1.3 Curriculum Enrichment (30)

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (15)

2014-15

Name of the value added courses (with 30 or more contact hours)offered during last five years	Course Code	Year of offering	No. of times offered during the same year	Year of discontinuation	Number of students enrolled in the year	Number of Students completing the course in the year	Date of Event	Resouce Person	Company Details	Target Audience with Department
CATIA MODELING	14JCT_Course 01	2014-2015	1	2015-2016	100	90	08.06.2015-15.06.2015	Mr.S.SANJAY	CADD CENTRE,COIMBATORE	II and III year, Automobile Engineering
BASIC SITE WORK & BUILDING MARKING	14JCT_Course 02	2014-2015	1	2015-2016	57	47	16.06.2014-20.06. 2014	Mr.V.Murugesh	JCT COLLEGE OF ENGG. & TECH	III CIVIL
LOW POWER VLSI WITH LIFTING ALGORITHM	14JCT_Course 03	2014-2015	1	2015-2016	30	30	09.03.2015-13.03.2015	Sathish	kenvivo Communication	II/III ECE
CNC PROGRAMMING	14JCT_Course 04	2014-2015	1	2015-2016	50	48	09.06.2014-23.06.2014	Mr.P.VELAN	Kovai CNC Centre,COIMBATORE	II Year, Automobile Engineering
COURSE ON LABVIEW	14JCT_Course 05	2014-2015	1	2015-2016	48	48	15-12-2014 to 24-12-2014	Mr.Santhosh naraya reddy	ProSim Pvt.Ltd, Certified Instructor, Bangaluru	III EEE,IV EEE
COURSE ON P-SPICE	14JCT_Course 06	2014-2015	1	2015-2016	38	38	02-02-2015 to 10-02-2015	Mr.Narayanakumar,Trainer	Horizon Technologies, Coimbatore	IV EEE
SOFTWARE TESTING	14JCT_Course 07	2014-2015	1	2015-2016	76	76	20.06.15 - 27.06.15	Mr.Venkatesh Saravanan,	365 Media Private Limited	III CSE,IV CSE
OIL AND GAS OFFSHORE SAFTEY ENGINEERING	14JCT_Course 08	2014-2015	1	2015-2016	49	49	22.12. 2014-25.12. 2014	Venkatesaprabhu	JCT COLLEGE OF ENGG. & TECH	IInd year,PE
CAREER DEVELOPMENT COURSE	14JCT_Course 09	2014-2015	1	2015-2016	248	248	10.08.14 to 13.08.14	DR M.S. BALA MURUGAN	JCTCET	FIRST YEAR STUDENTS
						674				

2015-16

Name of the value added courses (with 30 or more contact hours)offered during last five years	Course Code	Year of offering	No. of times offered during the same year	Year of discontinuation	Number of students enrolled in the year	Number of Students completing the course in the year	Date of Event	Resouce Person	Company Details	Target Audience with Department

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HANDS ON TRAINING ON COMMERICAL VEHICLES	15JCT_Course 01	2015-2016	1	2016-2017	100	89	13.06.2016-20.06.2016	Mr.P.VINEESH	SREE SARADHAMBAL AUTOMOBILES	III and IV year, Automobile Engineering
HANDS ON TRAINING ON LIGHT VEHICLES	15JCT_Course 02	2015-2016	1	2016-2017	100	92	07.12.2015-14.12.2015	Mr.A.ARUL	SREE SARADHAMBAL AUTOMOBILES	III and IV year, Automobile Engineering
ELECTRICAL WIRING FOR INDUSTRIAL BUILDING	15JCT_Course 03	2015-2016	1	2016-2017	56	52	18.06.2018 TO 25.06.2018	Mr.V.Murugesh	JCTCET	IV CIVIL
T-SPICE	15JCT_Course 04	2015-2016	1	2016-2017	30	20	14/03/16 TO 18/03/16	ANAND.S	MEGATTRONICS	II/III ECE
ATMEL	15JCT_Course 05	2015-2016	1	2016-2017	33	26	5/10/15 TO 9/10/15	ANAND.S	MEGATTRONICS	II/III ECE
ENERGY CONSERVATION AND AUDITING	15JCT_Course 06	2015-2016	1	2016-2017	35	35	01/08/2015 to 12/09/2015	Dr.Paramasivam, K.Balasubramani	JCTCET	IV-PCE
HANDS ON TRAINING ON " MOTOR WINDING DESIGN"	15JCT_Course 08	2015-2016	1	2016-2017	41	41	14-12-2015 to 24-12-2015	V.Angappa,Mega tech	Mega Tech Scientific Instruments, Coimbatore	II EEE ,III EEE
MOBILE APPLICATION DEVELOPMENT	15JCT_Course 10	2015-2016	1	2016-2017	78	78	08.12.15-15.12.15	Mrs.U.Selvi, Sri Technology, Coimbatore	Sri Technology	III CSE,IV CSE
CNC PART PROGRAMING AND MACHINING	15JCT_Course 13	2015-2016	1	2016-2017	126	120	27.01.2016 to 03.02.2016	L.Kathick,G.Vasanth	KOVAI CNC CENTRE	Third year /Mechanical engineering
OIL EXTRATIONS EQUIPMENTS	15JCT_Course 14	2015-2016	1	2016-2017	65	65	25.06.2015-28.06. 2015	NAVEEN. R	Meridian School Of Oil And Gas	IInd year,PE
ADVANCED MUNCIPAL WASTE MANAGEMENT	15JCT_Course 15	2015-2016	1	2016-2017	65	65	07.12. 2015-10.12. 2015	Venkatesaprabhu	JCT COLLEGE OF ENGG. & TECH	IIIrd Year, PE
SOFT SKILLS TRAINING AND DEVELOPMENT	15JCT_Course 16	2015-2016	1	2016-2017	228	228	17.08.15 TO 20.08.15	DR AMIRTHAVALLI ASHOKEN	JCTCET	FIRST YEAR STUDENTS
						911				

2016-17

Name of the value added courses (with 30 or more contact hours)offered during last five years	Course Code	Year of offering	No. of times offered	Year of discontinuation	Number of students enrolled in the	Number of Students completing	Date of Event	Resouce Person	Company Details	Target Audience with Department
CATIA MODELING	16JCT_Course 01	2016-2017	1	2017-2018	83	80	05.06.2017-12.06.2017	Mr.P.NANDHU KRISHNAN	ARRIS CADD TECHNOLOGY,COIMBATORE	III and IV year, Automobile Engineering
REVIT ARCHITECTURE	16JCT_Course 02	2016-2017	1	2017-2018	66	53	12/06/2017-19/06/2017	Dr.A.Thirumurugan	JCTCET	IV CIVIL
XILINX	16JCT_Course 03	2016-2017	1	2017-2018	30	30	21/1/17 TO11/3/17	KALIMUTHU.A	JCTCET	II/III ECE

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ENERGY CONSERVATION MANAGEMENT AND AUDITING	16JCT_Course 04	2016-2017	1	2017-2018	45	45	13/08/2016 to 03/09/2016	K.Balasubramani, N.Ramkumar	JCTCET	IV-PCE
DEVELOPMENTS IN EXTRUDED FOODS	16JCT_Course 05	2016-2017	1	2017-2018	48	44	20/12/2017 TO 29/12/2017	Mr. Nelson Hillary	Nestle Foods	IV FT
GREEN BIOTECHNOLOGY FOR FOOD SECURITY	16JCT_Course 06	2016-2017	1	2017-2018	52	44	12/06/2017-19/06/2017	Mr. J. Prakash	Senthil Pappain	IV FT
ADVANCED METROLOGY TRAINING	16JCT_Course 07	2016-2017	1	2017-2018	100	100	01.02.2017 to 08.02.2017	T.Thangamuthu J.Xevier paneer selvam	CUG METROLOGY AND QUALITY MANAGEMENT SERVICES	Third year /Mechanical engineering
SOFTWARE TRAINING	16JCT_Course 09	2016-2017	1	2017-2018	52	52	20/06/17 to 28/06/17	P.K.Amarnath	avatar accademy	III/IV ECE
ADVANCED MUNCIPAL WASTE MANAGEMENT	16JCT_Course 11	2016-2017	1	2017-2018	65	65	07.12. 2015-10.12. 2015	venkatesaprabhu	JCT COLLEGE OF ENGG. & TECH	IIIrd year, PE
COMMUNICATION DEVELOPMENT SKILLS	16JCT_Course 12	2016-2017	1	2017-2018	213	213	22.08.16 TO 25.08.16	MRS M GAYATHRI	JCTCET	FIRST YEAR STUDENTS
						638				

2017-18

Name of the value added courses (with 30 or more contact hours)offered during last five years	Course Code	Year of offering	No. of times offered during the same year	Year of discontinuation	Number of students enrolled in the year	Number of Students completing the course in the year	Date of Event	Resouce Person	Company Details	Target Audience with Department
HANDS ON TRAINING ON COMMERICAL VEHICLES	17JCT_Course 01	2017-2018	1	2018-19	69	60	25.06.2018-02.07.2018	Mr.R.VIJAY KUMAR	SREE SARADHAMBAL AUTOMOBILES	III and IV year, Automobile Engineering
HANDS ON TRAINING ON LIGHT VEHICLES	17JCT_Course 02	2017-2018	1	2018-19	69	58	04.12.2017-11.12.2017	Mr.S.KRISHNA KUMAR	SREE SARADHAMBAL AUTOMOBILES	III and IV year, Automobile Engineering
PLUMBING FOR RESIDENTIAL BUILDING	17JCT_Course 03	2017-2018	1	2018-19	45	37	11.12.2017 TO 18.12.2017	Mr.V.Murugesh	JCTCET	III CIVIL
ELECTRICAL WIRING FOR RESIDENTIAL BUILDING	17JCT_Course 04	2017-2018	1	2018-19	38	33	18.06.2018 TO 25.06.2018	Mr.V.Murugesh	JCTCET	IV CIVIL
IMAGE AND SIGNAL PROCESSING USING MAT LAB	17JCT_Course 05	2017-2018	1	2018-19	55	55	03.02.2018 to 03.03.2018	Thahseen Thahir	JCTCET	II/III ECE
INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING	17JCT_Course 06	2017-2018	1	2018-19	90	90	27/01/2018 to 24/02/2018	K.Balasubramani, M.Ramkumar	JCTCET	IV-PCE
ELECTRICAL RESISTIVITY SURVEY AND ITS APPLICATIONS IN OIL AND	17JCT_Course 07	2017-2018	1	2018-19	58	58	19.07.2017-22.07.2017	APTECH PETROCHEMICALS PRIVATE LIMITED,CHENNAI	SHARIF MUHAMMED	IIIrd year, PE

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PCB DESIGN	17JCT_Course 08	2017-2018	1	2018-19	46	46	05-06-2017 to 12-06-2017	Mr.K.Thalamuth,Certified Trainer	AdvancedEmbedded technology,Coimbatore	II EEE ,III EEE
COURSE ON "MATLAB FOR POWER ELECTRONICS "	17JCT_Course 09	2017-2018	1	2018-19	42	42	22-01-2017 to 30-01-2017	K.Sheeba ,Authorized Trainer	LiveWire,Chennai	III EEE,IV EEE
ADVANCED TECHNOLOGY IN HYDRAULICS	17JCT_Course 10	2017-2018	1	2018-19	107	107	17.01.2018 to 25.01.2018	T.Gnanavel raja,A.Omar abdula	SSTECHNOVATION	Third year /Mechanical engineering
OIL AND GAS OPERATIONS	17JCT_Course 11	2017-2018	1	2018-19	58	58	05.08. 2017-08.08. 2017	Meridian School Of Oil And Gas	NAVEEN. R	IVth Year, PE
HIGH PRESSURE PROCESSING AND PACKAGING	17JCT_Course 12	2017-2018	1	2018-19	32	32	06/06/2018-14/06/2018	Dr. Banumathi	TNAU	IV FT
IOT USING RASPBEERY PI	17JCT_Course 13	2017-2018	1	2018-19	52	52	27.12.2017-04.01.17	Shanmugasundram.S	VEEEXPLORE, Coimbatore	III CSE,IV CSE
ANDROID FOR MOBILE APPLICATION	17JCT_Course 14	2017-2018	1	2018-19	52	52	25.06.18-03.07.18	M.Jesuraraj	Hi-Tech Electronics, Trichy	III CSE,IV CSE
	17JCT_Course 15	2017-2018	1	2018-19	46	46	25.06.18-03.07.18	M.Jesuraraj	Hi-Tech Electronics, Trichy	III/IV ECE
IOT USING RASPBEERY PI	17JCT_Course 16	2017-2018	1	2018-19	46	46	27.12.2017-04.01.17	Shanmugasundram.S	VEEEXPLORE, Coimbatore	III/IV ECE
ROBOTICS AND AUTOMATION	17JCT_Course 17	2017-2018	1	2018-19	107	107	10.07.2017 to 17.07.2017	T.Ashiq Krishnan,M.Saravanan	AGIIT,COIMBATORE	Third year /Mechanical engineering
DRILLBIT DESIGN AND PERFORATION TECHNIQUES	17JCT_Course 18	2017-2018	1	2018-19	65	65	13.06. 2017-16.06. 2017	Meridian School Of Oil And Gas	NAVEEN. R	IVth Year, PE
PRO/ENGINEER	17JCT_Course 19	2017-2018	1	2018-19	64	60	10.06.2019-17.06.2019	Mr.K.THIRU	ARRIS CADD TECHNOLOGY,COIMBATORE	II and IV Year,Automobile Engineering
ANSYS	17JCT_Course 20	2017-2018	1	2018-19	76	68	17.12.2018-27.12.2018	Mr.R.ARAVIND	ARRIS CADD TECHNOLOGY,COIMBATORE	II and III Year,Automobile Engineering
OIL AND GAS OFFSHORE SAFTEY	17JCT_Course 21	2017-2018	1	2018-19	41	41	13.06.2017-16.06.2017	s balachandran	JCT COLLEGE OF ENGG. & TECH	IInd year,PE
YOGA	17JCT_Course 22	2017-2018	1	2018-19	214	214	14.08.17 TO 17.08.17	DR G. RAMESH	JCTCET	FIRST YEAR STUDENTS
						1427				
2018-19										

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Name of the value added courses (with 30 or more contact hours)offered during last five years	Course Code	Year of offering	No. of times offered during the same year	Year of discontinuation	Number of students enrolled in the year	Number of Students completing the course in the year	Date of Event	Resouce Person	Company Details	Target Audience with Department
HANDS ON TRAINING ON COMMERICAL VEHICLES	18JCT_Course 01	2018-2019	1	2019-20	76	70	17.06.2019-24.06.2019	Mr.R.NANDHU KRISHNAN	SREE SARADHAMBAL AUTOMOBILES	III and IV year, Automobile Engineering
HANDS ON TRAINING ON LIGHT VEHICLES	18JCT_Course 02	2018-2019	1	2019-20	76	65	03.12.2018-10.12.2018	Mr.T.ARJUN REDDY	SREE SARADHAMBAL AUTOMOBILES	III and IV year, Automobile Engineering
3DS MAX	18JCT_Course 03	2018-2019	1	2019-20	40	33	10.12.2018 TO 17.12.2018	Mr.V.Murugesh	JCTCET	III CIVIL
BASICS SITE WORK & BUILDING MARKING	18JCT_Course 04	2018-2019	1	2019-20	45	39	10.06.2019 TO 17.06.2019	Mr.V.Murugesh	JCTCET	IV CIVIL
EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER	18JCT_Course 06	2018-2019	1	2019-20	71	71	5/1/19 to 21/2/19	kannan.m	JCTCET	II/III ECE
COURSE ON INDUSTRIAL AUTOMATION	18JCT_Course 07	2018-2019	1	2019-20	42	42	2,9,16,23-2-19 AND 02-03-2019	Mr.AJITH SURENDRAN	IPCS AUTOMATION,COIMBATORE	III & IV EEE
INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING	18JCT_Course 08	2018-2019	1	2019-20	55	55	08/09/2018 to 29/09/2018	K.Balasubramani, M.Ramkumar, J.Praveen Kumar	JCTCET	IV-PCE
3D PRINTING OF FOODS	18JCT_Course 09	2018-2019	1	2019-20	40	32	11/06/2019 TO 19/06/2019	Dr. Senthil Ram	Dr. Grill , Coimbatore	IV FT
ADVANCED FOUNDARY TECHNOLOGY	18JCT_Course 10	2018-2019	1	2019-20	94	94	02.07.2018 to 09.07.2018	P.Kathikeyan D.Ramesh	CO INDIA,COIMBATORE	Third year /Mechanical engineering
ADVANCED CASTING TECHNOLOGY	18JCT_Course 11	2018-2019	1	2019-20	94	94	18-01-2019 to 25-01-2019	S.Gangantharan P.Govindaraj	CO INDIA,COIMBATORE	Third year /Mechanical engineering
COURSE ON "MATLAB FOR POWER SYSTEM "	18JCT_Course 12	2018-2019	1	2019-20	56	56	17-12-18 to 24-12-18	AARTI S	LiveWire,Chennai	IV EEE,III EEE
TRENDS AND DEVELOPMENTS IN PETROLEUM EXPLORATION AND T	18JCT_Course 13	2018-2019	1	2019-20	48	48	28.06.2018-01.07.2019	s venkatesababu	JCT COLLEGE OF ENGG. & TECH	IIIrd year, PE
OIL AND GAS OFFSHORE SAFTEY	18JCT_Course 14	2018-2019	1	2019-20	56	56	18.06. 2018-21.06. 2018	s balachandran	JCT COLLEGE OF ENGG. & TECH	IInd year,PE
COMPETITIVE EXAM GUIDANCE	18JCT_Course 15	2018-2019	1	2019-20	212	212	27.08.18 TO 30.08.18	MR R SRIKUMAR	JCTCET	FIRST YEAR STUDENTS
						967				

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1.3 Curriculum Enrichment (30)				
1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (15)				
2018-2019				
Sl.No	**Name of the value added courses (with 30 or more contact hours)offered during last five years**	**Introduced in Curriculum and year**	**Offered for students of Program**	**Signature of HoD**
1	HANDS ON TRAINING ON COMMERICAL VEHICLES	2018-19	Department of Automobile Engineering	
2	HANDS ON TRAINING ON LIGHT VEHICLES			
3	3DS MAX	2018-19	Department of Civil Engineering	
4	BASICS SITE WORK & BUILDING MARKING			
5	EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER	2018-19	Department of Electronics and Communication Engineering	
6	COURSE ON INDUSTRIAL AUTOMATION	2018-19	Department of Electrical and Electronics Engineering	
7	COURSE ON "MATLAB FOR POWER SYSTEM "			
8	INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING	2018-19	Department of Petrochemical Engineering	
9	3D PRINTING OF FOODS	2018-19	Department of Food Technology	
10	ADVANCED FOUNDARY TECHNOLOGY	2018-19	Department of Mechanical Engineering	
11	ADVANCED CASTING TECHNOLOGY			
12	TRENDS AND DEVELOPMENTS IN PETROLEUM EXPLORATION AND TECHNOLOGY	2018-19	Department of Petroleum Engineering	
13	OIL AND GAS OFFSHORE SAFTEY			
14	COMPETITIVE EXAM GUIDANCE	2018-19	Department of Science and Humanities	

Principal

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JCT College of Engineering & Technology
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JCT College of Engineering and Technology

Minutes of Meeting

Date : 4.6.2018
Time : 4.00 PM
Venue : Principal cabin
Type : Special meeting to take decision on the conduct of Value added courses for the academic year 2018-19

Members present

1. Principal 2. HOD – Automobile 3. HOD – CSE 4. HOD – Civil 5.HoD – ECE 6. HoD – PE 7. HOD- PCE 8. HoD- S&H 9.HoD – EEE 10. HoD -Mech

Discussion

Planning to conduct Value added courses for benefit of students of below mentioned branches to enhance knowledge in the relevant field. All HoD's are asked to submit the proposal for conducting value added courses in their respective branches.

Resolution:

Based on the submitted proposals, the management is pleased to approve the following Value Added courses can be conducted for this academic year 2018-19.

Department	Name of the Course
Automobile Engineering	Hands On Training On Commercial Vehicles
Automobile Engineering	Hands On Training On Light Vehicles
CIVIL	3DS Max
CIVIL	Basics Site Work & Building Marking
ECE	Embedded System Design Using ARDUINO Micro Controller
MECHANICAL	Advanced Foundry Technology
MECH	Advanced casting technology
EEE	Course On " MATLAB for Power System"
EEE	Course On Industrial Automation
S & H	Competitive exam Guidance
FT	3D Printing of FOODS
PCE	Introduction To Energy Management And Auditing
PE	Trends And Developments In Petroleum Exploration And Technology
PE	Oil And Gas Offshore Safety

Principal

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JCT College of Engineering and Technology

Pitchanur
04.06.2018

To Whomsoever it may concern

We have planned to organize the following Value added courses in this academic year 2018-19 for the benefits of students of various branches of our institution. **Herewith we are declaring that the below claimed Value added course is not in the main regular curriculum.**

Department	Name of the Course
Automobile Engineering	Hands On Training On Commercial Vehicles
Automobile Engineering	Hands On Training On Light Vehicles
CIVIL	3DS Max
CIVIL	Basics Site Work & Building Marking
ECE	Embedded System Design Using ARDUINO Micro Controller
MECHANICAL	Advanced Foundry Technology
MECH	Advanced casting technology
EEE	Course On " MATLAB for Power System"
EEE	Course On Industrial Automation
S & H	Competitive exam Guidance
FT	3D Printing of FOODS
PCE	Introduction To Energy Management And Auditing
PE	Trends And Developments In Petroleum Exploration And Technology
PE	Oil And Gas Offshore Safety

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Automobile Engineering

23.04.2019

Coimbatore

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"HANDS ON TRAINING ON COMMERCIAL VEHICLES"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"HANDS ON TRAINING ON COMMERCIAL VEHICLES"** for the III and IV Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	Sree Saradhambal automobile Pvt Ltd	Department of Automobile Engineering	17.06.2019 to 24.06.2019

Thanking you

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HoD/AUTO
HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

CIRCULAR

10.06.2019

It is here by informed that the department of Automobile is organizing value added course on "**HANDS ON TRAINING ON COMMERCIAL VEHICLES**" from 17-06-2019 to 24-06-2019.All the students are instructed to attend and get benefited.

To be read in:-

1) IV Year Auto
2) III year Auto

HoD/AUTO

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HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

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PICHANUR, COIMBATORE-641105

TÜV AUSTRIA

Department of Automobile Engineering

VALUE ADDED COURSE ON COMMERCIAL VEHILES

TIME TABLE

DATE	TIMING	TOPIC
17-06-2019 Wednesday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle tyres and wheels
18-06-2019 Thursday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle engine
19-06-2019 Friday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle clutches
20-06-2019 Saturday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle Transmission
22-06-2019 Monday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle steering system
23-06-2019 Tuesday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle Breaks
24-06-2019 Wednesday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle suspension system

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HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
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COIMBATORE 641 105

Department of Automobile Engineering

STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	
1	AJAYGHOSH.K.M	
2	AJITH.R	
3	ALAN T RAJU	
4	ANAND.M	
5	ANIS MOHAMMED A	
6	ANURAG BALAGOPAL	
7	ARAVINTHA SAMY.S	
8	ARIVAZHAGAN.K	
9	ARUNMANI.R	
10	BALA MANIKANDAN.R	
11	GOKUL.K	
12	GOKUL.M.S	
13	JIJO RAM.V.S	
14	MOHAMMED NAFIH ROSHAN	
15	MOHAMMED NOUFAL	
16	MUHAMMED YAZER.T.P	
17	NANDU KRISHNAN	
18	PRITHIVRAJ.S	
19	RAHUL.T.P	
20	SARATH KUMAR.K	
21	SHIHAB	
22	SUBASH.R	
23	THIRUNAVKKARASU.D	
24	VASANTH N	

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COIMBATORE 641 105

Department of Automobile Engineering

25	ASARUDHEEN.M	
26	BEBIN.C	
27	GOWTHAM.S	
28	KIRAN.T.M	
29	SHIYON ROY K	
30	VISHNU K J	

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
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COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	
1	AJITH.U	
2	ANJO ANTONY	
3	ARUN KRISHNA.V	
4	ASIF SHAMEEM	
5	ATHUL KRISHNA.EM	
6	CHRISTIN SAM	
7	DHANABAL.B	
8	DILEEP.B	
9	EBENEZER DOSS.D	
10	GOWTHAM.J	
11	IJAS AHMED	
12	JISTO JAMES	
13	KISHORE.T.S	
14	MARIKUMAR.M	
15	MOHAMMED JASEEM P.T	
16	MUHAMMED ASHIQUE	
17	PRAJOSH.V.B	
18	PRAVEEN KUMAR.R	
19	PREM KUMAR.S	
20	RAGHUL ANAND.R	
21	RAJAT.S.RAMESH	

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Department of Automobile Engineering

22	RANADEV.K.S	
23	SABARISH.V	
24	SAJITH.M.S	
25	SAKTHIVEL. B	
26	SARATH.S	
27	SAYYID JOWHAR.K.P	
28	SHAKKIR.C.S	
29	SIDHARTH.S.NAIR	
30	YESWANTH.R	
31	ANISH.I	
32	GOKUL.S	
33	INDRAJITH NANDHAN	
34	IYADURAI.S	
35	NIHAL ABDUL KAREEM	
36	ROBIN KC	

HEAD OF THE DEPARTMENT
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COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	7/6	7/6	13/6	13/6	14/6	14/6	20/6	20/6	21/6	21/6	22/6	22/6	24/6	24/6
1	AJITH.U	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	ANJO ANTONY	/	/	/	/	/	/	/	/	/	/	/	a	a	a
3	ARUN KRISHNA.V	/	/	a	a	/	/	/	/	/	/	/	/	/	/
4	ASIF SHAMEEM	/	/	a	a	/	/	/	/	/	/	/	/	/	/
5	ATHUL KRISHNA.EM	/	/	a	a	/	/	/	/	/	a	a	a	/	/
6	CHRISTIN SAM	/	/	a	a	/	/	/	/	/	a	a	a	/	/
7	DHANABAL.B	a	a	/	/	a	a	a	a	/	/	/	/	/	/
8	DILEEP.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	EBENEZER DOSS.D	/	/	/	/	a	a	/	/	/	/	a	/	/	/
10	GOWTHAM.J	/	/	/	/	a	a	/	/	/	/	/	/	/	/
11	IJAS AHMED	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	JISTO JAMES	/	/	/	/	a	a	/	/	/	/	/	/	/	/
13	KISHORE.T.S	a	a	a	a	/	/	/	/	/	/	/	/	/	/
14	MARIKUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	MOHAMMED JASEEM P.T	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	MUHAMMED ASHIQUE	a	a	a	/	/	/	/	/	/	/	/	/	/	/
17	PRAJOSH.V.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	PRAVEEN KUMAR.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	PREM KUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	RAGHUL ANAND.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	RAJAT.S.RAMESH	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	RANADEV.K.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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23	SABARISH.V	/	/	/	a	a	/	/	/	/	/	/	/	/	/
24	SAJITH.M.S	/	/	/	/	/	/	/	/	/	a	a	/	/	/
25	SAKTHIVEL. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	SARATH.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	SAYYID JOWHAR.K.P	/	/	a	a	a	a	a	/	/	a	a	/	/	/
28	SHAKKIR.C.S	/	/	a	a	/	/	/	/	/	/	/	/	/	/
29	SIDHARTH.S.NAIR	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	YESWANTH.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31	ANISH.I	/	/	/	/	/	a	a	a	/	/	/	/	/	/
32	GOKUL.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	INDRAJITH NANDHAN	/	/	/	/	/	/	/	/	/	/	/	a	a	a
34	IYADURAI.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	NIHAL ABDUL KAREEM	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	ROBIN KC	/	/	/	/	/	/	/	/	/	/	/	a	a	a

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Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	17/6	17/6	18/6	18/6	19/6	19/6	20/6	20/6	21/6	21/6	22/6	22/6	23/6	23/6	24/6	24/6
1	AJAYGHOSH.K.M	/	/	/	/	/	/	/	a	a	a	a	a	/	/	/	/
2	AJITH.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	ALAN T RAJU	/	/	/	/	/	/	/	/	/	/	/	/	a	a	/	/
4	ANAND.M	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	ANIS MOHAMMED A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	ANURAG BALAGOPAL	/	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/
7	ARAVINTHA SAMY.S	/	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/
8	ARIVAZHAGAN.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	ARUNMANI.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	BALA MANIKANDAN.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	GOKUL.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	GOKUL.M.S	/	/	/	/	/	/	/	a	a	a	/	/	/	/	/	/
13	JIJO RAM.V.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	MOHAMMED NAFIH ROSHAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	MOHAMMED NOUFAL	/	/	/	/	/	/	/	a	a	a	/	/	/	/	/	/
16	MUHAMMED YAZER.T.P	/	/	/	/	/	/	/	a	a	a	a	a	a	a	a	a
17	NANDU KRISHNAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	PRITHIVRAJ.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	RAHUL.T.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	SARATH KUMAR.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	SHIHAB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	SUBASH.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	THIRUNAVKKARASU.D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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Department of Automobile Engineering

24	VASANTH N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	ASARUDHEEN.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	BEBIN.C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	GOWTHAM.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	KIRAN.T.M	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
29	SHIYON ROY K	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
30	VISHNU K J	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/

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TRAINING SYLLABUS FOR COMMERICAL VEHICLES

1. Tyres & Wheels
2. Engines
3. Clutches
4. Transmission
5. Steering
6. Revision to Basic Concepts
7. Breaks
8. Suspension
9. Study Materials

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

Student Feedback

Name of the Student: Vasanth. N Sex (M/F): M

Department: Auto E-mail Vasanth1998@gmail.com

Address: No:7/3, Nagarcoil mobile .. 9539298806

Students are required to rate the courses

Name of the Trainer: Nandha Krishnan

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)				
2. Communication Skills (in terms of articulation and comprehensibility)				
3. Sincerity / Commitment of the teacher				
4. Interest generated by the teacher				
5. Ability to integrate course material with environment/other issues, to provide a broader perspective				
6. Ability to integrate content with other courses				
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)				
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course				
9. Provision of sufficient time for feedback				
10. Overall rating				

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Signature of HOD

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Department of Automobile Engineering
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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. EBENEZER DOSS.D has completed "Hands on training on commercial vehicles" from 17.06.2019 to 24.06.2019 .His performance during this training period was Very Good.

DATE: 24.06.2019

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Director

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE – 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. VISHNU K J has completed "Hands on training on commercial vehicles" from 17.06.2019 to 24.06.2019 .His performance during this training period was Very Good.

DATE: 24.06.2019

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Director

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. YESWANTH.R *has completed "Hands on training on commercial vehicles" from* 17.06.2019 *to* 24.06.2019 *.His performance during this training period was Very Good.*

DATE: 24.06.2019

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Director

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. SUBASH.R has completed "Hands on training on commercial vehicles" from 17.06.2019 to 24.06.2019 .His performance during this training period was Very Good.

DATE: 24.06.2019

PRINCIPAL
Engineering & Technology
Coimbatore-641105

Director

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. JISTO JAMES has completed "Hands on training on commercial vehicles" from 17.06.2019 to 24.06.2019 .His performance during this training period was Very Good.

DATE: 24.06.2019

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. EBENEZER DOSS.D *has completed "Hands on training on commercial vehicles" from* 17.06.2019 *to* 24.06.2019 *.His performance during this training period was Very Good.*

DATE: 24.06.2019

PRINCIPAL
JCT College of Engineering & Technology
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Director

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Automobile Engineering

TÜV AUSTRIA

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"HANDS ON TRAINING ON LIGHT VEHICLES"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"HANDS ON TRAINING ON LIGHT VEHICLES"** for the III and IV Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	Sree Saradhambal automobile Pvt Ltd	Department of Automobile Engineering	03.12.2018 to 10.12.2018

Thanking you

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
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TÜV AUSTRIA

Department of Automobile Engineering

VALUE ADDED COURSE ON LIGHT VEHILES

TIME TABLE

DATE	TIMING	TOPIC
03-12-2018 Monday	10.00 am to 5 pm	Introduction of Light vehicle
04-12-2018 Tuesday	10.00 am to 5 pm	Pre requisite components of Light vehicle
05-12-2018 Wednesday	10.00 am to 5 pm	Dismantling and assembly of light vehicle steering system
06-12-2018 Thursday	10.00 am to 5 pm	Light Vehicle dynamics, Light Vehicle integration
07-12-2018 Friday	10.00 am to 5 pm	Light Vehicle motors and controllers
08-12-2018 Saturday	10.00 am to 5 pm	Light Vehicle batteries and tyres
10-12-2018 Monday	10.00 am to 5 pm	Vehicle propulsion systems

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT	REMARKS
1	AJITH.U	
2	ANJO ANTONY	
3	ARUN KRISHNA.V	
4	ASIF SHAMEEM	
5	ATHUL KRISHNA.EM	
6	CHRISTIN SAM	
7	DHANABAL.B	
8	DILEEP.B	
9	EBENEZER DOSS.D	
10	GOWTHAM.J	
11	IJAS AHMED	
12	JISTO JAMES	
13	KISHORE.T.S	
14	MARIKUMAR.M	
15	MOHAMMED JASEEM P.T	
16	MUHAMMED ASHIQUE	
17	PRAJOSH.V.B	
18	PRAVEEN KUMAR.R	
19	PREM KUMAR.S	
20	RAGHUL ANAND.R	
21	RAJAT.S.RAMESH	
22	RANADEV.K.S	
23	SABARISH.V	
24	SAJITH.M.S	

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25	SAKTHIVEL. B	
26	SARATH.S	
27	SAYYID JOWHAR.K.P	
28	SHAKKIR.C.S	
29	SIDHARTH.S.NAIR	
30	YESWANTH.R	
31	ANISH.I	
32	GOKUL.S	
33	INDRAJITH NANDHAN	
34	IYADURAI.S	
35	NIHAL ABDUL KAREEM	
36	ROBIN KC	

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COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT	
1	AJAYGHOSH.K.M	
2	AJITH.R	
3	ALAN T RAJU	
4	ANAND.M	
5	ANIS MOHAMMED A	
6	ANURAG BALAGOPAL	
7	ARAVINTHA SAMY.S	
8	ARIVAZHAGAN.K	
9	ARUNMANI.R	
10	BALA MANIKANDAN.R	
11	GOKUL.K	
12	GOKUL.M.S	
13	JIJO RAM.V.S	
14	MOHAMMED NAFIH ROSHAN	
15	MOHAMMED NOUFAL	
16	MUHAMMED YAZER.T.P	
17	NANDU KRISHNAN	
18	PRITHIVRAJ.S	
19	RAHUL.T.P	
20	SARATH KUMAR.K	
21	SHIHAB	
22	SUBASH.R	
23	THIRUNAVKKARASU.D	
24	VASANTH N	

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25	ASARUDHEEN.M	
26	BEBIN.C	
27	GOWTHAM.S	
28	KIRAN.T.M	
29	SHIYON ROY K	
30	VISHNU K J	

HEAD OF THE DEPARTMENT

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Department of Automobile Engineering

CIRCULAR

01.12.2018

It is here by informed that the department of Automobile is organizing value added course on "**HANDS ON TRAINING ON LIGHT VEHICLES**" from 03-12-2018 to 10-12-2018.All the students are instructed to attend and get benefited.

To be read in:-

1) IV Year Auto
2) III year Auto

HoD/AUTO

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HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
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Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

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Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT	3/12/18	3/12/18	4/12/18	4/12/18	5/12/18	5/12/18	6/12/18	6/12/18	7/12/18	7/12/18	8/12/18	8/12/18	10/12/18	10/12/18
1	AJITH.U	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	ANJO ANTONY	/	/	a	/	/	/	/	/	a	a	a	/	/	/
3	ARUN KRISHNA.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	ASIF SHAMEEM	/	a	a	a	a	/	/	/	/	/	/	/	/	/
5	ATHUL KRISHNA.EM	/	/	/	/	/	/	/	/	/	/	/	a	a	/
6	CHRISTIN SAM	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	DHANABAL.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	DILEEP.B	/	/	/	a	/	/	/	/	/	/	/	/	/	/
9	EBENEZER DOSS.D	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	GOWTHAM.J	/	/	a	/	/	/	/	/	/	/	a	/	/	/
11	IJAS AHMED	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	JISTO JAMES	a	a	/	/	/	/	/	/	/	/	/	/	a	a
13	KISHORE.T.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	MARIKUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	
15	MOHAMMED JASEEM P.T	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	MUHAMMED ASHIQUE	a	/	/	/	/	/	/	/	/	/	/	/	/	/
17	PRAJOSH.V.B	a	/	/	/	/	/	/	/	/	/	/	/	/	a
18	PRAVEEN KUMAR.R	/	/	/	/	/	a	a	a	a	/	/	/	/	/
19	PREM KUMAR.S	/	/	/	/	/	/	/	/	/	a	/	/	a	a
20	RAGHUL ANAND.R	/	/	/	/	/	/	a	/	/	/	a	/	/	/
21	RAJAT.S.RAMESH	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	RANADEV.K.S	/	a	/	/	/	/	/	/	/	/	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

23	SABARISH.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	SAJITH.M.S	a	a	/	/	/	/	a	/	/	/	/	/	/	/
25	SAKTHIVEL. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	SARATH.S	/	/	/	a	a	a	/	/	/	/	/	/	/	/
27	SAYYID JOWHAR.K.P	/	/	/	/	/	/	/	/	/	a	/	a	/	a
28	SHAKKIR.C.S	/	/	/	/	/	/	/	/	/	/	a	a	a	/
29	SIDHARTH.S.NAIR	/	/	/	/	/	/	/	a	/	/	/	/	a	a
30	YESWANTH.R	/	a	/	/	a	/	a	/	/	/	/	/	/	/
31	ANISH.I	a	/	/	/	/	/	/	/	/	/	a	/	/	a
32	GOKUL.S	/	/	a	/	/	/	/	a	a	a	a	/	/	/
33	INDRAJITH NANDHAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	IYADURAI.S	/	a	/	a	a	/	/	a	/	/	/	/	/	/
35	NIHAL ABDUL KAREEM	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	ROBIN KC	a	/	/	a	/	/	/	/	/	a	/	/	/	a

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT	3/12/18	3/12/18	4/12/18	4/12/18	5/12/18	5/12/18	6/12/18	6/12/18	7/12/18	7/12/18	8/12/18	8/12/18	10/12/18	10/12/18
1	AJAYGHOSH.K.M	1	1	1	1	1	1	1	1	1	1	1	1	1	a
2	AJITH.R	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	ALAN T RAJU	1	1	a	1	1	a	1	1	1	1	1	1	1	1
4	ANAND.M	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	ANIS MOHAMMED A	1	1	1	1	1	1	1	1	1	1	1	a	1	1
6	ANURAG BALAGOPAL	1	1	a	a	a	1	1	1	1	1	1	1	1	1
7	ARAVINTHA SAMY.S	1	1	1	1	1	a	a	1	1	1	1	a	a	1
8	ARIVAZHAGAN.K	1	1	1	1	1	1	1	1	a	a	a	1	1	1
9	ARUNMANI.R	1	1	1	1	1	1	1	1	1	1	a	a	1	1
10	BALA MANIKANDAN.R	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	GOKUL.K	1	1	1	1	a	a	a	1	1	1	1	1	1	1
12	GOKUL.M.S	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	JIJO RAM.V.S	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	MOHAMMED NAFIH ROSHAN	a	1	1	1	1	1	1	1	1	1	1	1	1	1
15	MOHAMMED NOUFAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	MUHAMMED YAZER.T.P	a	a	1	1	a	1	1	1	1	1	a	1	1	a
17	NANDU KRISHNAN	1	1	1	a	1	1	1	a	a	1	1	a	1	1
18	PRITHIVRAJ.S	1	1	1	1	1	1	1	1	a	1	1	1	1	1
19	RAHUL.T.P	1	1	a	1	1	1	1	1	1	1	1	1	1	1
20	SARATH KUMAR.K	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	SHIHAB	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	SUBASH.R	1	1	1	1	1	1	A	a	1	1	1	1	1	1

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COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

23	THIRUNAVKKARASU.D	/	/	/	/	a	/	/	/	/	a	a	/	/	/
24	VASANTH N	/	a	/	/	a	a	/	/	/	/	/	/	/	/	/
25	ASARUDHEEN.M	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
26	BEBIN.C	a	a	/	/	/	/	/	/	/	/	/	/	/	/	a
27	GOWTHAM.S	a	a	/	/	/	/	/	/	/	/	/	/	a	a
28	KIRAN.T.M	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/
29	SHIYON ROY K	a	/	/	/		/	/	/	a	/	/	/	/	/	a
30	VISHNU K J	/	/	/	/	/	/	/	/	/	/	/	/	a	/	a

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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TRAINING SYLLABUS FOR LIGHT VEHICLES

1. History of light Vehicle
2. Pre-requisite
3. Steering
4. Vehicle Dynamics
5. Vehicle integration,
6. Motors used in vehicles
7. Controllers
8. Batteries and tyres
9. Vehicle Propulsion Systems

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COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

Student Feedback

Name of the Student: ANAND.M Sex (M/F): M

Department: Automobile E-mail anandhub@gmail.com

Address: anandhouse, Astreet, Aravindsamy (RO) mobile 88 87 86 88 84

Students are required to rate the courses

Name of the Trainer: Arjun Reddy

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback	✓			
10. Overall rating	✓			

PRINCIPAL
JCT College of Engineering & Technology
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Signature of HOD

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. GOKUL.M.S has completed "Hands on training on light vehicles" from **03.12.2018** to **10.12.2018** .His performance during this training period was Very Good.

DATE: 10.12.2018

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE – 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. PRITHIVRAJ.S *has completed "Hands on training on light vehicles" from* 03.12.2018 *to* 10.12.2018 *.His performance during this training period was Very Good.*

DATE: 10.12.2018

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD.

SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. KIRAN.T.M has completed "Hands on training on light vehicles" from 03.12.2018 to 10.12.2018 .His performance during this training period was Very Good.

DATE: 10.12.2018

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Director

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SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. SABARISH.V has completed "Hands on training on light vehicles" from 03.12.2018 to 10.12.2018 .His performance during this training period was Very Good.

DATE: 10.12.2018

PRINCIPAL
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SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. ASIF SHAMEEM has completed "Hands on training on light vehicles" from 03.12.2018 to 10.12.2018 .His performance during this training period was Very Good.

DATE: 10.12.2018

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. GOKUL.M.S *has completed "Hands on training on light vehicles" from* 03.12.2018 *to* 10.12.2018 *.His performance during this training period was Very Good.*

DATE: 10.12.2018

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Director

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

19/11/2018

From

Head of the Department,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting course on "3DS MAX" - Reg.

In our Civil Engineering department, we are planned to conduct the course on "3DS MAX" software for our third year fifth semester civil engineering students during the semester holidays between 10/12/2018 to 17/12/2018. Hence I request you to kindly provide the permission for conducting the above course successfully.

Thanking you,

Yours truly,

(Kumar.A)

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

3Ds MAX

COURSE SYLLABUS

DAY -1 Introduction, Importance of 3Ds Max for Civil/Architecture Students, Creating Standard, Extended, Primitive objects- Creating Doors, Windows and Stairs, Circle, Line and Ellipse etc.- Convert all solid objects into Editable mesh - Convert all shapes in Editable Spline.

DAY -2 Importing AutoCAD File in 3Ds Max, Applying Camera, Lights and Materials in 3D Model view, Rendering Model View using Default Scan line Renderer, Rendering Building View using Mental Ray Renderer.

DAY -3 Lens and Effects in Lights, Creating Road Night views using Spot light and Lens effects, With path and without path Animation of an object in Particular frames, Road Animation creating with Dummy and Camera.

DAY -4 Creating Fire Effects, Inner wall, Inner door with Frames in AutoCAD to Exterior Building Model, Importing Exterior and Interior building model in 3Ds Max, Setting the furniture in rooms according to its requirement.

DAY -5 Walk Through of Building in Exterior and Interior, Creating AVI Movie.

DAY-6 Project work.

Coordinator

HOD/CIVIL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

TIME TABLE

COURSE : 3DSMAX
BATCH : 2016
DURATION : 10/12/2018 TO 17/12/2018

CLASS : Third Year / Vth Semester
Total Hours : 42 Hrs

Sl.No.	DATE	FORENOON				AFTERNOON		
1	10/12/2018	9.00am-10.45am	10.45am – 11.00am	11.00am – 12.45.pm	12.45pm – 1.30pm	1.30pm – 3.15pm	3.15pm – 3.30pm	3.30pm – 5.15pm
2	11/12/2018	Theory sesson - 1	Break	Practical sesson-1	Lunch Break	Theory sesson - 2	Break	Practical sesson-2
3	12/12/2018	Theory sesson - 3		Practical sesson-3		Theory sesson - 4		Practical sesson-4
4	13/12/2018	Theory sesson - 5		Practical sesson-5		Theory sesson - 6		Practical sesson-6
5	14/12/2018	Theory sesson - 7		Practical sesson-7		Theory sesson - 8		Practical sesson-8
6	17/12/2018	Practical Project work		Practical Project work		Course Test		Course Test

Co-ordinator

HOD/Civil

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

REGISTERED STUDENTS
NAME LIST

COURSE : 3DSMAX
CLASS : Third Year / Vth Semester
BATCH : 2016
DURATION OF THE COURSE : 10/12/2018 – 17/12/2018

S.NO	REG.NO	STUDENTS NAME
1	720916103002	ANZAL.A
2	720916103003	ARAVIND.P.V
3	720916103004	ARAVIND.S.KUMAR
4	720916103006	ASWATHI.R
5	720916103008	ATHIRA .B
6	720916103009	BHARATH.P
7	720916103011	DEVIKA.M
8	720916103012	JINU.J
9	720916103013	KARTHICK.B
10	720916103014	MOHAMMED ADIL BIN BASHEER
11	720916103015	MOHAMMED RISHAL.K.P
12	720916103016	MOHAMMED RISHAN.M.T
13	720916103017	MUHAMMAD SAFAD T
14	720916103018	MUHAMMED NISHAL.M.K
15	720916103019	MUHAMMED SAINUL
16	720916103021	NAMITA BOBAN
17	720916103022	NEETHU.K.K
18	720916103023	NIROSHA.S
19	720916103024	SADIK.I
20	720916103025	SAJITH.K
21	720916103026	SHABIN NAZAR.N
22	720916103029	VARSHINI.S
23	720916103030	ASHMY P I
24	720916103031	NEGHA
25	720916103301	ARUN.T.R

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26	720916103302	BALAGURUSAMY
27	720916103303	INSHAD
28	720916103304	JAYA KUMAR
29	720916103305	KRISHNA LAL
30	720916103306	NEETHU.S
31	720916103307	SUBAREESH
32	720916103308	TAMIL SELVAN
33	720916103309	UDHAYAKUMAR

COORDINATOR

HOD/CIVIL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

STUDENTS ATTENDANCE

Course : 3DSMAX
Class : THIRD YEAR / Vth SEMESTER

S.NO	REG.NO	STUDENTS NAME	DATE											
			12-10-2018		12-11-2018		12-12-2018		13/12/2018		14/12/2018		17/12/2018	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720916103002	ANZAL.A												
2	720916103003	ARAVIND.P.V												
3	720916103004	ARAVIND.S.KUMAR												
4	720916103006	ASWATHI.R												
5	720916103008	ATHIRA .B												
6	720916103009	BHARATH.P												
7	720916103011	DEVIKA.M												
8	720916103012	JINU.J												
9	720916103013	KARTHICK.B												
10	720916103014	MOHAMMED ADIL BIN BASHEER												
11	720916103015	MOHAMMED RISHAL.K.P												
12	720916103016	MOHAMMED RISHAN.M.T												
13	720916103017	MUHAMMAD SAFAD T												
14	720916103018	MUHAMMED NISHAL.M.K												
15	720916103019	MUHAMMED SAINUL												
16	720916103021	NAMITA BOBAN												
17	720916103022	NEETHU.K.K												
18	720916103023	NIROSHA.S												
19	720916103024	SADIK.I												
20	720916103025	SAJITH.K												
21	720916103026	SHABIN NAZAR.N												
22	720916103029	VARSHINI.S												
23	720916103030	ASHMY P I												
24	720916103031	NEGHA												
25	720916103301	ARUN.T.R												
26	720916103302	BALAGURUSAMY												
27	720916103303	INSHAD												
28	720916103304	JAYA KUMAR												
29	720916103305	KRISHNA LAL												
30	720916103306	NEETHU.S												
31	720916103307	SUBAREESH												
32	720916103308	TAMIL SELVAN												
33	720916103309	UDHAYAKUMAR												

For

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms ARAVIND.P.V has successfully completed the training course on 3DSMAX during 10/12/2018 to 17/12/2018 conducted by the department of Civil Engineering in the academic year 2018-19.

COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

PRINCIPAL

JCTCCOLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR COIMBATORE- 641105

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms KARTHICK.B has successfully completed the training course on 3DSMAX during 10/12/2018 to 17/12/2018 conducted by the department of Civil Engineering in the academic year 2018-19.

COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

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PICHANUR COIMBATORE- 641105

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms MOHAMMED RISHAN.M.T has successfully completed the training course on 3DSMAX during 10/12/2018 to 17/12/2018 conducted by the department of Civil Engineering in the academic year 2018-19.

COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

JCT College of Eng & Technology
PICHANUR, Co - 641 105.

PRINCIPAL

JCTCOLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR COIMBATORE- 641105

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms NEETHU.K.K has successfully completed the training course on 3DSMAX during 10/12/2018 to 17/12/2018 conducted by the department of Civil Engineering in the academic year 2018-19.

COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

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PICHANUR COIMBATORE- 641105

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms NEETHU.S has successfully completed the training course on 3DSMAX during 10/12/2018 to 17/12/2018 conducted by the department of Civil Engineering in the academic year 2018-19.

COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR. Coimbatore - 641 105.

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PICHANUR COIMBATORE- 641105

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FEEDBACK FORM

This *Training Evaluation Feedback Form* is available in a PDF version for printing and filling out by hand; or as a Word document that can be filled out on the computer:

1. **How did you attend this training?** *(check all that apply)*
   - [x] As an instructor/facilitator
   - [ ] As a trainee in a group setting
   - [ ] As a Web-based training in a group setting
   - [ ] As a self-paced Web-based training
   - [ ] Other *(describe)*:

2. **Was this training?**
   - [ ] Required
   - [x] Optional

3. **Based on the training course description, how did your learning experience compare to what you expected when you began the training.** *(check only one)*
   - [ ] Learned much more than I expected.
   - [x] Learned somewhat more than I expected.
   - [ ] Learned as much as I expected.
   - [ ] Learned somewhat less than I expected.
   - [ ] Learned much less than I expected.
   - [ ] Learned nothing new.

4. **Please rate how well this training program met your expectations in the following areas:**

	One of the Worst	Below Average	Average	Above Average	One of The Best
Course content			✓		
Course materials			✓		
Presentation style			✓		
Joint exercise content			✓		
Open discussions			✓		
Availability of support materials			✓		
Other: *(describe)*:			✓		

5. **Would you recommend this training to your colleagues?** *(check only one)*
   - [ ] Definitely
   - [x] Probably
   - [ ] Not certain
   - [ ] Probably not
   - [ ] Definitely not

6. **Comments:**

(Name & Signature)

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE – 641 105

22/04/2019

From

Head of the Department,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting course on 'BASIC SITE WORK AND BUILDING MARKING" - Reg.

The Department of Civil Engineering is planned to conduct the training course on "BASIC SITE WORK AND BUILDING MARKING" for our final year civil engineering students. The course period is 10/06/2019 to 17/06/2019. Hence I request you to kindly provide the permission for conducting the above course successfully.

Thanking you,

Yours truly,

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BASIC SITE WORK AND BUILDING MARKING

COURSE SYLLABUS

DURATION :30 HOURS (6 DAYS)

INTRODUCTION

Introduction about building construction, importance and necessity of site management and marking, Technical terms of various components of buildings, types of buildings, types of structures, units and measurements, construction tools & equipments and site preparation.

MATERIALS

Construction materials- sand and its types, natural stones, artificial stones, cement and its types, concrete and its types, special types of materials, quality control.

BUILDING MARKING

Units and its conversion, components of various types of buildings, building alignment techniques and its importance, study and execution of building drawings.

LOAD BEARING STRUCTURE

Basic principle, center line marking of load bearing structure- demonstration at site, marking of residential and commercial buildings.

FRAMED STRUCTURE

Basic principle, center line marking of framed structures(column marking)- demonstration at site, marking of multistory buildings and industrial buildings.

PRACTICAL SESSION

Site visit, on marking and alignment of buildings.

COURSE CO-ORDINATOR

HOD/CIVIL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

TIME TABLE

BASIC SITE WORK AND BUILDING MARKING (36 Hours)

Sl.No.	DATE	FORENOON				AFTERNOON		
1	10/06/2019	9.30am-10.45am	10.45am – 11.00am	11.00am – 12.30.pm	12.30pm – 1.30pm	1.30pm – 3.15pm	3.15pm – 3.30pm	3.30pm – 5.00pm
2	11/06/2019	Theory sesson	Break	Theory sesson	Lunch Break	Practical sesson	Break	Practical sesson
3	12/06/2019	Theory sesson		Theory sesson		Practical sesson		Practical sesson
4	13/06/2019	Theory sesson		Theory sesson		Practical sesson		Practical sesson
5	14/06/2019	Theory sesson		Theory sesson		Practical sesson		Practical sesson
6	17/06/2019	Theory sesson		Practical sesson		Practical TEST		Practical TEST

Principal Co-ordinator HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

REGISTERED STUDENTS NAME LIST

COURSE : BASIC SITE WORK AND BUILDING MARKING
CLASS : Final Year / VIIth Semester
BATCH : 2015
DURATION OF THE COURSE : 10/06/2019 – 17/06/2019

1	720915103001	ABDUL RAHIMAN. P.H
2	720915103002	ADHUL PRAKASH
3	720915103005	AKSHAY. P.S
4	720915103006	AKSHAY DEV. A
5	720915103007	ALI MISHAB. E.C
6	720915103009	ANIL KUMAR. A
7	720915103010	ANIRUDH. A
8	720915103011	ANJANA PRATHEEP
9	720915103012	BASIL BIJU
10	720915103013	BINCY. U.I
11	720915103014	BINOJ VARGHESE
12	720915103015	DANISH. PK
13	720915103016	ELAYAVENDAN. V
14	720915103017	FATHIMATH NESRIN
15	720915103018	GOKUL. K
16	720915103019	HARI G.S
17	720915103020	HARASH. S
18	720915103021	HIBA BASHEER
19	720915103022	INBARASAN. M
20	720915103023	INFANT RICHARD. J
21	720915103024	JOSE ANISH. A
22	720915103025	MASHHOR MOHAMED. C.C
23	720915103027	MUHAMMED SHAMEER. I
24	720915103028	MUHAMMED.P.P
25	720915103029	MUHAMMED SAHIL. P.C
26	720915103030	MUTHURAJA. V
27	720915103031	PAULSON FERNANDEZ.M
28	720915103032	PUGAZHENTHI. R
29	720915103033	RAM KUMAR. A
30	720915103034	RASHID. S

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31	720915103035	RENJITH. H
32	720915103036	SAFEEK. A
33	720915103037	SARANG
34	720915103039	TIJO. P.TOM MATHEW
35	720915103305	MIBIN SABARINATH
36	720915103306	POOVARASAN.M
37	720915103307	SHRUTHI
38	720915103308	SURYA.R
39	720915103309	VIVEK.P.V

Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

STUDENTS ATTENDANCE SHEET

Course : Basic Site Work And Building Marking

Class : Final Year / VII th Semester

S.NO	REG.NO	STUDENTS NAME	DATE											
			06-10-2019		06-11-2019		06-12-2019		13/06/2019		14/06/2019		17/06/2019	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720915103001	ABDUL RAHIMAN. P.H												
2	720915103002	ADHUL PRAKASH												
3	720915103005	AKSHAY. P.S												
4	720915103006	AKSHAY DEV. A												
5	720915103007	ALI MISHAB. E.C												
6	720915103009	ANIL KUMAR. A												
7	720915103010	ANIRUDH. A												
8	720915103011	ANJANA PRATHEEP												
9	720915103012	BASIL BIJU												
10	720915103013	BINCY. U.I												
11	720915103014	BINOJ VARGHESE												
12	720915103015	DANISH. PK												
13	720915103016	ELAYAVENDAN. V												
14	720915103017	FATHIMATH NESRIN												
15	720915103018	GOKUL. K												
16	720915103019	HARI G.S												
17	720915103020	HARASH. S												
18	720915103021	HIBA BASHEER												
19	720915103022	INBARASAN. M												
20	720915103023	INFANT RICHARD. J												
21	720915103024	JOSE ANISH. A												
22	720915103025	MASHHOR MOHAMED. C.C												
23	720915103027	MUHAMMED SHAMEER. I												
24	720915103028	MUHAMMED.P.P												
25	720915103029	MUHAMMED SAHIL. P.C												
26	720915103030	MUTHURAJA. V												
27	720915103031	PAULSON FERNANDEZ.M												
28	720915103032	PUGAZHENTHI. R												
29	720915103033	RAM KUMAR. A												
30	720915103034	RASHID. S												
31	720915103035	RENJITH. H												
32	720915103036	SAFEEK. A												
33	720915103037	SARANG												
34	720915103039	TIJO. P.TOM MATHEW												
35	720915103305	MIBIN SABARINATH												
36	720915103306	POOVARASAN.M												
37	720915103307	SHRUTHI												
38	720915103308	SURYA R												
39	720915103309	VIVEK.P.V												

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms SHRUTHI has successfully completed the training course on BASIC SITE WORK AND BUILDING MARKING during 10/06/2019 – 17/06/2019 conducted by the department of Civil Engineering in the academic year 2018-19.

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PICHANUR, Coimbatore - 641 105.

COORDINATOR

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms SURYA.R has successfully completed the training course on BASIC SITE WORK AND BUILDING MARKING during 10/06/2019 - 17/06/2019 conducted by the department of Civil Engineering in the academic year 2018-19.

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms VIVEK.P.V has successfully completed the training course on BASIC SITE WORK AND BUILDING MARKING during 10/06/2019 – 17/06/2019 conducted by the department of Civil Engineering in the academic year 2018-19.

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms ABDUL RAHIMAN. P.H has successfully completed the training course on BASIC SITE WORK AND BUILDING MARKING during 10/06/2019 – 17/06/2019 conducted by the department of Civil Engineering in the academic year 2018-19.

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DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms ADHUL PRAKASH has successfully completed the training course on BASIC SITE WORK AND BUILDING MARKING during 10/06/2019 – 17/06/2019 conducted by the department of Civil Engineering in the academic year 2018-19.

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Training Evaluation Form

Title of event:

Date of event:

Location of event:

Instructions: Please tick your level of agreement with the statements listed below	Strongly Agree	Agree	Disagree	Strongly Disagree	Not relevant to this event
1.The objectives of the training were met	✓				
2.The presenters were engaging		✓			
3.The presentation materials were relevant		✓			
4.The content of the course was organised and easy to follow	✓				
5.The trainers were well prepared and able to answer any questions		✓			
6.The course length was appropriate	✓				
7. The pace of the course was appropriate to the content and attendees		✓			
8.The exercises/role play were helpful and relevant	✓				
9.The venue was appropriate for the event	✓				

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10. What was most useful?

11. What was least useful?

12. What else would you like to see included in this event?Are there any other topics that you wouldlike to be offered training courses in?

13. Would you recommend this course to colleagues? Yes/No Why?

Yes. its useful

14. Any other comments?

No

THANK YOU FOR COMPLETING THIS EVALUATION FORM. FEEDBACK RECEIVED WILL BE USED TO PROVIDE IMPROVEMENTS TO FUTURE EVENTS.

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From

Dr.V.J.Arulkarthik,
Prof & Head,
Department of Electronics and communication engineering,
JCT College of Engineering and Technology,
Coimbatore-641105To ,

To

The principal ,
JCT college of Engineering and Technology,
Pichanur , Coimbatore .

Respected sir,
Subject: Regard the permission for conducting an value added course

We would like to bring your kind notice that we the department of ECE is in need of value added course on the topic **"EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER"** . for this course we are requesting your humble permission to conduct by our internal faculty **Mr.M.Kannan**. during 5th January 2019 to 23rd February (5 Saturdays).

Yours sincerely,

Date: 02/1/2019

Place: Pichanur

Dr.V.J.Arul karthick

HOD/ECE

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Electronics and Communication Engineering

CIRCULAR

02.01.2019

We are planning to conduct a five days value added course on "**EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER**" from 5^{9h} January 2019 to 23rd february 2019 (5 Saturdays) in our department. So we kindly request all the students to participate in this course and update your technical knowledge.

22/1/19

HOD-ECE

Circulation to:

21/1/19.

- To be displayed on Notice Board.
- II/III ECE class rooms

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JCT
College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE
DEPARTMENT ELECTRONICS AND COMMUNICATION ENGINEERING
EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER

TÜV AUSTRIA

Academic Year: 2018- 2019

TIME TABLE

PERIOD/TIME	9.10-10.00	10.00-10.45		11.00-11.45	11.45-12.30		01.20-02.05	02.05-02.50	02.50-03.35
DATE	I	II		III	IV		V	VI	VII
5/1/2019	Embedded System design : Basics			Embedded System design : Basics			lab session		
12/1/2019	Learning Arduino Platform			Learning Arduino Platform			lab session		
9/2/2019	sensors and actuators using Arduino		BREAK	sensors and actuators using Arduino		LUNCH	lab session		
16/2/2019	Controlling embedded system based devices using Arduino			Controlling embedded system based devices using Arduino			lab session		
23/2/2019	Project Based on embedded system design using Arduino board.			project			project		

coordinator

HOD

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore - 641105

TÜV AUSTRIA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

SIBINLAL-T

has successfully completed the Value added Course

During 05.01.19 to 23.02.19 on topic "EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER" at

JCT College of Engineering and Technology, Pichanur, Coimbatore,

PRINCIPAL
JCT College of Engineering and Technology
Pichanur, Coimbatore-641105

CO-ORDINATOR

V.J. Dhiny
HOD/ECE

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore - 641105

TÜV AUSTRIA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

TEMAZEER. A

has successfully completed the Value added Course

During 05.01.19 to 23.02.19 on topic "EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER" at

JCT College of Engineering and Technology, Pichanur, Coimbatore,

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JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

CO-ORDINATOR

V.J. Brino
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Pichanur, Coimbatore - 641105

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

ASWATHY. P

has successfully completed the Value added Course

During 05.01.19 to 23.02.19 on topic "EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER" at

JCT College of Engineering and Technology, Pichanur, Coimbatore,

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Pichanur, Coimbatore-641105

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TÜV AUSTRIA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

ABIJITH. O. P

has successfully completed the Value added Course

During 05.01.19 to 23.02.19 on topic "EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER" at

JCT College of Engineering and Technology, Pichanur, Coimbatore,

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JCT College of Engineering & Technology
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Pichanur, Coimbatore - 641105

TÜV AUSTRIA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

SIBIN K.S

has successfully completed the Value added Course

During 05.01.19 to 23.02.19 on topic "EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER" at

JCT College of Engineering and Technology, Pichanur, Coimbatore,

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

VENNILA. C

has successfully completed the Value added Course

During 05.01.19 to 23.02.19 on topic "EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER" at

JCT College of Engineering and Technology, Pichanur, Coimbatore,

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Pichanur, Coimbatore - 641105

TÜV AUSTRIA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

KARNIYA. R

has successfully completed the Value added Course

During 05.01.19 to 23.02.19 on topic "EMBEDDED SYSTEM DESIGN USING ARDUINO MICRO CONTROLER" at

JCT College of Engineering and Technology, Pichanur, Coimbatore,

PRINCIPAL

JCT College of Engineering & Technology
Pichanur, Coimbatore 641105

CO-ORDINATOR

V.J. Brino
HOD/ECE

PRINCIPAL

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JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

From,

DATE 19-06-2018

D.Ashok Kumar,
Assistant professor,
Department of mechanical engineering,
JCT College of engineering andtechnology,
Coimbatore-641105.

To,

The principal,
JCT College of engineering and technology,
Coimbatore- 641105.

Sir,

Sub: permission of conducting Certificate Course on "ADVANCED FOUNDARY TECHNOLOGY" reg.

We have planned to conduct a Certificate Course on ADVANCED FOUNDARY TECHNOLOGY in academic year 2018-2019 for III year of Mechanical Department. We request you to grant us permission to conduct the course.

Thank you

Coordinator

HoD/Mech

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT College of Engineering and Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

Date:21-06-2018

CIRCULAR

As we are going to conduct a CERTIFICATE COURSE on "ADVANCED FOUNDARY TECHNOLOGY" from 02-07-2018 to 09-07-2018.Interested students are requested to enrol their names to program coordinator within two days.

HoD/Mechanical

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

TÜV AUSTRIA

Department of Mechanical Engineering

ADVANCED FOUNDARY TECHNOLOGYPROGRAM SCHEDULE02-07-2018 to 09-07-2018

Sno	Date	Session	Timing	Topic	Facilitator From
1.	02-07-2018	I	09:00 AM to 10:45 AM	Introduction	COINDIA
2.			10:45 AM to 11:00 AM	TEA BREAK	
3.		II	11:00 AM to 01:00 PM	Advancement in material handling systems in foundry.	COINDIA
4.			01:00 PM to 01:45 PM	LUNCH BREAK	
5.		III	01:45 PM to 03:45 PM	Quality aspects in foundry.	COINDIA
6.			03:45 PM to 04:00 PM	TEA BREAK	
7.		IV	04:00 PM to 05:00 PM	Pollution control in foundry.	COINDIA
8.	03-07-2018	I	09:00 AM to 10:45 AM	Structure of pure metals.	COINDIA
9.			10:45 AM to 11:00 AM	TEA BREAK	
10.		II	11:00 AM to 01:00 PM	Solidification of alloys.	COINDIA
11.			01:00 PM to 01:45 PM	LUNCH BREAK	
12.		III	01:45 PM to 03:45 PM	Construct structure properties relationship.	COINDIA
13.			03:45 PM to 04:00 PM	TEA BREAK	
14.		IV	04:00 PM to 05:00 PM	Special Casting Methods	COINDIA
15.	04-07-2018	I	09:00 AM to 10:45 AM	Investment casting	COINDIA
16.			10:45 AM to 11:00 AM	TEA BREAK	
17.		II	11:00 AM to 01:00 PM	Shell moulding.	COINDIA

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18.			01:00 PM to 01:45 PM	LUNCH BREAK	
19.		III	01:45 PM to 03:45 PM	Casting of Ferrous Metals:	COINDIA
20.			03:45 PM to 04:00 PM	TEA BREAK	
21.		IV	04:00 PM to 05:00 PM	Properties of green sand mould for steel casting	COINDIA
22.	05-07-2018	I	09:00 AM to 10:45 AM	Production of S.G.Iron	COINDIA
23.			10:45 AM to 11:00 AM	TEA BREAK	
24.		II	11:00 AM to 01:00 PM	Aluminium alloying principle	COINDIA
25.			01:00 PM to 01:45 PM	LUNCH BREAK	
26.		III	01:45 PM to 03:45 PM	Aluminium alloys castings properties	COINDIA
27.			03:45 PM to 04:00 PM	TEA BREAK	
28.		IV	04:00 PM to 05:00 PM	Engg. properties of Al casting alloys	COINDIA
29.	06-07-2018	I	09:00 AM to 10:45 AM	Cu alloys foundry practice.	COINDIA
30.			10:45 AM to 11:00 AM	TEA BREAK	
31.		II	11:00 AM to 01:00 PM	Riser and Gating System	COINDIA
32.			01:00 PM to 01:45 PM	LUNCH BREAK	
33.		III	01:45 PM to 03:45 PM	Castings design.	COINDIA
34.			03:45 PM to 04:00 PM		
35.		IV	04:00 PM to 05:00 PM	Riser design parameters.	COINDIA
36.	07-07-2018	I	09:00 AM to 10:45 AM	Riser calculation.	COINDIA
37.			10:45 AM to 11:00 AM	TEA BREAK	
38.		II	11:00 AM to 01:00 PM	Feeding distance	COINDIA
39.			01:00 PM to 01:45 PM	LUNCH BREAK	
40.		III	01:45 PM to 03:45 PM	Gating types : Pressurised and non pressurised.	COINDIA
41.			03:45 PM to 04:00 PM	TEA BREAK	

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42.		IV	04:00 PM to 05:00 PM	Gating calculation.	COINDIA
43.	09-07-2018	I	09:00 AM to 10:45 AM	Gating ratio	COINDIA
44.			10:45 AM to 11:00 AM	TEA BREAK	
45.		II	11:00 AM to 01:00 PM	Gating ratio	COINDIA
46.			01:00 PM to 01:45 PM	LUNCH BREAK	
47.		III	01:45 PM to 03:45 PM	Feedback from students	
48.			03:45 PM to 04:00 PM	TEA BREAK	
49.		IV	04:00 PM to 05:00 PM	Vote of thanks	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR
DEPARTMENT OF MECHANICAL ENGINEERING
"ADVANCED FOUNDARY TECHNOLOGY"
Registered student List

S.No	Reg.No	Name of the student
1.	720916114001	ABHIJITH.C.A
2.	720916114002	ABHIJITH.S
3.	720916114003	ABHINAV.V
4.	720916114004	ABIN.A
5.	720916114005	ABI VARGHEESE
6.	720916114007	AJITH.H
7.	720916114008	AJITH. S
8.	720916114009	AJU JAMES
9.	720916114011	AKSHAY.M
10.	720916114012	ALWIN.P
11.	720916114013	AMIRTHARAJ.J
12.	720916114014	ANANTHA KRISHNAN.R
13.	720916114015	ANURAG.M
14.	720916114016	ARJUN.N
15.	720916114018	ARUN.C
16.	720916114021	ARUN RAJ M
17.	720916114022	ASHIK.T.RAJU
18.	720916114023	ATHIVEERAPANDIYAN.P
19.	720916114024	BALAMURUGAN.T
20.	720916114025	DINESH MURUGAN.S
21.	720916114026	GOKUL KRISHNA.S
22.	720916114028	HARI GOVIND R
23.	720916114029	HIJAS MUTHU
24.	720916114030	JISHNU.K
25.	720916114031	JOBIN JHONSON
26.	720916114032	JOHNS.K.REJI
27.	720916114033	JOJIN GEORGE
28.	720916114035	KARAN.S
29.	720916114036	KARTHIK.P
30.	720916114037	MAHESH.V
31.	720916114038	MIDHUN.K.JAMES
32.	720916114039	MIQDHAD
33.	720916114040	MOHAMED JASIM. R
34.	720916114043	MUBASHIR.A
35.	720916114301	ABDUL RASHID.K
36.	720916114301	ABDUL RASHID.K
37.	720916114302	AJITH THOMAS
38.	720916114303	ANEES RAHMAN.A
39.	720916114304	ASISH JOHN
40.	720916114306	DANIEL.G
41.	720916114701	ASARUDHEEN K
42.	720916114702	MOHAMMED ROSHAN K
43.	720916114703	NAVAF
44.	720916114704	SACHIN AUGUSTIN.P.V

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45.	720916114705	SUHAIL M.A
46.	720916114708	FAWAZ.P
47.	720916114044	MUHAMMED NAVAS.K
48.	720916114045	MUHAMMED RAMEES
49.	720916114046	MUHAMMED RASHID.P.T
50.	720916114047	MUHAMMED SHIAD.V.S
51.	720916114048	MURALIDHARAN.D
52.	720916114049	MURALITHARAN.S
53.	720916114050	NAVANEETH.S
54.	720916114052	NAWAZ SHEREEF.K
55.	720916114054	NIKHIL K DAS
56.	720916114055	NITHIN.M
57.	720916114056	PARTHASARATHI.S
58.	720916114058	PERUMITHAKRISHNAN.K
59.	720916114060	PRADEEPAN.K
60.	720916114061	RAJA MUTHAIYA.M
61.	720916114062	RAMANATHAN.A
62.	720916114063	RAMANATHAN.M
63.	720916114064	RISHAB.R
64.	720916114065	SAMARNATH.S
65.	720916114066	SARATH.C
66.	720916114067	SAYAND R
67.	720916114068	SIKENDAR BASHA.M
68.	720916114070	SOORAJ.S
69.	720916114072	SREEKUMAR.S
70.	720916114073	VIBIN FRANCIS
71.	720916114075	VIGNESH.J
72.	720916114076	VIGNESH.T.R
73.	720916114077	VIGNESHWARAN.M
74.	720916114078	VISHAL.H
75.	720916114079	VISHNU.C
76.	720916114080	VISHNU.K
77.	720916114081	VISHNU.V
78.	720916114082	VISHNU PRASAD.P.V
79.	720916114083	VISHNURAJ.S
80.	720916114086	VIGNESH SASINDRAN BINDU
81.	720916114087	ABDUL RAOUF KUNNATH
82.	720916114090	ARAVIND SREEDHAR
83.	720916114092	JOBIN K GEORGE
84.	720916114307	DILJITH C
85.	720916114309	JAYAMOHAN.K
86.	720916114310	JITHIN V JAYAN
87.	720916114311	LIVINGSTON ANTONY
88.	720916114313	NIKHILDAS S
89.	720916114314	SAKTHIVEL.P
90.	720916114316	ULSAV.U
91.	720916114501	CLEMENT ANTO
92.	720916114706	MOHAMMED RIYAS P M
93.	720916114707	UNAIS.P.K
94.	720916114709	ABIJITH M

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS-ATTENDANCE SHEET

ADVANCED FOUNDRY TECHNOLOGY

S.No	Reg no	Name of the Student	1	2	3	4	5	6	7	8	9	10
1.	720916114001	ABHIJITH.C.A	a	/	/	/	/	/	/	/	/	/
2.	720916114002	ABHIJITH.S	/	/	/	/	a	/	/	/	a	/
3.	720916114003	ABHINAV.V	/	/	/	/	/	/	/	/	/	/
4.	720916114004	ABIN.A	/	a	/	/	/	/	/	/	/	/
5.	720916114005	ABI VARGHEESE	/	/	/	/	/	/	/	a	/	/
6.	720916114007	AJITH.H	/	/	/	/	/	/	/	/	/	/
7.	720916114008	AJITH. S	/	/	a	/	/	/	/	/	/	/
8.	720916114009	AJU JAMES	/	/	/	/	/	/	a	/	/	/
9.	720916114011	AKSHAY.M	/	/	/	/	/	/	/	/	/	/
10.	720916114012	ALWIN.P	/	/	/	a	/	/	/	/	/	a
11.	720916114013	AMIRTHARAJ.J	/	/	/	/	/	/	/	/	/	/
12.	720916114014	ANANTHA KRISHNAN.R	/	/	/	a	/	/	/	/	/	a
13.	720916114015	ANURAG.M	/	/	/	/	/	/	/	/	/	/
14.	720916114016	ARJUN.N	/	/	a	/	/	/	/	a	/	/
15.	720916114018	ARUN.C	/	/	/	/	/	/	/	/	/	/
16.	720916114021	ARUN RAJ M	/	/	a	/	/	/	/	/	/	/
17.	720916114022	ASHIK.T.RAJU	/	/	/	/	/	/	/	/	/	/
18.	720916114023	ATHIVEERAPANDIYAN .P	/	/	/	/	/	/	a	/	/	/
19.	720916114024	BALAMURUGAN.T	/	/	/	/	/	/	/	/	/	/
20.	720916114025	DINESH MURUGAN.S	/	/	/	/	/	/	/	/	/	a
21.	720916114026	GOKUL KRISHNA.S	/	/	/	a	/	/	/	/	/	/
22.	720916114028	HARI GOVIND R	/	/	/	/	/	/	/	/	/	/
23.	720916114029	HIJAS MUTHU	/	a	/	/	/	/	/	a	/	/
24.	720916114030	JISHNU.K	/	/	/	/	/	/	/	/	/	/
25.	720916114031	JOBIN JHONSON	/	a	/	/	/	/	/	a	/	/
26.	720916114032	JOHNS.K.REJI	/	/	/	/	/	/	/	/	/	/
27.	720916114033	JOJIN GEORGE	/	/	/	a	/	/	/	/	a	/
28.	720916114035	KARAN.S	/	/	/	/	/	/	/	/	/	/
29.	720916114036	KARTHIK.P	/	/	/	/	/	/	/	/	/	/
30.	720916114037	MAHESH.V	/	/	a	/	/	/	/	/	/	/
31.	720916114038	MIDHUN.K.JAMES	/	/	/	/	/	/	/	/	/	/
32.	720916114039	MIQDHAD	/	/	/	/	/	/	a	/	/	/
33.	720916114040	MOHAMED JASIM. R	/	/	/	/	/	/	/	/	/	/
34.	720916114043	MUBASHIR.A	/	/	/	a	/	/	/	/	/	/
35.	720916114301	ABDUL RASHID.K	/	/	/	/	/	/	/	/	/	/
36.	720916114301	ABDUL RASHID.K	/	/	/	/	/	a	/	/	/	/
37.	720916114302	AJITH THOMAS	/	/	/	/	/	/	/	/	/	/
38.	720916114303	ANEES RAHMAN.A	/	/	/	a	/	/	/	/	/	/
39.	720916114304	ASISH JOHN	/	/	/	/	/	/	/	/	/	/
40.	720916114306	DANIEL.G	/	/	/	/	/	/	/	a	/	/

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41.	720916114701	ASARUDHEEN K	1	1	A	1	1	1	1	1	1	1
42.	720916114702	MOHAMMED ROSHAN K	1	1	1	1	1	1	A	1	1	1
43.	720916114703	NAVAF	1	1	1	1	A	1	1	1	1	1
44.	720916114704	SACHIN AUGUSTIN P.V	1	A	1	1	1	1	1	1	A	1
45.	720916114705	SUHAIL M.A	1	1	1	A	1	1	1	1	1	1
46.	720916114708	FAWAZ.P	1	1	1	1	1	A	1	1	1	1
47.	720916114044	MUHAMMED NAVAS.K	1	1	1	1	1	1	1	1	1	1
48.	720916114045	MUHAMMED RAMEES	1	1	A	1	1	1	1	1	A	1
49.	720916114046	MUHAMMED RASHID.P.T	1	1	1	1	1	A	1	1	1	1
50.	720916114047	MUHAMMED SHIAD.V.S	1	1	A	1	1	1	1	1	1	1
51.	720916114048	MURALIDHARAN.D	1	1	1	1	1	1	1	A	1	1
52.	720916114049	MURALITHARAN.S	1	1	1	1	1	1	1	1	1	1
53.	720916114050	NAVANEETH.S	1	1	1	A	1	1	1	1	1	1
54.	720916114052	NAWAZ SHEREEF.K	1	A	1	1	1	1	1	1	1	1
55.	720916114054	NIKHIL K DAS	1	1	1	1	1	1	1	A	1	1
56.	720916114055	NITHIN.M	1	1	1	1	1	1	1	1	1	A
57.	720916114056	PARTHASARATHI.S	1	1	1	A	1	1	1	1	1	1
58.	720916114058	PERUMITHAKRISHNA N.K	1	1	1	1	1	1	1	1	A	1
59.	720916114060	PRADEEPAN.K	1	A	1	1	1	1	1	1	1	1
60.	720916114061	RAJA MUTHAIYA.M	1	1	1	1	1	1	A	1	1	1
61.	720916114062	RAMANATHAN.A	1	1	1	A	1	1	1	1	1	1
62.	720916114063	RAMANATHAN.M	1	1	1	1	1	1	A	1	1	1
63.	720916114064	RISHAB.R	1	1	1	1	A	1	1	1	1	1
64.	720916114065	SAMARNATH.S	1	A	1	1	1	1	1	1	A	1
65.	720916114066	SARATH.C	1	1	1	1	1	1	1	1	1	1
66.	720916114067	SAYAND R	1	1	1	A	1	1	1	1	1	1
67.	720916114068	SIKENDAR BASHA.M	1	1	1	1	1	1	1	A	1	1
68.	720916114070	SOORAJ.S	1	1	1	1	1	1	1	1	1	1
69.	720916114072	SREEKUMAR.S	1	A	1	1	1	1	1	1	1	A
70.	720916114073	VIBIN FRANCIS	1	1	1	1	1	1	1	1	1	1
71.	720916114075	VIGNESH.J	1	1	1	A	1	1	1	1	1	1
72.	720916114076	VIGNESH.T.R	1	1	1	1	1	1	1	A	1	1
73.	720916114077	VIGNESHWARAN.M	1	A	1	1	1	1	1	1	1	1
74.	720916114078	VISHAL.H	1	1	1	1	1	A	1	1	1	A
75.	720916114079	VISHNU.C	A	1	1	1	1	1	1	1	1	1
76.	720916114080	VISHNU.K	1	1	1	A	1	1	A	1	1	1
77.	720916114081	VISHNU.V	1	1	1	1	1	1	1	1	1	A
78.	720916114082	VISHNU PRASAD.P.V	1	1	1	1	1	1	A	1	1	1
79.	720916114083	VISHNURAJ.S	1	1	A	1	1	1	1	1	1	1
80.	720916114086	VIGNESH SASINDRAN BINDU	1	1	1	1	1	A	1	1	1	1
81.	720916114087	ABDUL RAOUF KUNNATH	1	1	A	1	1	1	1	1	1	1
82.	720916114090	ARAVIND SREEDHAR	A	1	1	1	1	1	1	A	1	1
83.	720916114092	JOBIN K GEORGE	1	1	1	1	1	1	1	1	1	1
84.	720916114307	DILJITH C	1	1	1	1	A	1	1	1	1	1
85.	720916114309	JAYAMOHAN.K	1	1	A	1	1	1	1	1	A	1

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86.	720916114310	JITHIN V JAYAN	1	G	1	1	1	1	1	1	1	1	1
87.	720916114311	LIVINGSTON ANTONY	1	1	1	1	1	1	1	1	1	1	1
88.	720916114313	NIKHILDAS S	1	1	1	G	1	1	1	1	1	1	1
89.	720916114314	SAKTHIVEL.P	1	1	1	1	1	G	1	G	1	1	1
90.	720916114316	ULSAV.U	1	1	1	1	1	1	1	1	G	1	1
91.	720916114501	CLEMENT ANTO	1	1	1	1	1	1	1	1	1	G	1
92.	720916114706	MOHAMMED RIYAS P M	1	1	G	1	1	G	1	1	1	1	1
93.	720916114707	UNAIS.P.K	1	1	1	1	G	1	1	1	1	1	1
94.	720916114709	ABIJITH M	1	1	1	1		1	1	G	1	1	1

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Syllabus for Advance in foundry technology

- Liquid, solid and solidification
- Shrinkage nucleation and growth
- Segregation
- Mechanism of solidification of ferrous alloys,
- Flow of metals in gates,
- Heat transfer during solidification,
- Melting furnaces and processes for the production of cast irons and steel castings,
- Special problems in heat treatment to ferrous castings,
- Sand practice for iron and steel casting production,
- Modern trends,
- Engineering design of castings,
- Sources of fluctuation in properties,
- Influence of form and environment.
- Numerical problems and computers in foundry.

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE COURSE on Advanced foundry Technology.

FEED BACK FROM STUDENTS

Name: DANIEL. G

Date: 09.7.18

Kindly put (√) mark

	Poor	Average	Good	Excellent/ Useful
Overall Verdict			✓	
Training Structure				✓
Training Content				✓
Quality of Handouts			✓	
Session Length				✓
Venue			✓	

What did you like about the course?

This type of course is used to develope the advanced Technical Knowledg.

What you think could be improved?

I improved my skill.

Outline 3 things that you will take with you / have learnt in this session.

(i) modern terends tools,

(ii) castings design.

Do you have any suggestions for new session? — No.

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P.Kathikeyan

B.E, MECHANICAL ENGINEER

Engineering degree with first Class

Completed in RVS College of Engineering and Technology

Skills

Dealing with Complexity, Informing Others, Leadership, Supervision, Manufacturing Methods and Procedures, Manufacturing Quality, Product Development, Presenting Technical Information, CAD, CAD/CAM Circuit Design

Duties:

- Evaluates manufacturing processes by designing and conducting research programs; applying knowledge of product design, fabrication, assembly, tooling, and materials; conferring with equipment vendors; soliciting observations from operators.
- Develops manufacturing processes by studying product requirements; researching, designing, modifying, and testing manufacturing methods and equipment; conferring with equipment vendors.
- Improves manufacturing efficiency by analyzing and planning work flow, space requirements, and equipment layout.
- Assures product and process quality by designing testing methods; testing finished- product and process capabilities; establishing standards; confirming manufacturing processes.
- Prepares product and process reports by collecting, analyzing, and summarizing information and trends. .
- Provides manufacturing engineering information by answering questions and requests.
- Training the engineering graduate and polytechnic students.
- Completes design and development projects by training and guiding technicians.
- Maintains professional and technical knowledge
- Presenting in the educational workshops; reviewing professional publications; establishing personal networks; participating in professional societies.

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CERTIFICATE OF COMPLETION

This is to certify that

ABHINAV.V

has successfully completed the training course in

'Advanced Foundry Technology'

from **02-07-2018** to **09-07-2018**, conducted by the Department of Mechanical Engineering in the academic year **2018 - 2019**.

(In witness whereos, we hove offixed our signotures under)

COINDIA®

Dr.G.Ramesh
Principal, JCT Institute

JCT COLLEGE OF ENGINEERING & TECHNOLOGY

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CERTIFICATE OF COMPLETION

This is to certify that

ABIN.A

has successfully completed the training course in

'Advanced Foundry Technology'

from **02-07-2018** . to **09-07-2018 ,** conducted by the Department of Mechanical Engineering in the academic year **2018 - 2019 .**

(In witness whereos, we hove offixed our signotures under)

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Principal, JCT Institute

JCT COLLEGE OF ENGINEERING & TECHNOLOGY

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CERTIFICATE OF COMPLETION

This is to certify that

ABI VARGHEESE

has successfully completed the training course in

'Advanced Foundry Technology'

from **02-07-2018** . to **09-07-2018** , conducted by the Department of Mechanical Engineering in the academic year **2018 - 2019** .

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Principal, JCT Institute

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CERTIFICATE OF COMPLETION

This is to certify that

AJITH.H

has successfully completed the training course in

'Advanced Foundry Technology'

from **02-07-2018** . to **09-07-2018** , conducted by the Department of Mechanical Engineering in the academic year **2018 - 2019** .

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Dr.G.Ramesh
Principal, JCT Institute

JCT COLLEGE OF ENGINEERING & TECHNOLOGY

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CERTIFICATE OF COMPLETION

This is to certify that

ABHIJITH.C.A

has successfully completed the training course in,

'Advanced Foundry Technology'

from **02-07-2018**. to **09-07-2018**, conducted by the Department of Mechanical Engineering in the academic year **2018 - 2019 .**

(In witness whereos, we hove offixed our signotures under)

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Dr.G.Ramesh
Principal, JCT Institute

JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

DATE 02/01/2019

From,

D.Ashok Kumar,
Assistant professor,
Department of mechanical engineering,
JCT College of engineering and technology,
Coimbatore-641105.

To,

The principal,
JCT College of engineering and technology,
Coimbatore- 641105.

Sir,

Sub: permission of conducting Certificate Course on "ADVANCED CASTING TECHNOLOGY" reg.

We have planned to conduct a Certificate Course on ADVANCED CASTING TECHNOLOGY in academic year 2018-2019 for III year of Mechanical Department. We request you to grant us permission to conduct the course.

Thank you

Coordinator

HoD/Mech

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JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

Date:07-01-2018

CIRCULAR

As we are going to conduct a CERTIFICATE COURSEon "ADVANCED CASTING TECHNOLOGY" from18-01-2019 to 25-01-2019. Interested students are requested to enrol their names to program coordinator within two days.

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Hod/Mechanical

JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

TÜV AUSTRIA

Department of Mechanical Engineering

ADVANCED CASTING TECHNOLOGY

PROGRAM SCHEDULE18-01-2019 to 25-01-2019

Sno	Date	Session	Timing	Topic	Facilitator From
1.	18-01-2019	I	09:00 AM to 10:45 AM	Introduction	COINDIA
2.			10:45 AM to 11:00 AM	TEA BREAK	
3.		II	11:00 AM to 01:00 PM	Basic Metallurgy	COINDIA
4.			01:00 PM to 01:45 PM	LUNCH BREAK	
5.		III	01:45 PM to 03:45 PM	Melting - charging	COINDIA
6.			03:45 PM to 04:00 PM	TEA BREAK	
7.		IV	04:00 PM to 05:00 PM	Melting - charging	COINDIA
8.	19-01-2019	I	09:00 AM to 10:45 AM	Melting - oxygen blow	COINDIA
9.			10:45 AM to 11:00 AM	TEA BREAK	
10.		II	11:00 AM to 01:00 PM	Melting - oxygen blow	COINDIA
11.			01:00 PM to 01:45 PM	LUNCH BREAK	
12.		III	01:45 PM to 03:45 PM	Patterns	COINDIA
13.			03:45 PM to 04:00 PM	TEA BREAK	
14.		IV	04:00 PM to 05:00 PM	Patterns	COINDIA
15.	21-01-2019	I	09:00 AM to 10:45 AM	Core &Molding - sand & binder (No-bake)	COINDIA
16.			10:45 AM to 11:00 AM	TEA BREAK	
17.		II	11:00 AM to 01:00 PM	Core &Molding - sand & binder (No-bake)	COINDIA
18.			01:00 PM to 01:45 PM	LUNCH BREAK	

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19.		III	01:45 PM to 03:45 PM	Melting - slag control	COINDIA
20.			03:45 PM to 04:00 PM	TEA BREAK	
21.		IV	04:00 PM to 05:00 PM	Melting - slag control	COINDIA
22.	22-01-2019	I	09:00 AM to 10:45 AM	Melting - tapping & de oxidation	COINDIA
23.			10:45 AM to 11:00 AM	TEA BREAK	
24.		II	11:00 AM to 01:00 PM	Melting - tapping & de oxidation	COINDIA
25.			01:00 PM to 01:45 PM	LUNCH BREAK	
26.		III	01:45 PM to 03:45 PM	Core &Molding - wash & closing	COINDIA
27.			03:45 PM to 04:00 PM	TEA BREAK	
28.		IV	04:00 PM to 05:00 PM	Core &Molding - wash & closing	COINDIA
29.	23-01-2019	I	09:00 AM to 10:45 AM	Pouring	COINDIA
30.			10:45 AM to 11:00 AM	TEA BREAK	
31.		II	11:00 AM to 01:00 PM	Pouring	COINDIA
32.			01:00 PM to 01:45 PM	LUNCH BREAK	
33.		III	01:45 PM to 03:45 PM	Solidification & Cooling	COINDIA
34.			03:45 PM to 04:00 PM	TEA BREAK	
35.		IV	04:00 PM to 05:00 PM	Solidification & Cooling	COINDIA
36.	24-01-2019	I	09:00 AM to 10:45 AM	Finishing - shakeout & riser removal	COINDIA
37.			10:45 AM to 11:00 AM	TEA BREAK	
38.		II	11:00 AM to 01:00 PM	Finishing - grinding	COINDIA
39.			01:00 PM to 01:45 PM	LUNCH BREAK	
40.		III	01:45 PM to 03:45 PM	Heat Treatment	COINDIA
41.			03:45 PM to 04:00 PM	TEA BREAK	
42.		IV	04:00 PM to 05:00 PM	Inspection - visual & mag particle	COINDIA
43.	25-01-2019	I	09:00 AM to 10:45 AM	Inspection - hardness & liquid penetrant	COINDIA
44.			10:45 AM to 11:00 AM	TEA BREAK	
45.		II	11:00 AM to 01:00 PM	Inspection - hardness & liquid penetrant	COINDIA

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Coimbatore- 641 105

46.			01:00 PM to 01:45 PM	LUNCH BREAK	
47.		III	01:45 PM to 03:45 PM	Feedback from students	
48.			03:45 PM to 04:00 PM	TEA BREAK	
49.		IV	04:00 PM to 05:00 PM	Vote of thanks	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR

DEPARTMENT OF MECHANICAL ENGINEERING

"ADVANCED CASTING TECHNOLOGY"

Registered student List

S.No	Reg.No	Name of the student
1.	720916114001	ABHIJITH.C.A
2.	720916114002	ABHIJITH.S
3.	720916114003	ABHINAV.V
4.	720916114004	ABIN.A
5.	720916114005	ABI VARGHEESE
6.	720916114007	AJITH.H
7.	720916114008	AJITH. S
8.	720916114009	AJU JAMES
9.	720916114011	AKSHAY.M
10.	720916114012	ALWIN.P
11.	720916114013	AMIRTHARAJ.J
12.	720916114014	ANANTHA KRISHNAN.R
13.	720916114015	ANURAG.M
14.	720916114016	ARJUN.N
15.	720916114018	ARUN.C
16.	720916114021	ARUN RAJ M
17.	720916114022	ASHIK.T.RAJU
18.	720916114023	ATHIVEERAPANDIYAN.P
19.	720916114024	BALAMURUGAN.T
20.	720916114025	DINESH MURUGAN.S
21.	720916114026	GOKUL KRISHNA.S
22.	720916114028	HARI GOVIND R
23.	720916114029	HIJAS MUTHU
24.	720916114030	JISHNU.K
25.	720916114031	JOBIN JHONSON
26.	720916114032	JOHNS.K.REJI
27.	720916114033	JOJIN GEORGE
28.	720916114035	KARAN.S
29.	720916114036	KARTHIK.P
30.	720916114037	MAHESH.V
31.	720916114038	MIDHUN.K.JAMES
32.	720916114039	MIQDHAD
33.	720916114040	MOHAMED JASIM. R
34.	720916114043	MUBASHIR.A
35.	720916114301	ABDUL RASHID.K
36.	720916114301	ABDUL RASHID.K
37.	720916114302	AJITH THOMAS
38.	720916114303	ANEES RAHMAN.A
39.	720916114304	ASISH JOHN
40.	720916114306	DANIEL.G
41.	720916114701	ASARUDHEEN K
42.	720916114702	MOHAMMED ROSHAN K
43.	720916114703	NAVAF
44.	720916114704	SACHIN AUGUSTIN.P.V

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45.	720916114705	SUHAIL M.A
46.	720916114708	FAWAZ.P
47.	720916114044	MUHAMMED NAVAS.K
48.	720916114045	MUHAMMED RAMEES
49.	720916114046	MUHAMMED RASHID.P.T
50.	720916114047	MUHAMMED SHIAD.V.S
51.	720916114048	MURALIDHARAN.D
52.	720916114049	MURALITHARAN.S
53.	720916114050	NAVANEETH.S
54.	720916114052	NAWAZ SHEREEF.K
55.	720916114054	NIKHIL K DAS
56.	720916114055	NITHIN.M
57.	720916114056	PARTHASARATHI.S
58.	720916114058	PERUMITHAKRISHNAN.K
59.	720916114060	PRADEEPAN.K
60.	720916114061	RAJA MUTHAIYA.M
61.	720916114062	RAMANATHAN.A
62.	720916114063	RAMANATHAN.M
63.	720916114064	RISHAB.R
64.	720916114065	SAMARNATH.S
65.	720916114066	SARATH.C
66.	720916114067	SAYAND R
67.	720916114068	SIKENDAR BASHA.M
68.	720916114070	SOORAJ.S
69.	720916114072	SREEKUMAR.S
70.	720916114073	VIBIN FRANCIS
71.	720916114075	VIGNESH.J
72.	720916114076	VIGNESH.T.R
73.	720916114077	VIGNESHWARAN.M
74.	720916114078	VISHAL.H
75.	720916114079	VISHNU.C
76.	720916114080	VISHNU.K
77.	720916114081	VISHNU.V
78.	720916114082	VISHNU PRASAD.P.V
79.	720916114083	VISHNURAJ.S
80.	720916114086	VIGNESH SASINDRAN BINDU
81.	720916114087	ABDUL RAOUF KUNNATH
82.	720916114090	ARAVIND SREEDHAR
83.	720916114092	JOBIN K GEORGE
84.	720916114307	DILJITH C
85.	720916114309	JAYAMOHAN.K
86.	720916114310	JITHIN V JAYAN
87.	720916114311	LIVINGSTON ANTONY
88.	720916114313	NIKHILDAS S
89.	720916114314	SAKTHIVEL.P
90.	720916114316	ULSAV.U
91.	720916114501	CLEMENT ANTO
92.	720916114706	MOHAMMED RIYAS P M
93.	720916114707	UNAIS.P.K
94.	720916114709	ABIJITH M

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18-19

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS-ATTENDANCE SHEET

Advanced casting Technology

S.No	Reg no	Name of the Student	1	2	3	4	5	6	7	8	9	10
1.	720916114001	ABHIJITH.C.A										
2.	720916114002	ABHIJITH.S										
3.	720916114003	ABHINAV.V										
4.	720916114004	ABIN.A										
5.	720916114005	ABI VARGHEESE										
6.	720916114007	AJITH.H										
7.	720916114008	AJITH. S										
8.	720916114009	AJU JAMES										
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15.	720916114018	ARUN.C										
16.	720916114021	ARUN RAJ M										
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22.	720916114028	HARI GOVIND R										
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24.	720916114030	JISHNU.K										
25.	720916114031	JOBIN JHONSON										
26.	720916114032	JOHNS.K.REJI										
27.	720916114033	JOJIN GEORGE										
28.	720916114035	KARAN.S										
29.	720916114036	KARTHIK.P										
30.	720916114037	MAHESH.V										
31.	720916114038	MIDHUN.K.JAMES										
32.	720916114039	MIQDHAD										
33.	720916114040	MOHAMED JASIM. R										
34.	720916114043	MUBASHIR.A										
35.	720916114301	ABDUL RASHID.K										
36.	720916114301	ABDUL RASHID.K										
37.	720916114302	AJITH THOMAS										
38.	720916114303	ANEES RAHMAN.A										
39.	720916114304	ASISH JOHN										
40.	720916114306	DANIEL.G										

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41.	720916114701	ASARUDHEEN K												
42.	720916114702	MOHAMMED ROSHAN K			a					a				
43.	720916114703	NAVAF												
44.	720916114704	SACHIN AUGUSTIN.P.V				a								
45.	720916114705	SUHAIL M.A												
46.	720916114708	FAWAZ.P						a						
47.	720916114044	MUHAMMED NAVAS.K			a									
48.	720916114045	MUHAMMED RAMEES												
49.	720916114046	MUHAMMED RASHID.P.T						a						
50.	720916114047	MUHAMMED SHIAD.V.S			a				a					
51.	720916114048	MURALIDHARAN.D												
52.	720916114049	MURALITHARAN.S								a				
53.	720916114050	NAVANEETH.S				a								
54.	720916114052	NAWAZ SHEREEF.K												
55.	720916114054	NIKHIL K DAS				a								
56.	720916114055	NITHIN.M												
57.	720916114056	PARTHASARATHI.S							a					
58.	720916114058	PERUMITHAKRISHNA N.K				a								
59.	720916114060	PRADEEPAN.K	a							a				
60.	720916114061	RAJA MUTHAIYA.M					a							
61.	720916114062	RAMANATHAN.A												
62.	720916114063	RAMANATHAN.M								a				
63.	720916114064	RISHAB.R					a							
64.	720916114065	SAMARNATH.S												
65.	720916114066	SARATH.C			a				a					
66.	720916114067	SAYAND R					a							
67.	720916114068	SIKENDAR BASHA.M												
68.	720916114070	SOORAJ.S				a				a				
69.	720916114072	SREEKUMAR.S			a									
70.	720916114073	VIBIN FRANCIS							a					
71.	720916114075	VIGNESH.J												
72.	720916114076	VIGNESH.T.R			a						a			
73.	720916114077	VIGNESHWARAN.M												
74.	720916114078	VISHAL.H						a						
75.	720916114079	VISHNU.C				a								
76.	720916114080	VISHNU.K									a			
77.	720916114081	VISHNU.V												
78.	720916114082	VISHNU PRASAD.P.V							a					
79.	720916114083	VISHNURAJ.S				a								
80.	720916114086	VIGNESH SASINDRAN BINDU						a						
81.	720916114087	ABDUL RAOUF KUNNATH				a								
82.	720916114090	ARAVIND SREEDHAR							a					
83.	720916114092	JOBIN K GEORGE	a											
84.	720916114307	DILJITH C			a									
85.	720916114309	JAYAMOHAN.K				a								

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86.	720916114310	JITHIN V JAYAN												
87.	720916114311	LIVINGSTON ANTONY												
88.	720916114313	NIKHILDAS S												
89.	720916114314	SAKTHIVEL.P												
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91.	720916114501	CLEMENT ANTO												
92.	720916114706	MOHAMMED RIYAS P M												
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94.	720916114709	ABIJITH M												

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Syllabus for Advanced technology in casting

- Basic Metallurgy
- Design Engineering
- Melting - charging
- Melting - oxygen blow
- Patterns
- Core &Molding - sand & binder (No-bake)
- Melting - slag control
- Melting - tapping & deoxidation
- Core &Molding - wash & closing
- Pouring
- Solidification & Cooling
- Finishing - shakeout & riser removal
- Finishing - grinding
- Heat Treatment
- Inspection - visual & mag particle
- Inspection - hardness & liquid penetrant

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE COURSE on Advanced Casting Technology

FEED BACK FROM STUDENTS

Name: H. Ajith.

Date: 25/1/18

Kindly put (√) mark

	Poor	Average	Good	Excellent/ Useful
Overall Verdict			✓	
Training Structure			✓	
Training Content			✓	
Quality of Handouts			✓	✓
Session Length			✓	
Venue				✓

What did you like about the course?

* Different types of casting relates to industry

What you think could be improved?

* Very nice session.

Outline 3 things that you will take with you / have learnt in this session.

* I got more information about casting technology.

Do you have any suggestions for new session?

* Very Good.

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T.Gnanavel raja

Associate Engineer

Education-Bachelor of engineering, Kongu Engineering College, perunthurai

Class: First class

SKILLS

- Assist the team in all launch and production start-up activities and coordinate all try-out materials to ensure availability
- Maintain assembly equipment and tooling program open issues log and lessons learned log
- Lead the assembly process meetings at the integrator and maintain the assembly equipment and tooling timing charts
- Plans, coordinates, and executes the activities involved with the assembly equipment and tools from the quote phase through the launch of the equipment in the business unit
- Support all customer meetings, internal meetings, and project reviews
- Interface with all internal departments to ensure they are kept up to date on the assembly equipment and tool status and the timely try-outs and launch of the equipment in the business units
- Make recommendations of best business practices
- Manage and maintain the assembly equipment portion of the project including tool designs, equipment fabrication, try-out materials, and launch support so the costs are within budget
- Participate in weekly tech reviews with the project team
- Manage all engineering changes
- Interested in motivation of the student communities

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore - 641 105

COMPLETION CERTIFICATION

This is to certify that Mr./Ms. ABHIJITH.S has completed training course in **'Advanced Casting Technology'** during **18-01-2019** to **25-01-2019** conducted by the Department of Mechanical Engineering in the academic year **2018 - 2019 .**

Dr.G. Ramesh.
Principal, JCT Institute.

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Pichanur, Coimbatore - 641 105

COMPLETION CERTIFICATION

This is to certify that Mr./Ms. ABHINAV.V has completed training course in **'Advanced Casting Technology'** during **18-01-2019** to **25-01-2019** conducted by the Department of Mechanical Engineering in the academic year **2018 - 2019 .**

Dr.G. Ramesh.
Principal, JCT Institute.

PRINCIPAL
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COMPLETION CERTIFICATION

This is to certify that Mr./Ms. ABIN.A has completed training course in **'Advanced Casting Technology'** during 18-01-2019 to 25-01-2019 conducted by the Department of Mechanical Engineering in the academic year 2018 - 2019 .

Dr.G. Ramesh.
Principal, JCT Institute.

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COMPLETION CERTIFICATION

This is to certify that Mr./Ms. ABI VARGHEESE has completed training course in **'Advanced Casting Technology'** during **18-01-2019** to **25-01-2019** conducted by the Department of Mechanical Engineering in the academic year **2018 - 2019 .**

Dr.G. Ramesh.
Principal, JCT Institute.

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27/07/2018

From

Head of the Department,
Department of Petrochemical Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting course "PCEMA01- Introduction to Energy Management and Auditing" - Reg.

The Department of Petrochemical Engineering is planned to conduct the course "PCEMA01- Introduction to Energy Management and Auditing" for our Petrochemical engineering students. The course period is conducting on 08/09/2018, 15/09/2018, 22/09/2018 & 29/09/2018. The details about the program and the course coordinator are given below for your perusal. Hence I request you to kindly provide the permission for conducting the above course successfully.

Name of the Event	Course Coordinator	Organized by	Date
Introduction to Energy Management and Auditing	K.Balasubramani/AP, M.Ramkumar/AP, J.Praveen Kumar/AP	Petrochemical Engineering	08/09/2018, 15/09/2018, 22/09/2018, 29/09/2018

Thanking you,

Yours truly,

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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JCT
College of Engineering and Technology

20/08/2018

CIRCULAR

DEPARTMENT OF PETROCHEMICAL ENGINEERING

It is proposed to conduct a course (**PCEMA01-** Introduction to Energy Management and Auditing) **on 08/09/2018, 15/09/2018, 22/09/2018 & 29/09/2018 for Final year Petrochemical Students**. It will provide a platform to debate, discuss and share the vision of the ideas on the Energy management and to enable the students to understand the concept of energy and its importance. So, interested students are advised to register the name to the course Co-ordinator.

HOD/PCE

PRINCIPAL 20/8/18.

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

COURSE	COURSE NAME	TOTAL HOURS
PCEMA01	Introduction to Energy Management and Auditing	30

Course Objectives:

1) To enable the students to understand the concept of energy and its importance
2) To educate the students to understand the principles of energy management
3) To know about energy audit and its methodology

Course Outcome:

- Students will be able to understand the different methods used to minimize the energy cost

UNIT	Detailed Syllabus	Hours
Unit I	**Introduction to Energy:** Importance of Energy - Conventional and non- Conventional Energy- Bio Mass Energy- Energy Conservation- Energy Conservation in Chemical Industries	10
UNIT II	**Principles of Energy Management** Definition and Objectives of Energy management - Energy Management Planning- Fuel & Energy Substitute-Maximizing system effiencies-Optimizing the input energy requirements.	10
UNIT III	**Energy Audit Procedure** Energy Audit –need -types of energy audit- Understanding the Energy Cost- Energy Audit Tools- Energy Audit Report- Bench marking - Energy performance-matching energy use to requirement.	10

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

COURSE	COURSE NAME	TOTAL HOURS
PCEMA01	Introduction to Energy Management and Auditing	30

S.No	Topics to be covered	Hours	Resource person
	Day 1		
1	Importance of Energy	2	Internal
2	Conventional and non- Conventional Energy	2	Internal
3	Bio Mass Energy	2	Internal
4	Energy Conservation	2	Internal
	Day 2		
1	Energy Conservation in Chemical Industries	2	Internal
2	Definition and Objectives of Energy management	2	Internal
3	Energy Management Planning	2	Internal
4	Fuel & Energy Substitute	2	Internal
	Day 3		
1	Maximizing system effiencies.	2	Internal
2	Optimizing the input energy requirements	2	Internal
3	Energy Audit –need types of energy audit	2	Internal
4	Understanding the Energy cost	2	Internal
	Day 4		
1	Energy Audit Tools	2	Internal
2	Energy Audit Report	1	Internal
3	Bench marking	1	Internal
4	Energy performance	1	Internal
5	Matching energy use to requirement	1	Internal

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

TÜV AUSTRIA

Course: Introduction to Energy Management and Auditing

Day	1	2	10.45-11.00	3	4	12.30-01.20	5	6	7	8
	9.10-10.00	10.00-10.45		11.00-11.45	11.45-12.30		1.20 – 2.05	2.05 – 2.50	2.50 – 3.35	3.35 – 4.40
08/09/2018	**Introduction Through HOD, Course Co-Coordinator**		BREAK	K.Balasubramani/AP, M.Ramkumar/AP,		LUNCH BREAK	K.Balasubramani/AP, M.Ramkumar/AP, J.Praveen Kumar/AP			
15/09/2018	K.Balasubramani/AP, M.Ramkumar/AP,			K.Balasubramani/AP, J.Praveen Kumar/AP			K.Balasubramani/AP, M.Ramkumar/AP, J.Praveen Kumar/AP			
22/09/2018	K.Balasubramani/AP, J.Praveen Kumar/AP			M.Ramkumar/AP, J.Praveen Kumar/AP			K.Balasubramani/AP, M.Ramkumar/AP, J.Praveen Kumar/AP			
29/09/2018	M.Ramkumar/AP, J.Praveen Kumar/AP			K.Balasubramani/AP, M.Ramkumar/AP,			**Assessment test, Feedback** K.Balasubramani/AP, M.Ramkumar/AP, J.Praveen Kumar/AP,			

HoD

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

Registration of Certificate Course (PCEMA01- Introduction to Energy Management and Auditing)

SI:NO	NAME	SIGNATURE OF THE STUDENTS
1.	AMALSHINO.C	Amalshino. C
2.	Aman Latheef.K	
3.	Ananda Raj. G	
4.	Harish B Dev	
5.	Jeevaranthan.A	
6.	J.KARTHICKRAJ	Karthikraj.J
7.	Manikandan.U	
8.	muthu.D	
9.	NAVEENRAJ.M	Raj
10.	Preethi.R	
11.	Salman faris.V	
12.	Sanjay Sandeep	
13.	Saravanan.R	
14.	SARMA.A.S	
15.	Saruhasan.P	
16.	Sarumathi.R	
17.	Shone Charly	
18.	SHRAVANTH.K	
19.	Sivaneshan.P	
20.	Soma sundaram	
21.	Sowmya	

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22.	Sugaanushya.K	
23.	Suviya.S.S	
24	Syam Madhav.P.K	
25.	Tabitha.T	
26.	Tamilvanan.S	
27.	Vasanthamani.M	
28.	Vignesh.B	
29.	VIGNESH.R	
30.	Vinoth.K	
31.	VINOTHRAJ.M	
32.	VISHNU.R	
33	~~Yadhav Krishnan~~	
34	Ragil	
35	PONNUVAIRAM	
36.	Mohammed Hakkim	
37.	Abdul Rahaman	
38	Mohammed diyaz	
39	SIDDHARATHA	
40	VISHNU.M.U	
41	GIED SOUNDHARIAN	
42	JAYASURYA.A.P	
43	Mangala Prakash.P	
44	PRASANNA.K	
45	Prathyush Habel Joseph	
46	ABDUL BASITH.M.P	

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47.	ABDUL HAMEED . A	
48.	Abhijith P Karthikeyan	
49.	Abishek . A	
50.	ADHARSH . M.K	
51.	Ahalya . P	
52	AISHWARY K.V	
53	AISWARYA ASOKAN.	
54	AJITH KUMAR . M	
55.	AJMAL . A . SALIM	

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Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROCHEMICAL ENGINEERING

SI:NO	NAME	08/09/2018	15/09/2018	22/09/2018	29/09/2018
1	AMAL SHINO.C				
2	AMAN LATHEEF.K				
3	ANANDARAJ.G				
4	HARISH B DEV				
5	JEEVANANTHAN.A				
6	KARTHIKRAJ.J				
7	MANIKANDAN U				
8	MUTHU.D				
9	NAVEEN RAJ.M				
10	PREETHI.R				
11	SALMAN FARIS.V				
12	SANJAY SANDEEP				
13	SARAVANAN R				
14	SARMA.A.S				
15	SARUHASAN.P				

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16	SARUMATHI.R				
17	SHONE CHARLY				
18	SHRAVANTH.K				
19	SIVANESHAN.P				
20	SOMA SUNDARAM.M				
21	SOWMYA				
22	SUGAANUSHUYA.K				
23	SURIYAA.S.A				
24	SYAM MADHAV P.K				
25	TABITHA.T				
26	TAMILVANAN.S				
27	VASANTHAMANI.M				
28	VIGNESH.B				
29	VIGNESH.R				
30	VINOTH.K				
31	VINOTH RAJ.M				
32	VISHNU.R				
33	YADHUKRISHNAN.J.S				

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

34	RAGIL				
35	PONNU VAIRAM –				
36	MOHAMMED HAKKIM				
37	ABDUL RAHAMAN				
38	MOHAMMED RIYAS				
39	SIDDHARATHA				
40	VISHNU.M.U				
41	GEO SOUNDARIAN				
42	JAYASURYA A.P				
43	MANGALA PRAKASH P				
44	PRASANNA K				
45	PRATHYASH HABEL JOSEPH				
46	ABDUL BASITH.M.I				
47	ABDUL HAMEED.A				
48	ABHIJITH P KARTHIKEYAN				
49	ABISHEK.A				
50	ADHARSH.M.R				
51	AHALYA.P				

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Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

52	AISHWARYA K.V				
53	AISWARYA ASOKAN				
54	AJITH KUMAR.M				
55	AJMAL.A.SALIM				
	K. Balasubramani				
	PRAVEEN KUMAR. J				
	M. Ram Kumar				

HOD / PCE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Students Feed back

Title: Introduction of Energy Management & Auditing
Date: 29/09/2018

For the following areas, please indicate your rating:

A. Content	1 Fair	2 Good	3 Very Good	4 Excellent
Covered useful material				✓
Practical to my needs and interests				✓
Well organized			✓	
Well paced		✓		
Presented at the right level			✓	
Effective activities				✓
Useful visual aids and hand-outs				✓
B. Presentation			✓	
Instructor's knowledge			✓	
Instructor's presentation style				✓
Instructor covered material clearly		✓		
Instructor responded well to questions				✓
Instructor facilitated interactions among participants well			✓	

C. How could this Course to be improved?	Need to improve the knowledge.
D. Any other comments or suggestions?	Responded well to the students.

E. Overall, how would you rate this Guest Lecture/Seminar?

[ ] POOR [ ] FAIR [✓] GOOD [ ] EXCELLENT

SIGNATURE

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Students Feed back

Title: INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING.
Date: 29-09-18

For the following areas, please indicate your rating:

A. Content	**1 Fair**	**2 Good**	**3 Very Good**	**4 Excellent**
Covered useful material		✓		
Practical to my needs and interests	✓			
Well organized		✓		
Well paced	✓			
Presented at the right level		✓		
Effective activities		✓		
Useful visual aids and hand-outs	✓			
B. Presentation				
Instructor's knowledge			✓	
Instructor's presentation style		✓		
Instructor covered material clearly			✓	
Instructor responded well to questions				✓
Instructor facilitated interactions among participants well				✓

C. How could this Course to be improved?	To develop the content in Energy Management.
D. Any other comments or suggestions?	Teaching level is Excellent.

E. Overall, how would you rate this Guest Lecture/Seminar?

[ ] POOR [ ] FAIR [✓] GOOD [ ] EXCELLENT

SIGNATURE

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JCT COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Certificate

This is to certify that Mr./~~Ms.~~ RAGIL has attended the course on "INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING", organized by Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 08/09/2018, 15/09/2018,22/09/2018 & 29/09/2018.

Head of the Department

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105

Principal

JCT College of Engineering and Technology
Pichanur, Coimbatore ,Tamil Nadu,INDIA. Pin: 641 105. Phone: +91 422 2636900 / +91 422 2636902 Fax: 91 422 2636901. Email:info@sjct.co.in Web: www.jct.ac.in

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JCT COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Certificate

This is to certify that Mr./~~Ms~~. PONNU VAIRAM has attended the course on "INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING", organized by Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 08/09/2018, 15/09/2018,22/09/2018 & 29/09/2018.

Head of the Department

Principal

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JCT COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Certificate

This is to certify that Mr./~~Ms~~. YADHUKRISHNAN.J.S has attended the course on "INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING", organized by Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 08/09/2018, 15/09/2018,22/09/2018 & 29/09/2018.

Head of the Department

Principal

JCT College of Engineering and Technology
Pichanur, Coimbatore ,Tamil Nadu,INDIA. Pin: 641 105. Phone: +91 422 2636900 / +91 422 2636902 Fax: 91 422 2636921. Email:info@sjct.co.in Web: www.jct.ac.in

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JCT COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Certificate

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Head of the Department

Prindipal

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JCT COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Certificate

This is to certify that Mr./~~Ms.~~ VINOTH RAJ. M has attended the course on "INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING", organized by Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 08/09/2018, 15/09/2018,22/09/2018 & 29/09/2018.

Head of the Department

Principal

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Register No: 120915139111

T. TARITHA

19

20

JCT College of Engineering and Technology
Coimbatore-105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING

Answer all questions (20 x 1=20)

1. Which of the following is not a financial indicator?
   a) CPM b) IRR c) NPV d) ROI

2. Which of the following is not a flexible mechanism under Kyoto protocol?
   a) Emission trading b) Joint implementation c) CDM d) Sectoral approaches.

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4. Proposed new technologies, process modifications, equipment replacements are the elements of
   a) Financing b) Contracting c) Technical design d) Implementation

5. The world average per capital CO_2 emission is tons per annum.
   a) 0.93 b) 2.2 c) 3.87 d) 4.53

6. While plotting a CUSTUM Chart it is observed that CUSTUM during previous month was 12, the same during the current month will be
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8. Which among the following are elements of project management?
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a) 860 b) 0.86 c) 8600 d) 86000

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Register No: 7209 15189075
Pannuvaram

18/20

JCT College of Engineering and Technology
Coimbatore-105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING

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Register No: 720915139106.

Soumya.

JCT College of Engineering and Technology
Coimbatore-105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING

17/20

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Register No: 720915139099.
K. Shravanth

18/20

JCT College of Engineering and Technology
Coimbatore-105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING

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Register No: 7209151139065

D. Muthu

18/20

JCT College of Engineering and Technology
Coimbatore-105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING

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JCT
College of Engineering and Technology

From

Head of the Department

Department of Petrochemical Engineering,

JCT College of Engineering and Technology,

Coimbatore - 641105.

To

The Principal

JCT College of Engineering and Technology,

Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a value added course on on **"TRENDS AND DEVELOPMENTS IN PETROLEUM EXPLORATION AND TECHNOLOGY"** from **28.06.2015 to 01.07.2015** (4 days) for **third year** students. I request you to give permission for the above on suitable dates.

Thanking you

Yours Sincerely,

Dr.S. Venkatesa Prabhu

20.05.2015

PRINCIPAL

JCT College of Engineering and Technology
Pichanur, Coimbatore-641105

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.05.2017

Our Department is conducting a 4 day course on **"TRENDS AND DEVELOPMENTS IN PETROLEUM EXPLORATION AND TECHNOLOGY"** from **28.06.2015 to 01.07.2015** (4 days) for **third year** students. The classes are taken by Dr S Venkatesh Prabhu of Petroleum Department. Interested students can contact your Class advisor for correspondence and more details.

Time: 9am to 4 pm

HOD-PE

JCT College of Engineering and Technology
Pichanur, Coimbatore 641 105

Circulation to:

- III PE Class Room
- To be displayed on Notice Board.

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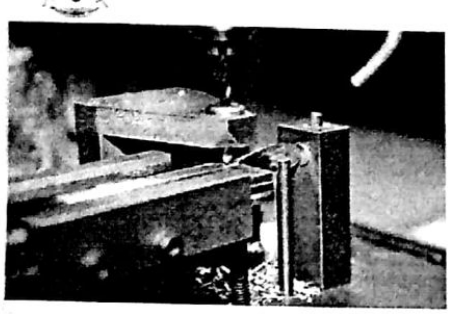

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641105

DEPARTMENT OF PETROLEUM ENGINEERING

VALUE ADDED COURSE 2018-19

INTENDED AUDIENCE : B.E/B.Techthird year Petroleum Engineering Students

INDUSTRIES APPLICABLE TO: All industries

COURSE OUTLINE :

This course introduces the concepts of particle mechanics and demonstrates their applications.

COURSE PLAN :

- **Day 1**-Advancing Systems and Technologies to Produce Cleaner Fuels
- **Day 2**- Emerging Research Opportunities
- **Day 3**- Environmental Challenges for Unconventional Oil and Gas
- **Day 4**- Offshore Oil Spill Prevention

NDS AND DEVELOPMENTS IN ETROLEUM EXPLORATION AND TECHNOLOGY

S VENKATESH BABU
DEPT OF PETROLEUM ENGINEERING
JCT COLLEGE OF TECHNOLOGY

TYPE OF COURSE : New | Core | UG
DURATION: 3 days
28.06.2018-01.07.2019

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

NAME LIST

Academic year 2018-2019

Name of the Academy: JCT

Name of the Program: TRENDS IN PETROLEUM INDUSTRY

no	Student name	
1	ABHIJITH.P.J	720916219001
2	ABHINAND.O.V	720916219002
3	ABINESHWARAN	720916219003
4	ADWAIDH.K.S	720916219005
5	AJAYKRISHNAN.K	720916219006
6	AJITHKUMAR.A	720916219007
7	BASHIDH B	720916219008
8	DEVA PRAKASH.R	720916219009
9	GOKULAKRISHNAN M	720916219010
10	HAROLD EPHRAIM	720916219012
11	JAMES M BERNARDOSE	720916219013
12	JAYAKARTHIKEYAN.N	720916219014
13	JOSEPH ANTO	720916219015
14	KANNAN.M	720916219016
15	KARAN.G	720916219017
16	KARTHICK.N	720916219018
17	KIRAN.A.R	720916219019
18	MAGESH.M	720916219021
19	MOHAMED IQBAL M S	720916219022
20	MUHAAMED IRFAN UROTHIYIL	720916219023
21	NAVEEN G.R	720916219024
22	NETHAJI.K	720916219025
23	NIKHIL.U.N	720916219026
24	NISHANTHI.N	720916219027
25	PRAVEEN KUMAR.A	720916219029
26	PRAVEEN KUMAR.R	720916219030

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TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

29	MAHATHEER MOHAMED.M	720917219032
30	MOHAMMED SHAHIN	720917219033
31	MUHAMMED AKASH.M.K	720917219034
32	MUHAMMED JASIL.P.K	720917219035
33	MUHAMMED SHEZIN	720917219036
34	MUSTAQ AHAMED.A	720917219037
35	NABEEL NOUSHAD	720917219038
36	NANTHAKUMAR S	720917219039
37	NAVANEETHAN.N	720917219040
38	NAVEEN.R	720917219041
39	NAWIN T	720917219042
40	NETHAJI.P	720917219043
41	PAVITHRAN.K	720917219045
42	PRADEESH M	720917219046
43	RAGHUL KANNAN.R.S	720917219047
44	RUBINTOM.J	720917219049
45	SACHIN KUMAR SINGH	720917219050
46	SAJIN K	720917219051
47	SALMANKHAN.S	720917219052
48	SANTHA KUMAR.M	720917219053
49	SRIRAM S R	720917219054
50	SUNDARAPANDIAN.M	720917219055
51	VEERAPANDIAN M S	720917219058
52	VISHNU.T.S	720917219059
53	VISHNU PALACHUVATTIL	720917219060
54	HARIHARAN.S	720917219301
55	ADERSH.M A	720917219501
56	ANSIF MOHAMMED S.T	720917219502

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR VALUE ADDED COURSE

Academic year 2018-2019

Name of the Academy: JCT

Name of the Program: TRENDS IN PETROLEUM INDUSTRY

no	Student name	28/6	29/6	30/6	1/7
1	ABHIJITH.P.J	✓	✓	✓	✓
2	ABHINAND.O.V	✓	✓	✓	✓
3	ABINESHWARAN	✓	✓	✓	✓
4	ADWAIDH.K.S	✓	✓	✓	✓
5	AJAYKRISHNAN.K	✓	✓	✓	✓
6	AJITHKUMAR.A	✓	✓	✓	✓
7	BASHIDH B	✓	✓	✓	✓
8	DEVA PRAKASH.R	✓	✓	✓	✓
9	GOKULAKRISHNAN M	✓	✓	✓	✓
10	HAROLD EPHRAIM	ab	✓	✓	✓
11	JAMES M BERNARDOSE	✓	✓	✓	✓
12	JAYAKARTHIKEYAN.N	✓	✓	✓	✓
13	JOSEPH ANTO	✓	✓	ab	✓
14	KANNAN.M	✓	✓	✓	✓
15	KARAN.G	✓	✓	✓	✓
16	KARTHICK.N	ab	✓	✓	✓
17	KIRAN.A.R	ab	✓	✓	✓
18	MAGESH.M	✓	✓	✓	✓
19	MOHAMED IQBAL M S	✓	✓	✓	✓
20	MUHAAMED IRFAN UROTHIYIL	✓	✓	ab	✓
21	NAVEEN G.R	✓	✓	✓	✓
22	NETHAJI.K	✓	✓	✓	✓
23	NIKHIL.U.N	✓	✓	✓	ab
24	NISHANTHI.N	✓	✓	✓	ab
25	PRAVEEN KUMAR.A	✓	✓	✓	✓
26	PRAVEEN KUMAR.R	✓	✓	✓	✓

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COIMBATORE 641 105

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DEPARTMENT OF PETROLEUM ENGINEERING

27	RAHMATHULLAH K	✓	✓	✓	✓
28	RAHMATHULLAH K	✓	✓	✓	✓
29	REYNOLD.M	✓	✓	✓	✓
30	REYNOLD.M	✓	✓	✓	✓
31	SANGEETHA.G	✓	✓	✓	✓
32	SARAVANA KUMAR S	✓	✓	✓	✓
33	SARAVANAN.P	✓	✓	✓	✓
34	SELVA ABIMANYU.R	✓	✓	✓	✓
35	SHUHAID.M	✓	✓	✓	✓
36	VIJAY.V	✓	✓	✓	✓
37	ARUN.S	✓	✓	✓	✓
38	THISHON J				
39	THISHON J	✓	✓	✓	✓
40	ADERSH.M A	ab	✓	✓	✓
41	ANSIF MOHAMMED S.T	ab	✓	✓	✓

HOD
Deparment of Petroleum Engineering

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Pichanur, Coimbatore-641105

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms GOKULAKRISHNAN M

has successfully completed the 4 day Course on Trends And Developments In Petroleum Exploration And Technology from 28.06.2018 to 01.07.2018

HoD/PE

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JCT College of Engineering and Technology

Principal

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Pichanur, Coimbatore-641105

TÜV AUSTRIA

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms DEVA PRAKASH.R

has successfully completed the 4 day Course on Trends And Developments In Petroleum Exploration And Technology from 28.06.2018 to 01.07.2018

PRINCIPAL
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Pichanur, Coimbatore-641105

TÜV AUSTRIA

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABINESHWARAN

has successfully completed the 4 day Course on Trends And Developments In Petroleum Exploration And Technology from 28.06.2018 to 01.07.2018

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TÜV AUSTRIA

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABHINAND.O.V

has successfully completed the 4 day Course on Trends And Developments In Petroleum Exploration And Technology from 28.06.2018 to 01.07.2018

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TÜV AUSTRIA

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABHIJITH.P.J

has successfully completed the 4 day Course on Trends And Developments In Petroleum Exploration And Technology from 28.06.2018 to 01.07.2018

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HoD/PE

Principal

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2018-

JCT

From

Head of the Department

Department of Petrochemical Engineering,

JCT College of Engineering and Technology,

Coimbatore - 641105.

To

The Principal

JCT College of Engineering and Technology,

Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a value added course on **"OIL AND GAS OFFSHORE SAFTEY ENGINEERING"** from **18.06.2018 to 21.06.2018** (4 days) for **second year** students.. I request you to give permission for the above on suitable dates.

Thanking you

Yours Sincerely,

Dr.S Venkateshbabu

30.05.2018

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Pichanur, Coimbatore-641105

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
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TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.05.2018

Our Department is conducting a course on **"OIL AND GAS OFFSHORE SAFTEY ENGINEERING"** from **16.06.2018 to 21.06.2018** (4 days) for **second year** students. The classes are taken by S Balachandran of Petroleum Department. Interested students can contact your Class advisor for correspondence and more details.

Time: 9 am to 4pm

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Pichanur, Coimbatore

HOD-PE

Circulation to:

- II PE Class Room
- To be displayed on Notice Board.

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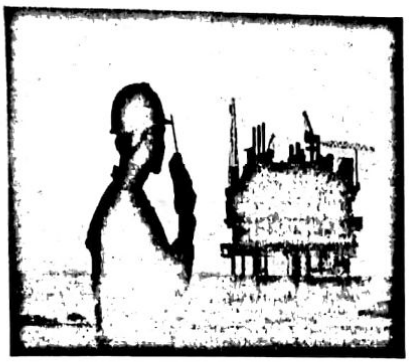

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641105

DEPARTMENT OF PETROLEUM ENGINEERING

VALUE ADDED COURSE 2018-19

OIL AND GAS OFFSHORE SAFTEY

S.BALACHANDRAN
DEPT OF PETROLEUM ENGINEERING
JCT COLLEGE OF TECHNOLOGY

TYPE OF COURSE :RE, UG

DURATION: 4 days

18.06. 2018-21.06. 2018

INTENDED AUDIENCE : B.E/B.Tech, Second Year Students

INDUSTRIES APPLICABLE TO: Oil and Petroleum Companies, Safety Executive Teams.

COURSE OUTLINE :

The course will give an overview of the safety issues encountered in the petroleum industry. It will provide detailed understanding of the methods and techniques to resolve these key issues for making petroleum production and processing, cleaner and safer. This course would educate the participants to identify and assess hazards in any stage of operation, to quantify and manage them as well. This course will also highlight lessons learnt from the past accidents.

COURSE PLAN :

- **Day 1**- Safety assurance, Safety in design and operations.
- **Day** 2-Organizing for safety, Hazard classification and assessment.
- **Day 3**-Hazard evaluation and control, HAZOP.
- **Day 4**-Dose assessment, safety regulations, Toxic releases-models and methods.

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DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR VALUE ADDED COURSE

Academic year 2018-2019

Name of the Academy: JCT

Name of the Program: OIL AND GAS OFFSHORE SAFTEY

no	Student name	18/6.	19/6	20/6	21/6.
1	ADARSH CHANDRAN	✓	✓	✓	✓
2	ADHIDEV KRISHNA P J	✓	✓	✓	✓
3	AISWARYA B	✓	✓	✓	✓
4	AJAY S M	✓	✓	✓	✓
5	AJAY C SURESH	✓	✓	✓	✓
6	AKILESH K	✓	✓	✓	✓
7	AMRITHA N KRISHNA	✓	✓	✓	✓
8	ANAND M.V	✓	✓	✓	✓
9	ARUN CHAND	✓	✓	✓	✓
10	ASHIN.S.S	✓	✓	✓	✓
11	ASHOK KUMAR V	✓	✓	✓	✓
12	BRIGHTON BALAN.J	✓	✓	✓	✓
13	DHANUSH.P	ab	✓	✓	✓
14	DHINESHKUMAR G	✓	✓	✓	✓
15	DHIVAKAR.S	✓	✓	✓	✓
16	DIBISH.J	✓	✓	✓	✓
17	ESAKKI SELVAM.M	✓	✓	✓	✓
18	GNANASEKARAN.S	✓	✓	✓	✓
19	HARIKRISHNAN.V		✓	✓	✓
20	HARIKRISHNAN.N.VINOD	✓	ab	✓	✓
21	HRITHIK PRAKASAN	✓	✓	✓	✓
22	JUTEN PETER LEON	✓	✓	✓	✓
23	KANNAN.V.S	✓	✓	✓	✓
24	KAVIYARASU.M	✓	✓	✓	✓
25	KISHORE C	✓	✓	✓	✓
26	LAVANYA B	✓	✓	ab	✓
27	LIBIN JOSEPH	✓	✓	ab	✓

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COIMBATORE 641 105

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DEPARTMENT OF PETROLEUM ENGINEERING

28	MAHARAJA.M	✓	✓	✓	✓
29	MAHATHEER MOHAMED.M	✓	✓	✓	✓
30	MOHAMMED SHAHIN	✓	✓	✓	✓
31	MUHAMMED AKASH.M.K	✓	✓	✓	✓
32	MUHAMMED JASIL.P.K	✓	✓	✓	✓
33	MUHAMMED SHEZIN	✓	✓	✓	✓
34	MUSTAQ AHAMED.A	✓	✓	✓	✓
35	NABEEL NOUSHAD	✓	✓	ab	✓
36	NANTHAKUMAR S	✓	✓	✓	✓
37	NAVANEETHAN.N	✓	✓	✓	✓
38	NAVEEN.R	✓	✓	✓	✓
39	NAWIN T	✓	✓	✓	✓
40	NETHAJI P	✓	✓	✓	✓
41	PAVITHRAN.K	✓	✓	✓	✓
42	PRADEESH M	✓	✓	✓	✓
43	RAGHUL KANNAN.R.S	✓	✓	✓	✓
44	RUBINTOM.J	✓	✓	✓	✓
45	SACHIN KUMAR SINGH	✓	✓	✓	✓
46	SAJIN K	✓	✓	✓	✓
47	SALMANKHAN.S	✓	✓	✓	✓
48	SANTHA KUMAR.M	✓	✓	✓	✓
49	SRIRAM S R	✓	ab	✓	✓
50	SUNDARAPANDIAN M	✓	✓	✓	✓
51	VEERAPANDIAN M S	✓	✓	ab	✓
52	VISHNU.T.S	✓	✓	✓	✓
53	VISHNU PALACHUVATTIL	✓	✓	✓	✓
54	HARIHARAN.S	ab	✓	✓	ab
55	ADERSH.M A	ab	✓	✓	✓
56	ANSIF MOHAMMED S.T	✓	✓	✓	✓

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Department of Petroleum Engineering
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Pichanur, Coimbatore-641105

Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ARUN CHAND

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 18.06.2018 to 21.06.2018.

HoD/PE

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Pichanur, Coimbatore-641105

Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ANAND M.V

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 18.06.2018 to 21.06.2018.

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Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AISWARYA B

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 18.06.2018 to 21.06.2018.

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Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ADHIDEV KRISHNA P J

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 18.06.2018 to 21.06.2018.

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Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ADARSH CHANDRAN

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 18.06.2018 to 21.06.2018.

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VALUE ADDED COURSE

VALUE ADDED COURSE	RESOURCE PERSON	DATE OF REQUEST	EVENT DATE	TOTAL NO. OF PARTICIPANTS REGISTERED	NUMBER OF STUDENTS ATTENDED	NUMBER OF STUDENTS QUALIFIED
2018-19						
3D PRINTING OF FOODS	**Dr. Senthil Ram,** Managing Director, Dr. Grill, Coimbatore	03.06.2019	11/06/2019-19/06/2019	40	32	32
2017-18						
HIGH PRESSURE PROCESSING AND PACKAGING	**Dr P.Banumathi,** Professor, TNAU, Coimbatore	04.06.2018	06/06/2018-14/06/2018	32	32	32
2016-17						
DEVELOPMENTS IN EXTRUDED FOODS	**Mr.Nelson Hillary** Nestle Food Products Pvt. Ltd.	18/12/2017	20/12/2017-29/12/2017	48	44	44
GREEN BIOTECHNOLOGY FOR FOOD SECURITY	**Mr. Prakash. J** Senthil Pappain Pvt Ltd., Veerappanur, coimbatore	5.06.2017	12/06/2017 – 19/06/2017	52	44	44

HoD/FT

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2018-19

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Food Technology

03.06.2019

From

Mrs. J. Esther Hellan Prasanna
Association Coordinator,
Department of Food Technology,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Through

The Head of the Department/FT,

Respected Sir,

*Subject: Requisition for your kind approval to conduct a course on "**3D PRINTING OF FOODS**" at our campus-Reg.*

The Food Technology Department has planned to conduct a course on ***"3D PRINTING OF FOODS"*** for the IV FT Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Faculty Name	Organized by	Date
1	Value Added Course	Dr. Senthil Ram, Managing Director, Dr. Grill, Coimbatore	Department of FT	11/06/2019-19/06/2019

Thanking you

Note: The content of this course is not a part of regular curriculum.

Association Co-ordinator **HoD** **Principal**

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

03/06/2019

CIRCULAR

DEPARTMENT OF FOOD TECHNOLOGY

It is proposed to conduct a course (3D PRINTING OF FOODS) **on 11/06/2019 to 20/06/2019 for Final year Food Technology Students.** This is used to provide a great ideas and their scenario of the concept of 3D printing of foods. So the interested students are advised to register their name to the course coordinator.

HOD/FT

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Dr. Grill

Whenever Ram-an academic and his business partner Anand-an IT professional had parties, only they relished the locally available rotisserie grill chicken. Their families, particularly kids could not enjoy the chicken due to high spicy levels apart from the inconsistent taste and obvious food safety issues.

This landed them in lot of trouble with family, to put it mildly. While their attempt to find rotisserie grilled chicken suitable for family party was met with disappointment, their eyes became wider sensing the possible business opportunity. Whenever Ram-an academic and his business partner Anand-an IT professional had parties, only they relished the locally available rotisserie grill chicken. Their families, particularly kids could not enjoy the chicken due to high spicy levels apart from the inconsistent taste and obvious food safety issues. This landed them in lot of trouble with family, to put it mildly. While their attempt to find rotisserie grilled chicken suitable for family party was met with disappointment, their eyes became wider sensing the possible business opportunity.

They started visiting every other grilled chicken restaurant in Coimbatore and tasted and studied what was available in the market and researched the business potential. Whoever they asked to name the restaurant that served the best grilled chicken, could not come up with a name or seem puzzled! Bingo! Both decided their restaurant will strive to earn that name not only locally but also globally.

With further research, coupled with Ram's experience in barbecue and grilling from Australia and Anand's experience in digital marketing and their combined experience in business development, culminated in a restaurant business proposal. They envisioned a fast-casual restaurant offering 'deliciously healthy' grilled chicken that is family focused and freshly prepared and becoming an alternative to fried chicken served in fast food restaurants. Thus born Dr.Grill!

Soon joined by two of their friends as seed funders, they have started their wonderful journey in the good food movement. Now they are really enjoying the peace with family and not to say the perfectly grilled chicken-most of the time alone.

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DEPARTMENT OF FOOD TECHNOLOGY

COURSE	COURSE NAME	TOTAL HOURS
FTCC08	3D PRINTING OF FOODS	30

Course Objectives:

1) To enable the students to understand the concept of 3d printing of foods
2) To educate the students to understand the principles of 3d printing
3) To know well about the Global Energy scenario

Course Outcome:

- Students will be able to understand the different methods of printing used to minimize the energy cost and their scenario

Detailed Syllabus	Hours
Introduction Types of 3D food printers o Fused deposition modeling chocolate printers o Fused deposition modeling food printers o Low-end and 2D food printers o Open source printers o Sintering o Binder jetting Technology o Materials Suitable models for 3D printing 3D food printers in education 3D Food printing for a better world	30

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DEPARTMENT OF FOOD TECHNOLOGY
TIMETABLE FOR VALUE ADDED COURSE
Academic Year : 2018-19

NAME OF THE PROGRAM : 3D Printing of Foods

RESOURCE PERSON : **Dr. Senthil Ram,** Managing Director, Dr. Grill, Coimbatore

Period/Time	Year / Sem	I	II		III	IV
11.06.2019	IV/VII	INAUGURATION			Introduction to 3D Printing of foods	
12.06.2019	IV/VII	Fused deposition modeling chocolate printers			Fused deposition modeling food printers	
13.06.2019	IV/VII	Low-end and 2D food printers		LUNCH BREAK	Open source printers	
14.06.2019	IV/VII	Sintering			Binder jetting Technology	
17.06.2019	IV/VII	Materials Suitable models for 3D printing			3D food printers in education	
18.06.2019	IV/VII	3D Food printing for a better world			3D Foo l printing for a better world	
19.06.2019	IV/VII	ASSESMENT & REPORT			VALEDICTORY FUNCTION	

Association Co-ordinator

HoD

Principal

JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

STUDENTS ENROLLED FOR VALUE ADDED COURSE

3D PRINTING OF FOODS

S.NO.	REG NO.	NAME OF THE STUDÈNT
1.	720916218002	AISWARYA KRISHNA
2.	720916218003	AKHIL PHILIP
3.	720916218004	ARAVINDH A
4.	720916218005	ARULMANI.P
5.	720916218006	AYANA.P.SANTHOSH
6.	720916218008	DAKSHAN KUMAR. N
7.	720916218010	DRISYA.C
8.	720916218011	ELAKIYA.R
9.	720916218014	HARI PRIYA.R.S
10.	720916218015	JINY MATHEW
11.	720916218018	KRIPA THAMBY
12.	720916218019	LAKSHMI KRISHNA
13.	720916218027	MOHAMMED SHABEER.C.K
14.	720916218033	NANET ANNIE.G
15.	720916218034	NITHI.J
16.	720916218035	NITHIN DAS
17.	720916218036	PRIYANKA.S
18.	720916218037	PRIYA WILSON
19.	720916218039	RESHMA RAZAK
20.	720916218040	SALIH .P
21.	720916218041	SANDHYA .S
22.	720916218042	SANGAVI.V
23.	720916218043	SANSKKRITA M D
24.	720916218044	SHAHMA.C
25.	720916218046	SHALINI.G

26.	720916218048	SOWMIYA.R
27.	720916218049	SREELAKSHMI.P
28.	720916218050	SUBASRRI.G
29.	720916218053	SURYA MEENA.R
30.	720916218054	SWETHA K
31.	720916218055	TAMIZHARASAN.G
32.	720916218056	VENI SATHEESAN.P.K
33.	720915218036	SANKAR.E
34.	720915218038	SELVA MUTHU KUMAR
35.	720915218039	SHARAFUDHEEN.K
36.	720915218042	SHYAM.S
37.	720915218043	SUDHAGAR.T
38.	720915218044	SUMITHRA.P
39.	720915218045	SURYA.S
40.	720915218046	THILAKRAJ.P

HOD/FT

PRINCIPAL

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

STUDENTS ATTENDANCE FOR VALUE ADDED COURSE

3D PRINTING OF FOODS

Academic year 2018-19

Name of the Trainer: Mr. Ayyappan

S.NO.	REG NO.	NAME OF THE STUDENT	12/6	13/6	14/6	17/6	18/6	19/6				
1.	720916218002	AISWARYA KRISHNA	/	/	/	/	/	/				
2.	720916218003	AKHIL PHILIP	/	/	/	/	/	/				
3.	720916218004	ARAVINDH A	/	/	/	/	/	/				
4.	720916218005	ARULMANI.P	/	/	/	/	/	/				
5.	720916218006	AYANA.P.SANTHOSH	/	/	/	/	/	/				
6.	720916218008	DAKSHAN KUMAR. N	/	/	/	/	/	/				
7.	720916218010	DRISYA.C	/	/	/	/	/	/				
8.	720916218011	ELAKIYA.R	/	/	/	/	/	/				
9.	720916218014	HARI PRIYA.R.S	/	/	a	/	/	/				
10.	720916218015	JINY MATHEW	/	/	/	/	/	/				
11.	720916218018	KRIPA THAMBY	/	/	/	/	/	/				
12.	720916218019	LAKSHMI KRISHNA	/	/	/	/	/	/				
13.	720916218027	MOHAMMED SHABEER.C.K	/	/	/	/	/	/				
14.	720916218033	NANET ANNIE.G	/	/	/	/	/	/				
15.	720916218034	NITHI.J	/	/	/	/	/	/				
16.	720916218035	NITHIN DAS	/	/	/	/	/	/				
17.	720916218036	PRIYANKA.S	/	/	/	/	/	/				
18.	720916218037	PRIYA WILSON	/	/	/	/	/	/				
19.	720916218039	RESHMA RAZAK	/	/	/	/	/	/				
20.	720916218040	SALIH .P	a	a	/	/	/	/				
21.	720916218041	SANDHYA .S	/	/	/	/	/	/				

22.	720916218042	SANGAVI.V	✓	✓	✓	✓	✓	✓	✓				
23.	720916218043	SANSKKRITA M D	✓	✓	✓	✓	✓	✓	✓				
24.	720916218044	SHAHMA.C	✓	✓	✓	✓	✓	✓	✓				
25.	720916218046	SHALINI.G	✓	✓	✓	✓	✓	✓	✓				
26.	720916218048	SOWMIYA.R	✓	✓	✓	✓	✓	✓	✓				
27.	720916218049	SREELAKSHMI.P	✓	✓	✓	✓	✓	✓	✓				
28.	720916218050	SUBASRRI.G	✓	✓	✓	✓	✓	✓	✓				
29.	720916218053	SURYA MEENA.R	✓	✓	✓	✓	✓	✓	✓				
30.	720916218054	SWETHA K	✓	✓	✓	✓	✓	✓	✓				
31.	720916218055	TAMIZHARASAN.G	✓	✓	a	✓	✓	✓	✓				
32.	720916218056	VENI SATHEESAN.P.K	✓	✓	✓	✓	✓	✓	✓				

HOD/FT

PRINCIPAL

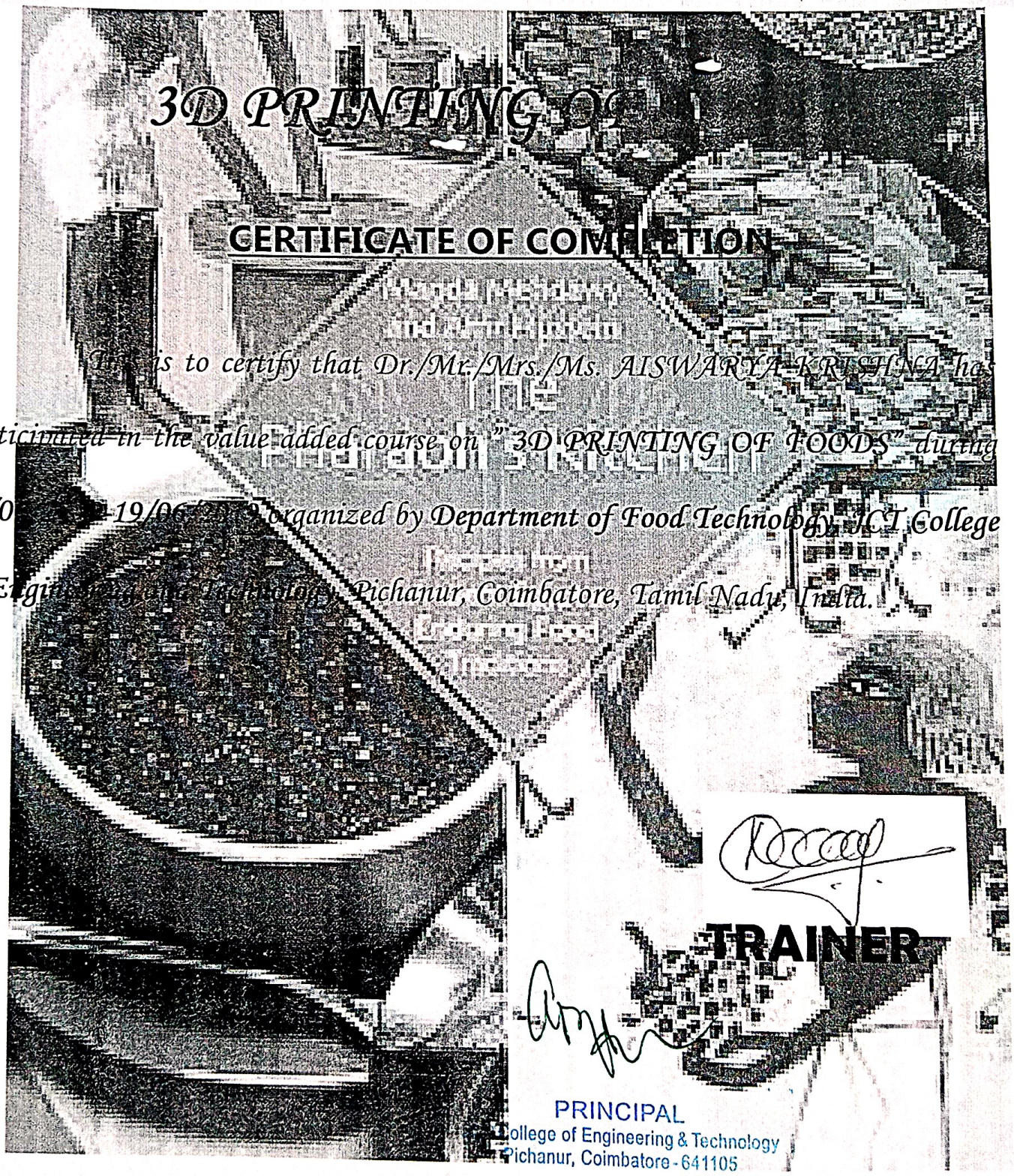
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

fssai

FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA

Inspiring Trust, Assuring Safe & Nutritious Food

Ministry of Health and Family Welfare, Government of India



3D PRINTING OF

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. AISWARYA KRUSHNA has participated in the value added course on "3D PRINTING OF FOODS" during 11/0[illegible]19/06/20[illegible] organized by Department of Food Technology, JCT College of Engineering and Technology, Pichanur, Coimbatore, Tamil Nadu, India.

TRAINER

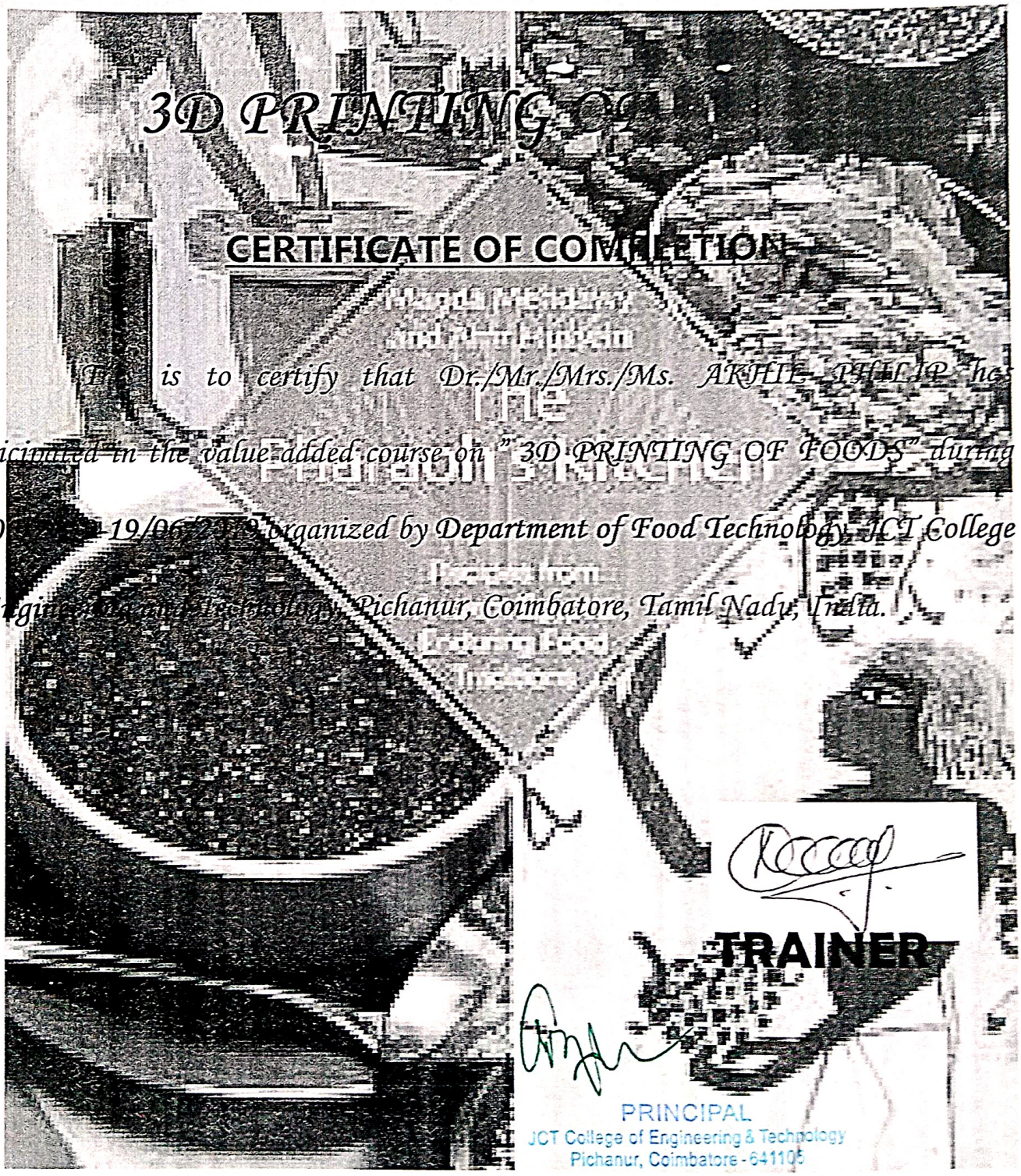
PRINCIPAL
College of Engineering & Technology
Pichanur, Coimbatore - 641105

fssai

FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA

Inspiring Trust, Assuring Safe & Nutritious Food

Ministry of Health and Family Welfare, Government of India



3D PRINTING OF FOODS

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. AKHIL PHILIP has participated in the value added course on "3D PRINTING OF FOODS" during 11/06/2019-19/06/2019 organized by Department of Food Technology, JCT College of Engineering & Technology, Pichanur, Coimbatore, Tamil Nadu, India.

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Pichanur, Coimbatore - 641105

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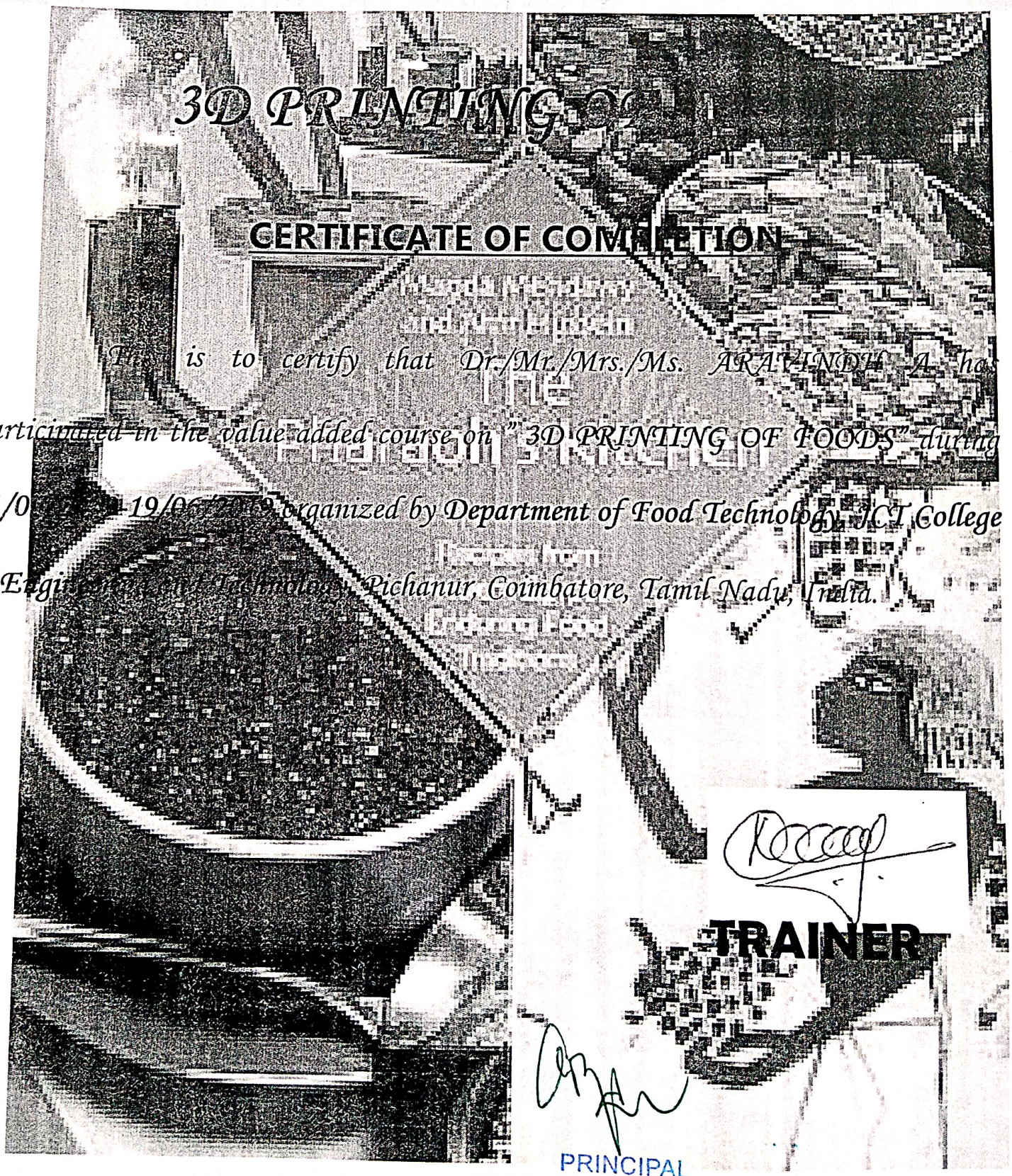
FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA

Inspiring Trust, Assuring Safe & Nutritious Food

Ministry of Health and Family Welfare, Government of India



3D PRINTING OF FOODS

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. ARAVINDH A has participated in the value added course on "3D PRINTING OF FOODS" during 11/06/2019 to 19/06/2019 organized by Department of Food Technology, JCT College of Engineering and Technology, Pichanur, Coimbatore, Tamil Nadu, India.

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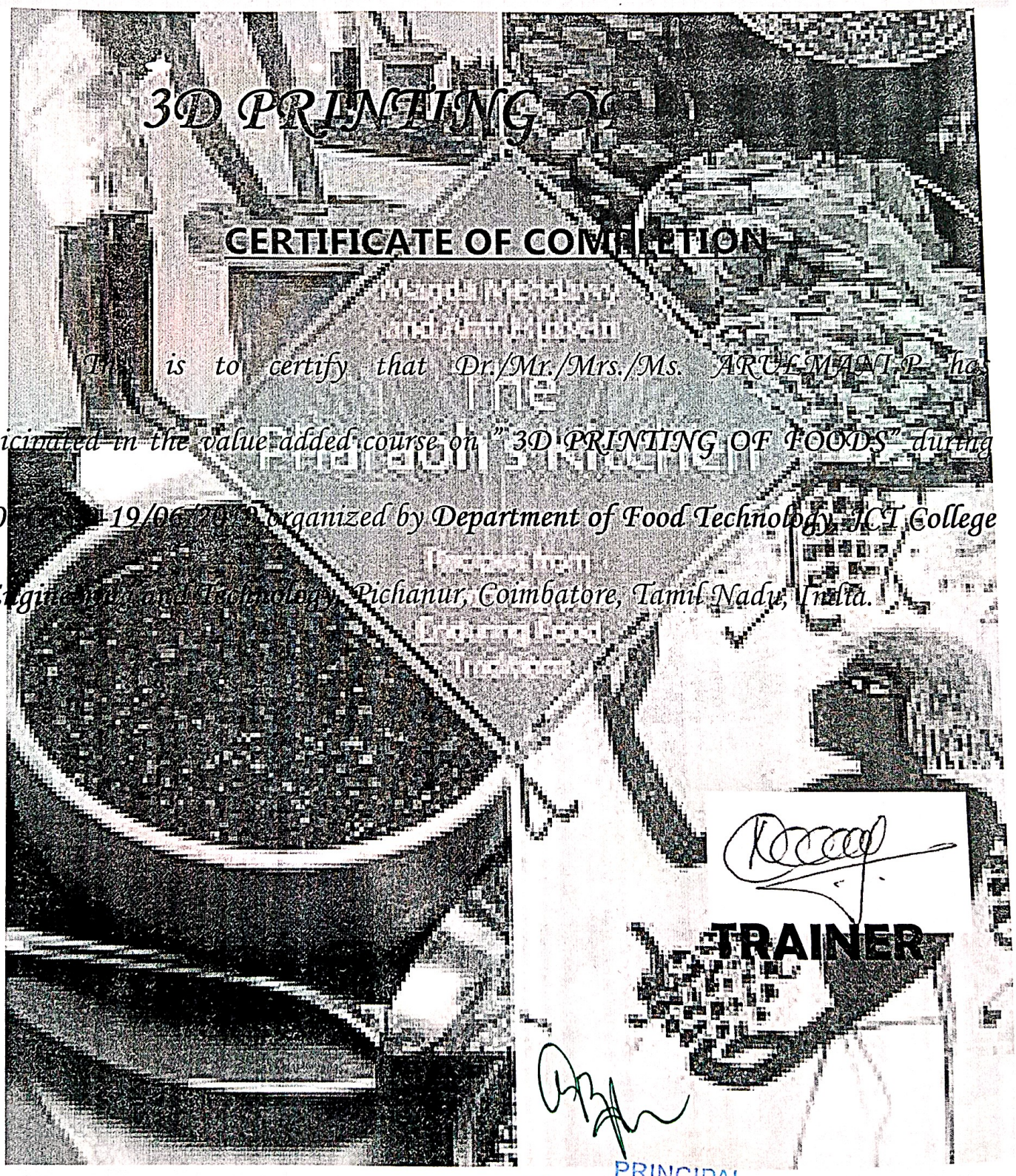
Pichanur, Coimbatore - 641105

fssai

FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA

Inspiring Trust, Assuring Safe & Nutritious Food

Ministry of Health and Family Welfare, Government of India



3D PRINTING OF FOODS

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. ARUL MANI P has participated in the value added course on "3D PRINTING OF FOODS" during 11/06/2019-19/06/2019 Organized by Department of Food Technology, JCT College of Engineering and Technology, Pichanur, Coimbatore, Tamil Nadu, India.

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Pichanur, Coimbatore-641105

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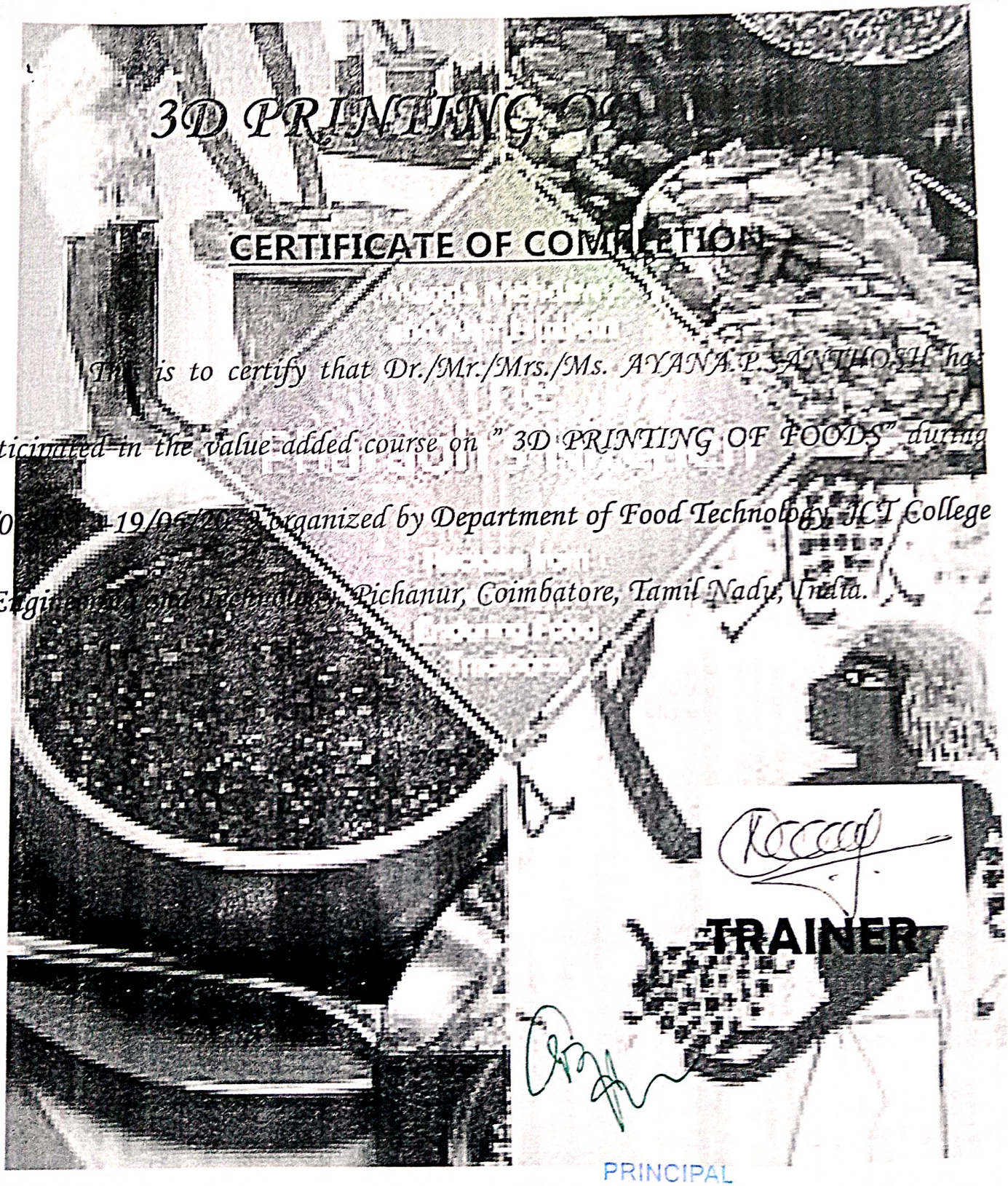
FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA

Inspiring Trust, Assuring Safe & Nutritious Food

Ministry of Health and Family Welfare, Government of India



3D PRINTING OF FOODS

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. AYANA.P.SANTHOSH has participated in the value added course on " 3D PRINTING OF FOODS" during 11/0[illegible]-19/06/20[illegible] organized by Department of Food Technology, JCT College of Engineering and Technology, Pichanur, Coimbatore, Tamil Nadu, India.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Science And Humanities

4.07.2018

From

Dr. V. Arun,
Association Coordinator,
Department of S & H,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Through

The Head of the Department /S & H,

Respected Sir,

Subject: Requisition for your kind approval to conduct an Course on "**Competitive Exam Guidance**" at our campus-Reg.

The S&H Department has planned to conduct an Courses on "**Competitive Exam Guidance**" for I year Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Faculty Name	Organized by	Date
1	Competitive Exam Guidance	Mr. R. Srikumar, Department of Mathemathematics, Science and Humanities, JCT College of Engineering and Technology, Coimbatore	Department of S&H	27.08.18 28.08.18 29.08.18 30.08.18

Thanking you

Association Co-ordinator
[Dr. V. Arun]

Principal
[Dr. G. Ramesh]

HOD
[Dr.C. Sivakumar]

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

DEPARTMENT OF SCIENCE AND HUMANITIES

Circular

06.08.18

Our Department is willing to conduct a course on **"Competitive Exam Guidance"** for our First Year students for 4 days. The details are given below. The students are instructed to attend the course without fail.

S.NO.	Name of the Event	Faculty Name	Organized by	Date
1	**Competitive Exam Guidance**	Mr. R. Srikumar, Department of Mathematics, Science and Humanities, JCT College of Engineering and Technology, Coimbatore	Department of S&H	27.08.18 28.08.18 29.08.18 30.08.18

Association coordinator

HOD/ S &H

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641 105

To

Class Advisor and Tutors of I year students (To be read in the class room) and all the faculty members of S &H dept.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Science And Humanities

COMPETITIVE EXAM GUIDANCE

1. Aptitude
2. Logical Reasoning
3. English Comprehension

Signature of HOD.

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Science And Humanities

TIME TABLE

COMPETITIVE EXAM GUIDANCE

NAME OF TRAINER: MR. R. SRIKUMAR

(Academic year 2018-2019)

DAY	9.10 am– 12.30am	12.30-1.20 PM	1.20 pm – 4.20 pm
27.08.18	Aptitude	LUNCH BREAK	Aptitude
28.08.18	Logical Reasoning		Logical Reasoning
29.08.18	Logical reasoning problems		Logical reasoning problems
30.08.18	English Comprehension		English Comprehension

HOD

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

PRINCIPAL

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JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I CIVIL		
S. No	**REG.NO**	**Name of the Student**
1	720918102001	AASIF S
2	720918102002	ADWAITH SUJITH
3	720918102003	AKSHAY T H
4	720918102004	BHARATH KANNAN M
5	720918102005	CYRIL GEORGE
6	720918102006	DIJO JOSEPH
7	720918102007	DINESH R
8	720918102008	ELANGOVAN S
9	720918102009	FARSHAD M
10	720918102010	FAWAZ A
11	720918102011	HARIKRISHNA M S
12	720918102012	KARAN KUMAR J
13	720918102013	KRISHNA PRASAD V
14	720918102014	MIDHUNRAJ P K
15	720918102015	MOHAMMED ANEES PACHEERI
16	720918102016	MUHAMMED SHAHEEL V P
17	720918102017	NIHAL P Z
18	720918102018	RAHUL GG
19	720918102020	RAHUL R
20	720918102021	RAJKUMAR R

SIGNATURE OF HOD

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PICHANUR
Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I CSE		
S. No	**REG.NO**	**Name of the Student**
1	720918104001	ABIN BIJU
2	720918104002	ADARSH A V
3	720918104007	ANAMIKA P
4	720918104013	HARISH V
5	720918104014	JOEL SAJI
6	720918104015	JOY PRASANNA S
7	720918104016	KAMALAKKANNAN R
8	720918104017	LISTUN SUNNY
9	720918104018	MANOJKUMAR U
10	720918104019	MANUVEL VICTOR J
11	720918104020	MOHAMMAD RISHAD K
12	720918104021	MOHAMMED MUSTHAFA AP
13	720918104025	NITHISH S
14	720918104026	NOUFAL M
15	720918104027	PRATHIN PRATHEESH
16	720918104028	PRAVEENKUMAR J
17	720918104029	PRAVEEN KUMAR P
18	720918104030	PRAVEENRAJ R
19	720918104031	RAJA S
20	720918104032	RAKESH R
21	720918104033	SACHIN T
22	720918104041	SIVAHARI S
23	720918104042	SIVA SANKAR A
24	720918104045	SRUTHI S
25	720918104046	VINOTH K
26	720918104047	VISHNUPRIYA M K

SIGNATURE OF HOD

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I EEE		
S. No	**REG.NO**	**Name of the Student**
1	720918105001	ABDUL HASEEB.M
2	720918105002	ADWAITH.N
3	720918105003	AFHAS ALI P M
4	720918105004	AJAYRAJ.R
5	720918105005	AJMAL.E.K
6	720918105006	AMAL. S
7	720918105007	ANZAR MOHAMED S
8	720918105008	ARUNKUMAR J
9	720918105009	DAWN SHAJU
10	720918105010	GOMATHI M
11	720918105011	KANNAN.S
12	720918105012	KARTHIKEYAN M
13	720918105013	MUHAMMED ANSARI.J
14	720918105014	MURALITHARAN R
15	720918105015	PUGAZHENTHI S
16	720918105016	S MOHAMMED HANEEFA
17	720918105017	SREERAJ.M
18	720918105018	THILAGESH.T
19	720918105019	VIVEK.M
20	720918105020	YOONUSE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I ECE		
S. No	**REG.NO**	**Name of the Student**
1	720918106001	ABISHA F
2	720918106002	ANANDHI.P
3	720918106003	ANOOP.R
4	720918106004	ARIF.S
5	720918106005	ARUNKUMAR S
6	720918106006	DHILSHIYA M
7	720918106010	GOPINATH L
8	720918106011	HARERAJHAN.M
9	720918106012	JAYABHARATHI.A
10	720918106013	JERBY J J
11	720918106014	KARTHIKESWARAN R P
12	720918106015	KOYLATH ATHUL PREMARAJAN
13	720918106016	MALARKODI.R
14	720918106017	MATHEESH M
15	720918106018	MATHUMITHA.M
16	720918106019	MOHANAPRIYA.P
17	720918106020	MUHAMMED ANSHID.K
18	720918106021	PRIYANKA.K
19	720918106022	RAJALAKSHMI.G
20	720918106023	REJIL KRISHNAN.N.R
21	720918106024	SIVA G
22	720918106028	SUSMA J V
23	720918106029	VAISHNAVI V
24	720918106030	YUVARAJ M

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PICHANUR

Attendence for Competitive Exam Guidance

Academic year 2018-2019

Name of the Trainer: R. Srikumar

Name of the Program: Competitive Exam Guidance

I MECH		
S. No	**REG.NO**	**Name of the Student**
1	720918114001	ABDUL BASIDE A
2	720918114002	ABHINAND KRISHNA
3	720918114003	ACHU.U
4	720918114004	ADIL HASHIM.S
5	720918114008	AMAL K S
6	720918114009	AMAL V JAYAPRAKASH
7	720918114010	AMARNATH A
8	720918114014	DEEPAK KUMAR V
9	720918114015	GOKUL M
10	720918114016	HASHIM.S.K
11	720918114017	IRSHAD.I
12	720918114018	JASWIN JAYAKUMAR
13	720918114019	MOHAMED NAFIR V N
14	720918114020	MOHAMMED SAHAL.J
15	720918114023	PACHAIYARASAN.G
16	720918114024	PINJOFFER F THEKANATH
17	720918114025	PRAVEENRAJ.J
18	720918114026	PREMJITH P
19	720918114027	RAGHUL R
20	720918114028	RAHUL.P. S
21	720918114029	REJIN THOMAS
22	720918114030	SANJAY V
23	720918114033	SREERAG A
24	720918114037	TENY THIMOTHY.P
25	720918114038	THAKBEER ALI H

SIGNATURE OF HOD

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PICHANUR

Attendence for Competitive Exam Guidance

Academic year 2018-2019

Name of the Trainer: R. Srikumar

Name of the Program: Competitive Exam Guidance

I PCE		
S. No	**REG.NO**	**Name of the Student**
1	720918139014	ANUGRAHA.A
2	720918139053	MILIN PHILIP SUNDAR
3	720918139058	MOHAMMED SHAREEF K
4	720918139059	MOHANAPRAKASH.N
5	720918139060	MOWLI SAMYUKTHA A A
6	720918139061	MUNEESWARAN.S
7	720918139062	MUZZAMMIL .H
8	720918139063	NARMATHA R
9	720918139064	NIHITHAN J
10	720918139065	PAVITHRA S
11	720918139066	PETER BABISTAN L
12	720918139067	PREM NATH P
13	720918139068	RABIN MOHAMMED P A
14	720918139069	RAJAGANAPATHY.R
15	720918139070	RAJESHKANNA M
16	720918139071	RITHIKROSHAN R
17	720918139072	SAHAYA MICHEAL AJAY.M
18	720918139073	SAMSON.R
19	720918139078	SATHYAPRIYA. S
20	720918139079	SHAHEEM.A
21	720918139085	SRIHARIHARAN N
22	720918139086	SUBARAMA GOKILAN R
23	720918139087	SUBHA KABILAN.D
24	720918139088	SUNERIA.S
25	720918139089	THIRUPPATHI.R
26	720918139090	VAHINI.M

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PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

	I PE	
S. No	**REG.NO**	**Name of the Student**
1	720918219001	AKSHAY D C
2	720918219002	AMAL PAUL SHAJU
3	720918219003	AMBADI SURESH
4	720918219007	BALAMURALI N
5	720918219008	BASHIM MURDHAN K
6	720918219009	CHANDRU.S
7	720918219010	DINESH K
8	720918219011	FAIYAZ.F
9	720918219012	GOBI C
10	720918219013	HABEEB RAHMAN
11	720918219014	HARIPRASATH.P
12	720918219015	JOESTEEVE S VELIYATH
13	720918219016	KALEEL AHAMED S
14	720918219017	MOHAMMED ALI RAZLAN.M
15	720918219018	MOHAMMED SALMAN.M
16	720918219019	MOHAMMED SHAHIN SHA Z
17	720918219020	NAGARJUN.B
18	720918219021	PRABU M
19	720918219025	SANTHOSH KUMAR.P
20	720918219026	SARAN.S
21	720918219027	SARATHBABU.S
22	720918219038	SURIYA.R
23	720918219039	THARANESH K
24	720918219040	THEKSHIN KARTHIK MA S
25	720918219041	WAFA MOHAMMED

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR
Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I AUTO		
S. No	**REG.NO**	**Name of the Student**
1	720918103001	ABDUL HASEEB M
2	720918103002	ADITHYAN DK
3	720918103003	ALEN VS
4	720918103004	AMAL RAJ
5	720918103005	ASHWAN O
6	720918103006	ASLAH PM
7	720918103007	BHAVYA S
8	720918103008	DHANUSH B
9	720918103009	FAIZ MUHAMMED N
10	720918103010	GREESHMA S
11	720918103011	HIJAS AS
12	720918103012	IMRAN KHAN M
13	720918103013	JERON KISHOR J
14	720918103014	LIBIN B
15	720918103015	MUHSINA S
16	720918103016	NANTHINI DEVI J
17	720918103017	NAVEEN S
18	720918103018	PRADEEP V
19	720918103019	SOPNA K
20	720918103020	SUDHIN RAJ S

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PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I CIVIL						
S. No	REG.NO	Name of the Student	27.08.18	28.08.18	29.08.18	30.08.18
1	720918102001	AASIF S	/	/	/	/
2	720918102002	ADWAITH SUJITH	/	/	/	/
3	720918102003	AKSHAY T H	/	/	/	/
4	720918102004	BHARATH KANNAN M	a	/	/	/
5	720918102005	CYRIL GEORGE	/	/	/	/
6	720918102006	DIJO JOSEPH	/	a	/	/
7	720918102007	DINESH R	/	/	/	a
8	720918102008	ELANGOVAN S	/	/	/	/
9	720918102009	FARSHAD M	/	/	a	/
10	720918102010	FAWAZ A	/	/	/	/
11	720918102011	HARIKRISHNA M S	/	/	/	/
12	720918102012	KARAN KUMAR J	a	/	/	/
13	720918102013	KRISHNA PRASAD V	/	a	/	/
14	720918102014	MIDHUNRAJ P K	/	/	/	/
15	720918102015	MOHAMMED ANEES PACHEERI	/	/	/	/
16	720918102016	MUHAMMED SHAHEEL V P	/	/	/	a
17	720918102017	NIHAL P Z	/	/	/	/
18	720918102018	RAHUL GG	/	/	a	/
19	720918102020	RAHUL R	/	/	/	/
20	720918102021	RAJKUMAR R	a	a	/	/

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PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I CSE

S. No	REG.NO	Name of the	27.08.18	28.08.18	29.08.18	30.08.18
1	720918104001	ABIN BIJU	/	/	/	/
2	720918104002	ADARSH A V	/	/	/	/
3	720918104007	ANAMIKA P	/	/	/	/
4	720918104013	HARISH V	/	a	/	/
5	720918104014	JOEL SAJI	/	/	/	/
6	720918104015	JOY PRASANNA S	a	/	/	a
7	720918104016	KAMALAKKANNAN R	/	/	/	/
8	720918104017	LISTUN SUNNY	/	/	/	/
9	720918104018	MANOJKUMAR U	/	/	a	/
10	720918104019	MANUVEL VICTOR J	/	/	/	/
11	720918104020	MOHAMMAD RISHAD K	/	/	/	/
12	720918104021	MOHAMMED MUSTHAFA AP	/	/	/	/
13	720918104025	NITHISH S	/	/	/	/
14	720918104026	NOUFAL M	/	/	/	/
15	720918104027	PRATHIN PRATHEESH	/	/	/	/
16	720918104028	PRAVEENKUMAR J	/	/	/	/
17	720918104029	PRAVEEN KUMAR P	a	a	/	/
18	720918104030	PRAVEENRAJ R	/	/	/	/
19	720918104031	RAJA S	/	/	/	/
20	720918104032	RAKESH R	/	/	/	/
21	720918104033	SACHIN T	/	/	a	/
22	720918104041	SIVAHARI S	/	/	/	/
23	720918104042	SIVA SANKAR A	/	/	/	a
24	720918104045	SRUTHI S	a	/	/	/
25	720918104046	VINOTH K	/	/	/	/
26	720918104047	VISHNUPRIYA M K	/	/	/	/

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PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I EEE

S. No	REG.NO	Name of the Student	27.08.18	28.08.18	29.08.18	30.08.18
1	720918105001	ABDUL HASEEB.M	/	/	/	/
2	720918105002	ADWAITH.N	/	/	/	/
3	720918105003	AFHAS ALI P M	/	/	/	/
4	720918105004	AJAYRAJ.R	/	/	/	/
5	720918105005	AJMAL.E.K	/a	/	/	/
6	720918105006	AMAL. S	/	/	/	/
7	720918105007	ANZAR MOHAMED S	/	/	/	a
8	720918105008	ARUNKUMAR J	/	/	/	/
9	720918105009	DAWN SHAJU	/	/	/	/
10	720918105010	GOMATHI M	/	a	/	/
11	720918105011	KANNAN.S	/	/	/	/
12	720918105012	KARTHIKEYAN M	/	/	/	/
13	720918105013	MUHAMMED ANSARI.J	/	/	a	/
14	720918105014	MURALITHARAN R	/	/	/	/
15	720918105015	PUGAZHENTHI S	/	/	/	/
16	720918105016	S MOHAMMED HANEEFA	/	/	/	/
17	720918105017	SREERAJ.M	/	/	/	/
18	720918105018	THILAGESH.T	/	/	/	/
19	720918105019	VIVEK.M	/	/	/	a
20	720918105020	YOONUSE	/	/	/	/

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Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I ECE

S. No	REG.NO	Name of the	27.08.18	28.08.18	29.08.18	30.08.18
1	720918106001	ABISHA F	/	/	/	/
2	720918106002	ANANDHI.P	/	/	/	/
3	720918106003	ANOOP.R	/	/	/	/
4	720918106004	ARIF.S	a	/	a	/
5	720918106005	ARUNKUMAR S	/	/	/	/
6	720918106006	DHILSHIYA M	/	/	/	a
7	720918106010	GOPINATH L	/	/	/	/
8	720918106011	HARERAJHAN.M	/	a	/	/
9	720918106012	JAYABHARATHI.A	/	/	/	/
10	720918106013	JERBY J J	/	/	/	/
11	720918106014	KARTHIKESWARAN R P	/	/	/	/
12	720918106015	KOYLATH ATHUL PREMARAJAN	/	/	/	/
13	720918106016	MALARKODI.R	/	/	/	/
14	720918106017	MATHEESH M	/	/	/	/
15	720918106018	MATHUMITHA.M	/	/	/	/
16	720918106019	MOHANAPRIYA.P	/	/	/	/
17	720918106020	MUHAMMED ANSHID.K	a	/	a	/
18	720918106021	PRIYANKA.K	/	/	/	/
19	720918106022	RAJALAKSHMI.G	/	a	/	/
20	720918106023	REJIL KRISHNAN.N.R	/	/	/	/
21	720918106024	SIVA G	/	/	/	/
22	720918106028	SUSMA J V	/	/	/	a
23	720918106029	VAISHNAVI V	/	/	/	/
24	720918106030	YUVARAJ M	/	/	/	/

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PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I MECH						
S. No	REG.NO	Name of the Student	27.08.18	28.08.18	29.08.18	30.08.18
1	720918114001	ABDUL BASIDE A	/	/	/	/
2	720918114002	ABHINAND KRISHNA	/	/	/	/
3	720918114003	ACHU.U	/	/	/	/
4	720918114004	ADIL HASHIM.S	/	/	/	/
5	720918114008	AMAL K S	a	/	/	/
6	720918114009	AMAL V JAYAPRAKASH	/	a	/	/
7	720918114010	AMARNATH A	/	/	/	/
8	720918114014	DEEPAK KUMAR V	/	/	/	/
9	720918114015	GOKUL M	/	/	/	/
10	720918114016	HASHIM.S.K	/	/	/	/
11	720918114017	IRSHAD.I	/	/	/	/
12	720918114018	JASWIN JAYAKUMAR	/	/	/	/
13	720918114019	MOHAMED NAFIR V N	/	/	/	/
14	720918114020	MOHAMMED SAHAL.J	/	/	a	/
15	720918114023	PACHAIYARASAN.G	/	/	/	/
16	720918114024	PINJOFFER F THEKANATH	/	/	/	/
17	720918114025	PRAVEENRAJ.J	a	/	/	/
18	720918114026	PREMJITH P	/	/	/	a
19	720918114027	RAGHUL R	/	/	/	/
20	720918114028	RAHUL.P. S	/	/	/	/
21	720918114029	REJIN THOMAS	/	/	/	/
22	720918114030	SANJAY V	/	/	/	/
23	720918114033	SREERAG A	/	/	/	/
24	720918114037	TENY THIMOTHY.P	/	/	/	/
25	720918114038	THAKBEER ALI H	/	/	a	/

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Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I PCE

S. No	REG.NO	Name of the Student	27.08.18	28.08.18	29.08.18	30.08.18
1	720918139014	ANUGRAHA.A	/	/	/	/
2	720918139053	MILIN PHILIP SUNDAR	/	/	/	a
3	720918139058	MOHAMMED SHAREEF K	/	/	/	/
4	720918139059	MOHANAPRAKASH.N	/	/	/	/
5	720918139060	MOWLI SAMYUKTHA A A	/	/	/	/
6	720918139061	MUNEESWARAN.S	/	a	/	/
7	720918139062	MUZZAMMIL .H	/	/	/	/
8	720918139063	NARMATHA R	/	/	/	/
9	720918139064	NIHITHAN J	/	/	/	/
10	720918139065	PAVITHRA S	/	/	/	/
11	720918139066	PETER BABISTAN L	/	/	/	/
12	720918139067	PREM NATH P	/	/	/	/
13	720918139068	RABIN MOHAMMED P A	a	/	/	a
14	720918139069	RAJAGANAPATHY.R	/	/	/	/
15	720918139070	RAJESHKANNA M	/	/	/	/
16	720918139071	RITHIKROSHAN R	/	/	a	/
17	720918139072	SAHAYA MICHEAL AJAY.M	/	/	/	/
18	720918139073	SAMSON.R	/	/	/	/
19	720918139078	SATHYAPRIYA. S	/	/	/	/
20	720918139079	SHAHEEM.A	/	/	/	/
21	720918139085	SRIHARIHARAN N	/	/	/	/
22	720918139086	SUBARAMA GOKILAN R	/	/	/	/
23	720918139087	SUBHA KABILAN.D	a	/	/	/
24	720918139088	SUNERIA.S	/	/	/	a
25	720918139089	THIRUPPATHI.R	/	/	/	/
26	720918139090	VAHINI.M	/	/	/	/

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PICHANUR

Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I PE

S. No	REG.NO	Name of the Student	27.08.18	28.08.18	29.08.18	30.08.18
1	720918219001	AKSHAY D C	/	/	/	/
2	720918219002	AMAL PAUL SHAJU	a	/	/	/
3	720918219003	AMBADI SURESH	/	/	a	/
4	720918219007	BALAMURALI N	/	/	/	/
5	720918219008	BASHIM MURDHAN K	/	/	/	/
6	720918219009	CHANDRU.S	/	/	/	/
7	720918219010	DINESH K	/	a	/	/
8	720918219011	FAIYAZ.F	/	/	/	/
9	720918219012	GOBI C	/	/	/	/
10	720918219013	HABEEB RAHMAN	/	/	/	/
11	720918219014	HARIPRASATH.P	/	/	/	/
12	720918219015	JOESTEEVE S VELIYATH	/	/	/	a
13	720918219016	KALEEL AHAMED S	/	/	/	/
14	720918219017	MOHAMMED ALI RAZLAN.M	/	/	/	/
15	720918219018	MOHAMMED SALMAN.M	a	/	/	/
16	720918219019	MOHAMMED SHAHIN SHA Z	/	/	/	/
17	720918219020	NAGARJUN.B	/	/	/	/
18	720918219021	PRABU M	/	/	/	/
19	720918219025	SANTHOSH KUMAR.P	/	/	/	a
20	720918219026	SARAN.S	/	/	/	/
21	720918219027	SARATHBABU.S	/	/	/	/
22	720918219038	SURIYA.R	/	/	a	/
23	720918219039	THARANESH K	/	a	/	/
24	720918219040	THEKSHIN KARTHIK MA S	/	/	/	/
25	720918219041	WAFA MOHAMMED	/	/	/	/

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Attendence for Competitive Exam Guidance
Academic year 2018-2019

Name of the Trainer: R. Srikumar
Name of the Program: Competitive Exam Guidance

I AUTO						
S. No	**REG.NO**	**Name of the Student**	27.08.18	28.08.18	29.08.18	30.08.18
1	720918103001	ABDUL HASEEB M	/	/	/	/
2	720918103002	ADITHYAN DK	/	/	/	/
3	720918103003	ALEN VS	a	/	/	/
4	720918103004	AMAL RAJ	/	/	a	/
5	720918103005	ASHWAN O	/	/	/	/
6	720918103006	ASLAH PM	/	/	/	/
7	720918103007	BHAVYA S	/	/	/	a
8	720918103008	DHANUSH B	/	a	/	/
9	720918103009	FAIZ MUHAMMED N	/	/	/	/
10	720918103010	GREESHMA S	/	/	/	/
11	720918103011	HIJAS AS	a	/	/	/
12	720918103012	IMRAN KHAN M	/	/	a	/
13	720918103013	JERON KISHOR J	/	/	/	/
14	720918103014	LIBIN B	/	/	/	/
15	720918103015	MUHSINA S	/	/	/	/
16	720918103016	NANTHINI DEVI J	/	/	/	/
17	720918103017	NAVEEN S	/	/	/	/
18	720918103018	PRADEEP V	/	a	/	/
19	720918103019	SOPNA K	/	/	/	a
20	720918103020	SUDHIN RAJ S	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms JERBY. J. J (I B.E. ECE)

has successfully completed the Course **"COMPETITIVE EXAM GUIDANCE"** on 27.08.18 to 30.08.18 for 4 days.

HOD/S&H

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641 105

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Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms WAFA MOHAMMED II B.Tech PE) has successfully completed the Course **"COMPETITIVE EXAM GUIDANCE"** on 27.08.18 to 30.08.18 for 4 days.

HOD/S&H

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641 105

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Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms RAHUL. M. M -(I. B.E CIVIL)

has successfully completed the Course **"COMPETITIVE EXAM GUIDANCE"** on 27.08.18 to 30.08.18 for 4 days.

HOD S&H

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JCT College of Engineering & Technology,
Pichanur, Coimbatore - 641105

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Pichanur, Coimbatore - 641105

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Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms VISHNU PRIYA . M. K -(I . B.E. CSE)

has successfully completed the Course **"COMPETITIVE EXAM GUIDANCE"** on 27.08.18 to 30.08.18 for 4 days.

HOD/S&H

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JCT College of Engineering & Technology
Pichanur, Coimbatore - 641...

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Pichanur, Coimbatore - 641105

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Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms YOONUSE - (I. B.E.EEE)

has successfully completed the Course **"COMPETITIVE EXAM GUIDANCE"** on 27.08.18 to 30.08.18 for 4 days.

HOD/ S&H

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 61[illegible]

PRINCIPAL

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Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

Student Feedback

Name of the Student: SAMIRKAMAL Sex (M/F): M

Department: FOOD TECH E-mail SAMIR502@Gamil.Com

Address: JCTCET mobile 7289990121

Students are required to rate the courses

Name of the Trainer: R SRIKUMAR

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher		✓	✓	
4. Interest generated by the teacher				
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)			✓	
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback	✓			
10. Overall rating			✓	

Samirkamal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

Student Feedback

Name of the Student: GOMATHI. M Sex (M/F): F

Department: Petrochemical E-mail gomathigome@gmail.com

Address: JCTCET mobile 9095939123

Students are required to rate the courses

Name of the Trainer: R. Srikumar

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher			✓	
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)			✓	
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating			✓	

04/11/M

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ISO 9001:2008 Certified

Date: 21-01-2019

To,

The Head of the department,

Department of EEE,

JCT College of Engineering and Technology,

Pichanur,

Coimbatore -641105.

Dear Sir,

With reference to your invitation I am happy to accept and conduct course on **"Industrial Automation** "in every Saturday at JCT College of Engineering and Technology. I look forward to working with you and your fine team. I appreciate your confidence in me and am very happy to be joining with this event.

Ajith Surendran
Branch Manager
IPCS Automation Coimbatore.
0422-4223664, 9585526664

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on **"Industrial Automation"** on every Saturday 02-02-2019,

09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019

Student Name List & Attendance

S. NO	REG NUMBER	NAME OF THE STUDENT	FEB 2019				March 2019
			02	09	16	23	02
1.	720916105003	ABIJITH.A	P	P	P	P	P
2.	720916105004	ABIRAM.P	P	P	P	P	P
3.	720916105005	AKASH.P	P	P	P	P	P
4.	720916105006	AKHILESH.C	P	P	P	P	P
5.	720916105007	ALEX K JIJU	P	P	P	P	P
6.	720916105008	ANANTHI.T	P	AB	P	P	P
7.	720916105009	ANIL KUMAR.M	P	P	P	P	P
8.	720916105010	ANITHA.C	P	P	P	P	P
9.	720916105011	ATHIRA.K	P	P	AB	P	P
10.	720916105012	DHARANI.K	P	P	P	P	P
11.	720916105018	KAVIDASS.K	P	P	P	P	P
12.	720916105019	KIRAN MOHAN	P	P	P	P	P
13.	720916105020	MADHU.P	AB	P	P	P	P
14.	720916105021	MIDHILA.R	P	P	P	P	P
15.	720916105022	MOHAN PRASATH.K	P	P	P	P	P
16.	720916105023	MUHAMMED FAIS.P	P	P	P	AB	P
17.	720916105024	MURUGAN.M	P	P	P	P	P
18.	720916105028	NIMCY RANI.S	P	P	P	P	P
19.	720916105029	NITHEESHVI.S	P	P	P	P	P
20.	720916105030	RAHUL ROY	P	P	P	P	P
21.	720916105031	RANJITH.M	P	P	P	P	P
22.	720916105032	RANJITHA.M	P	P	P	P	P
23.	720916105033	SADIQ.M	P	AB	P	P	P
24.	720916105034	SELVA.G	P	P	P	P	P
25.	720916105035	SHABIRMON.K.M	P	P	P	P	P
26.	720916105039	SRENI.M.S	P	P	AB	P	P
27.	720916105041	SUMITHRA K	P	P	AB	P	P
28.	720916105302	SOORAJ.J	P	P	P	P	P
29.	720915105002	AISWARYA.M	P	P	P	P	P
30.	720915105003	ANAS.K.A	P	P	P	P	P
31.	720915105004	ARJUN.V.P	P	P	P	P	P
32.	720915105005	DEEPAK.G	P	P	P	P	P

33.	720915105006	GAYATHIRI.M	P	P	P	P	P
34.	720915105008	HAREESH.C	P	P	P	P	P
35.	720915105009	ISMAIL BAZIL.A	P	P	P	P	P
36.	720915105010	JESHIN DAS T.S	P	P	P	P	P
37.	720915105011	JITHIN.H	P	P	P	P	P
38.	720915105013	SALMANUL FARIS.C	P	P	AB	AB	P
39.	720915105015	SARAVANA KUMAR.S	P	P	AB	P	P
40.	720915105016	VENGATESAN.	P	P	P	P	P
41.	720915105017	VINEETH.V	P	P	P	P	P
42.	720915105018	VISHNU	P	P	P	P	P



Dr.K.Geetha

HOD/EEE

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

30/30

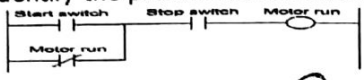
STUDENT NAME :	ATHIRA. K.
DATE :	**Course on "Industrial Automation Course"**

Objective type Questions

1. The acronym PLC stands for:
(A) Pressure Load Control (B) Programmable Logic Controller
(C) Pneumatic Logic Capstan (D) PID Loop Controller

2. Ladder logic programming consists primarily of:
(A) Virtual relay contacts and coils (B) Logic gate symbols with connecting lines (C) Function blocks with connecting lines (D) Text-based code

3. Identify the problem in this motor control PLC program:



(A) Coil (B) Start contact (C) Seal-in contact (D) Stop contact

4. The difference between online and offline PLC programming is . . .
(A) whether the PLC is running or stopped (B) whether the programming PC has internet connectivity (C) the type of programming cable used
(D) where the edited program resides

5. In PLC programming, a retentive function is one that:
(A) Defaults to the "on" state (B) Comes last in the program
(C) Defaults to the "off" state (D) Is not reset after a power cycle

6. What is the largest integer number that a PLC counter function can reach if it uses a 16 bit register?
(A) 32,768 (B) 65,535 (C) 65,536 (D) 65,537

7. A good application for a timed interrupt in a PLC program would be:
(A) A communications function block (B) A PID function block
(C) A math function block (D) A motor start/stop rung

8. To increase the number of inputs and outputs of the PLC, one can use expansion modules. a) True b. False c. None of the above

9. One of the following is an input device a. Motor b. Light c. Valve d) Sensor

10. Which one of the following is not a PLC manufacturer
a. Siemens b. Mitsubishi c. Microsoft d. ABB

11. Solenoids, lamps, motors are connected to:
a. Analog output b) Digital output c. Analog input d. Digital input

12. A SCADA system will include
a)signal hardware controllers networks user interface (HMI) c) All of the above

13. When planning a SCADA system you should:
a)Have an understanding of the process b) Collect data c) All of the above

14. SCADA is an acronym that stands for Supervisory Control and Data Acquisition
a) True False

15. In a PLC, the scan time refers to the amount of time in which .....
(A) the technician enters the program (B) timers and counters are indexed by
(C) one "rung" of ladder logic takes to complete (D) the entire program takes to execute

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

26/30

STUDENT NAME :	M. RANJITH.
DATE :	**Course on "Industrial Automation Course"**

Objective type Questions

1.	The acronym PLC stands for: (A) Pressure Load Control (B) Programmable Logic Controller (C) Pneumatic Logic Capstan (D) PID Loop Controller
2.	Ladder logic programming consists primarily of: (A) Virtual relay contacts and coils (B) Logic gate symbols with connecting lines (C) Function blocks with connecting lines (D) Text-based code
3.	Identify the problem in this motor control PLC program:  (A) Coil (B) Start contact (C) Seal-in contact (D) Stop contact
4.	The difference between online and offline PLC programming is . . . (A) whether the PLC is running or stopped (B) whether the programming PC has internet connectivity (C) the type of programming cable used (D) where the edited program resides
5.	In PLC programming, a retentive function is one that: (A) Defaults to the "on" state (B) Comes last in the program (C) Defaults to the "off" state (D) Is not reset after a power cycle
6.	What is the largest integer number that a PLC counter function can reach if it uses a 16 bit register? (A) 32,768 (B) 65,535 (C) 65,536 (D) 65,537
7.	A good application for a timed interrupt in a PLC program would be: (A) A communications function block (B) A PID function block (C) A math function block (D) A motor start/stop rung
8.	To increase the number of inputs and outputs of the PLC, one can use expansion modules. a. True b. False c. None of the above
9.	One of the following is an input device a. Motor b. Light c. Valve d. Sensor
10.	Which one of the following is not a PLC manufacturer a. Siemens b. Mitsubishi c. Microsoft d. ABB
11.	Solenoids, lamps, motors are connected to: a. Analog output b. Digital output c. Analog input d. Digital input
12.	A SCADA system will include a)signal hardware controllers networks user interface (HMI) c)All of the above
13.	When planning a SCADA system you should: a)Have an understanding of the process b) Collect data c)All of the above
14.	SCADA is an acronym that stands for Supervisory Control and Data Acquisition a) True False
15.	In a PLC, the scan time refers to the amount of time in which ..... (A) the technician enters the program (B) timers and counters are indexed by (C) one "rung" of ladder logic takes to complete (D) the entire program takes to execute

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

28/30

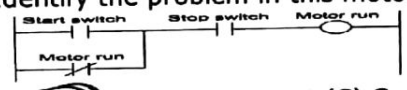
STUDENT NAME :	M.S SRENI
DATE :	**Course on "Industrial Automation Course"**

Objective type Questions

1. The acronym PLC stands for:
(A) Pressure Load Control (B) Programmable Logic Controller
(C) Pneumatic Logic Capstan (D) PID Loop Controller

2. Ladder logic programming consists primarily of:
(A) Virtual relay contacts and coils (B) Logic gate symbols with connecting lines (C) Function blocks with connecting lines (D) Text-based code

3. Identify the problem in this motor control PLC program:



(A) Coil (B) Start contact (C) Seal-in contact (D) Stop contact

4. The difference between online and offline PLC programming is . . .
(A) whether the PLC is running or stopped (B) whether the programming PC has internet connectivity (C) the type of programming cable used
(D) where the edited program resides

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(C) A math function block (D) A motor start/stop rung

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE ON "MATLAB FOR POWER SYSTEM"

1. Small-signal stability analysis of single machine-infinite bus system using classical machine model
2. Small-signal stability analysis of multi-machine configuration with classical machine model
3. Induction motor starting analysis
4. Load flow analysis of two-bus system with STATCOM
5. Transient analysis of two-bus system with STATCOM
6. Available Transfer Capability calculation using an existing load flow program
7. Study of variable speed wind energy conversion system- DFIG
8. Study of variable speed wind energy conversion system- PMSG
9. Computation of harmonic indices generated by a rectifier feeding a R-L load
10. Design of active filter for mitigating harmonics

JCT
College of Engineering and Technology

Dr.K.Geetha
HoD / EEE

Date: 18-12-2018

From

The Head of the Department,
Department of Electrical &Electronics Engineering,
JCT College of Engineering and Technology,
Coimbatore-641105.

To

Mr.Ajith Surendran,
Regional Manager,
IPCS Automation,
Coimbatore-641009.

Dear Sir,

Sub: Inviting for five days course on **"Industrial Automation" –reg.**

As a part of our curriculum we are conducting five days course for the benefits of students. In this connection we request to handle a session for **"Industrial Automation"** on every Saturday of Feb&March2019. Kindly accept our invitation and acknowledge.

Thanking You

HOD-EEE

JCT

JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

Date: 30-01-2019

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Dear Students,

This is to inform you that five days course on **"Industrial Automation"** is organized by IPCS Automation Pvt Ltd, Coimbatore on every Saturday of Feb and March 2019 (02-02-2019, 09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019). The chief Guest Mr.Ajith Surendran, RegionalManager, IPCSAutomation, IPCS Automation Pvt Ltd, Coimbatore will grant the course. All the students are instructed to attend and get benefited.

Circulation: 1.III Year EEE

2.VI Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TÜV AUSTRIA

Course on **"Industrial Automation"** on every Saturday 02-02-2019,

09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019

Student Name List & Attendance

S. NO	REG NUMBER	NAME OF THE STUDENT	FEB 2019				March 2019
			02	09	16	23	02
1.	720916105003	ABIJITH.A					
2.	720916105004	ABIRAM.P					
3.	720916105005	AKASH.P					
4.	720916105006	AKHILESH.C					
5.	720916105007	ALEX K JIJU					
6.	720916105008	ANANTHI.T					
7.	720916105009	ANIL KUMAR.M					
8.	720916105010	ANITHA.C					
9.	720916105011	ATHIRA.K					
10.	720916105012	DHARANI.K					
11.	720916105018	KAVIDASS.K					
12.	720916105019	KIRAN MOHAN					
13.	720916105020	MADHU.P					
14.	720916105021	MIDHILA.R					
15.	720916105022	MOHAN PRASATH.K					
16.	720916105023	MUHAMMED FAIS.P					
17.	720916105024	MURUGAN.M					
18.	720916105028	NIMCY RANI.S					
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20.	720916105030	RAHUL ROY					
21.	720916105031	RANJITH.M					
22.	720916105032	RANJITHA.M					
23.	720916105033	SADIQ.M					
24.	720916105034	SELVA.G					
25.	720916105035	SHABIRMON.K.M					
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27.	720916105041	SUMITHRA K					
28.	720916105302	SOORAJ.J					
29.	720915105002	AISWARYA.M					
30.	720915105003	ANAS.K.A					
31.	720915105004	ARJUN.V.P					
32.	720915105005	DEEPAK.G					

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PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TÜV AUSTRIA

33.	720915105006	GAYATHIRI.M	✓	✓	✓	✓	✓
34.	720915105008	HAREESH.C	✓	✓	✓	✓	✓
35.	720915105009	ISMAIL BAZIL.A	✓	✓	✓	✓	✓
36.	720915105010	JESHIN DAS T.S	✓	✓	✓	✓	✓
37.	720915105011	JITHIN.H	✓	✓	✓	✓	✓
38.	720915105013	SALMANUL FARIS.C	✓	✓	✓	✓	✓
39.	720915105015	SARAVANA KUMAR.S	✓	✓	✓	✓	✓
40.	720915105016	VENGATESAN.	✓	✓	✓	✓	✓
41.	720915105017	VINEETH.V	✓	✓	✓	✓	✓
42.	720915105018	VISHNU	✓	✓	✓	✓	✓

HOD-EEE

COURSE SYLLABUS
INMT-1317 INDUSTRIAL AUTOMATION

Catalog Description: A study of the applications of industrial automation systems, including identification of system requirements, equipment integration, motors, controllers, and sensors. Coverage of set-up, maintenance, and testing of the automated system.
Lecture Hrs = 2, Lab Hrs = 2

Prerequisites: ELPT 1301

Semester Credit Hours: 3
Lecture Hours per Week: 3
Contact Hours per Semester: 48
State Approval Code: 1509030000
Course Subject/Catalog Number: INMT-1317
Course Title: INDUSTRIAL AUTOMATION

Course Rationale: Provides the student with basic knowledge of the industrial automation systems design, installation, modification, maintenance, and repair.

Instructional Goals and Purposes: The purpose of this course is to provide the student with basic skills useful in identifying the concepts of automated machines and equipment and describe the terms and phrases associated with industrial automation. The student will perform preventative maintenance, identify or solve problems in machines, and other technologies. Performance will be satisfactory when student can demonstrate competence in maintaining and troubleshooting technology includes identifying, understanding, and performing routine preventative maintenance and service on technology; detecting more serious problems; generating workable solutions to correct deviations; and recognizing when to get additional help.

Learning Objectives: Upon completion of this course, the student will be able to accomplish the following competencies (Including SCANS):

1. Explain the General function of Industrial Automation
   - List basic Devices in Automated Systems
   - Distinguish Different Controllers Employed In Automated Systems
   (1Ai, 1Aii, 2Ciii, 2Di, 2Ei)
2. Identify Safety in Industrial Automation (F6)
   - Demonstrate Proper Lockout-Tag Out Procedures in Industrial Environments
   (1Aiv, 1Bii, 1Ci, 2Di)
3. Identify Practical Programmable Logic Controller Applications
   - Know the History of the PLC
   - Demonstrate Basic PLC Skills
   (1Ai, 1Aii, 1Aiii, 2Ciii, 2Di, 2Ei)

JCT **JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

COURSE SCHEDULE

Title : Course on **"Industrial Automation"**

Resource person : Mr.Ajith Surendran, RegionalManager, IPCSAutomation, Coimbatore

Date	Session	Topic Covered
02-02-2019	FN	Concept of Automation – Advantages & Disadvantages of Different automation methods, Explain the General function of Industrial Automation
	AN	Identify Types of Industrial Sensors
09-02-2019	FN	Identify Safety in Industrial Automation •Demonstrate Proper Lockout-Tag Out Procedures in Industrial Environments
	AN	Programmable Logic Controller – Types of PLC – PLC Working
16-02-2019	FN	Identify Practical Programmable Logic Controller Applications, Recognize Fundamentals of Programming Including
	AN	Scan cycle – SIEMENS PLCs – Different modules in S7-300 Station Programming • Coils • Contacts • Timers and Counters • Logical Program Development
23-02-2019	FN	Categorize Input/Output Modules And Wiring.
	AN	Classify Process Control System • Distinguish Types of Process Control Devices • Apply Process Control Devices to Practical Level, Flow, and Temperature Control Systems
02-03-2019	FN	Use Arithmetic and Advanced Instructions in Industrial Automation Including • Common Arithmetic Instructions • Add, Subtract, Multiply, Divide, and Compare Function • Logical Operators, Average, Standard Deviation, Trigonometric • Numbering System Conversion • Sequencers and Shift Register
	AN	Perform Maintenance Techniques Including • Installation • Maintenance • Troubleshooting Of PLC Systems

Program Coordinator

HOD/EEE

IPCS
automation
ISO 9001:2008 Certified

CERTIFICATE

This is to certify that **ABIJITH.A** of **Third Year EEE** has successfully completed 5 days course on **"Industrial Automation"** on every Saturday 02-02-2019, 09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019 at JCT College of Engineering and Technology, Coimbatore and Conducted by IPCS Automation Pvt.Ltd, Coimbatore

Ajith Surendran
Branch Manager
IPCS Automation Coimbatore.
0422-4223664, 9585526664

Date of Issue: 09-04-2019

IPCS
automation
ISO 9001:2008 Certified

CERTIFICATE

This is to certify that **ABIRAM.P** of **Third Year EEE** has successfully completed 5 days course on **"Industrial Automation"** on every Saturday 02-02-2019, 09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019 at JCT College of Engineering and Technology, Coimbatore and Conducted by IPCS Automation Pvt.Ltd, Coimbatore

Ajith Surendran
Branch Manager
IPCS Automation Coimbatore.
0422-4223664, 9585526664

Date of Issue: 09-04-2019

Ingenious Power and Control Systems Pvt. Ltd.
DS Complex, Nehru Street, Ram Nagar, Gandhipuram, Coimbatore – 641009.
Phone: 0422 -422 3664, E Mail: cbr@ ipcsautomation.com | www.ipcs.com.co

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

TÜV AUSTRIA

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	Mr. Ajith Surendran.
Topic Name	:	Industrial Automation.
Name of the Industry/Training Institute	:	IPCS Automation Pvt Ltd
Date	:	2-3-19.

1.Did you find the course useful?

- ✓ Very Useful
- o Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- o No

3.Did you find the Activity useful?

- ✓ Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- o 10
- ✓ 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- ✓ Very good
- o Good

Signature of the Student

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	MY. ANIL KUMAR
Topic Name	:	Industrial Automation
Name of the Industry/Training Institute	:	IPCS Automation PVT. LTD
Date	:	2-3-2019

1.Did you find the course useful?

- o Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- o Little
- ✓ No

3.Did you find the Activity useful?

- ✓ Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ✓ 10
- o 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- o Very good
- ✓ Good

Signature of the Student

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE – 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INDUSTRIAL AUTOMATION

Industrial automation is the need of the hour for students who are Science Graduates, Engineering Graduates and Diploma holders. Most of the industries, be it electronics, chemical or pharmaceutical have gone in for large-scale automation of their plants and factories. Keeping in mind the requirements of the industries, we have designed this Course, which covers the basics of Automation, basics of **Programmable Logic Controller (PLC),** PLC hardware, PLC programming, HMI - Local operator panels and **Supervisory Control & Data Acquisition (SCADA)**.

The candidate will be able to:

1. Use data transfer techniques
2. Describe architecture and operation of micro controller 8051
3. Develop assembly language programme using instruction set of 8051
4. Design and develop micro controller based systems
5. Explain various applications of micro controllers

Syllabus

1 Basics of Automation

1.1 Need of automation
1.2 Benefits of automation
1.3 Programmable Logic Controller (PLC) Overview
1.3.1 Introduction
1.3.2 PLC History
1.3.3 PLC in Industrial Automation
1.3.4 PLC architecture
1.3.5 Ladder Logic and Relays
1.4 Application areas – Process industries, Buildings, Robotics, Infrastructure, Aerospace, Railways, Automobiles, Telecom, Electrical distribution, Medical

2 Programmable Logic Controller (PLC) Basics

2.1 Block Diagram & Principle of Working
2.3 PLC Classification based on Type and size
2.4 PLC characteristics – CPU, Racks, Power Supply, Memory, Input & Output Modules, Application Specific Modules, Speed of Execution, Communication, Redundancy.

3.0 PLC Hardware

3.1 PLC Inputs and Outputs Types
3.2 Source and Sink Concept
3.3 Description and Function of various PLC Modules- I/O Modules and Communication Modules
3.4 PLC Hardware Configuration
3.5 Addressing of PLC I/O

3.6 Diagnostic Features
3.7 PLC Wiring
3.8 Interfacing with Sensors and Actuators

4.0 PLC Programming

4.1 Definition and Use of Bits and Words
4.2 Introduction to PLC Programming Languages- Ladder, Instruction List, Structed Text, Grafcet
4.3 PLC Programming Software, its installation and use with a PC
4.3.1 Ladder Program Development with Software
4.4 Instruction Set in Ladder – NO, NC, Set, Reset, Timers, Counters, Comparison, Arthmetic, Logical, Move, Drum Controller
4.4.1 Programming Examples in Ladder with simple applications
4.5 PLC Instructions
4.5.1 Data Transfer Instruction
4.5.2 Arithmetic Instructions
4.5.3 Data Comparison Instructions
4.5.4 Data Manipulation Instructions
4.5.5 Timer Instructions
4.5.6 Counter Instructions
4.5.7 Program Control Instructions
4.5.8 Pulse Instruction
4.5.9 PID Instruction
4.6 Different Programming Techniques
4.7 Trouble shooting PLC

5 HMI: Local Operator Panels

5.1 Need for HMI
5.2 Types and Characteristics of Local HMI operator panels
5.2.1 Introduction to Programming of HMI Panels
5.2.2 Interface between HMI Panels and PLC

6 HMI: Supervisory Control & Data Acquisition (SCADA)

6.1 Definition of SCADA
6.1.1 Functional Block Diagram
6.1.2 Function of SCADA
  a) Creating static & dynamic objects with animation
  b) SCADA data base configuration
  c) Alarm management
  d) Real time & historical trends.
6.2 Communication between PLC and SCADA
6.3 SCADA Applications

PRACTICALS

1. Use of simulation package for different function
2. Verify function of logic gates by using PLC
3. Write and verify ladder program for motor ON-OFF Control with two push buttons
4. Write and verify the ladder program for analog input (temp.) Measurement.
5. Develop a graphical screen for SCADA based system
6. Measure the frequency measurement by using high-speed counter in PLC
   Water level controller using PLC simulator.
7. Traffic light control using PLC simulator.
8. Horizontal motion of converter belt using limit switches using PLC simulator.
9. Bottling plant with counter simulator.
10. Lift control using PLC simulator.

- **Case study of typical PLC systems like Siemens, Allen Bradley, Schneider, Messung etc. and compare the specification and cost.**

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This is to certify that **ABIJITH.A** of **Third Year EEE** has successfully completed 5 days course on **"Industrial Automation"** on every Saturday 02-02-2019, 09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019 at JCT College of Engineering and Technology, Coimbatore and Conducted by IPCS Automation Pvt.Ltd, Coimbatore

Ajith Surendran
Branch Manager
IPCS Automation Coimbatore.
0422-4223664, 9585526664

Date of Issue: 09-04-2019

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This is to certify that **AKASH.P** of **Third Year EEE** has successfully completed 5 days course on **"Industrial Automation"** on every Saturday 02-02-2019, 09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019 at JCT College of Engineering and Technology, Coimbatore and Conducted by IPCS Automation Pvt.Ltd, Coimbatore

Ajith Surendran
Branch Manager
IPCS Automation Coimbatore.
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Date of Issue: 09-04-2019

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CERTIFICATE

This is to certify that **AKHILESH.C** of **Third Year EEE** has successfully completed 5 days course on **"Industrial Automation"** on every Saturday 02-02-2019, 09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019 at JCT College of Engineering and Technology, Coimbatore and Conducted by IPCS Automation Pvt.Ltd, Coimbatore

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Date of Issue: 09-04-2019

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CERTIFICATE

This is to certify that **ALEX K JIJU** of **Third Year EEE** has successfully completed 5 days course on **"Industrial Automation"** on every Saturday 02-02-2019, 09-02-2019, 16-02-2019, 23-02-2019 and 02-03-2019 at JCT College of Engineering and Technology, Coimbatore and Conducted by IPCS Automation Pvt.Ltd, Coimbatore

Ajith Surendran
Branch Manager
IPCS Automation Coimbatore.
0422-4223664, 9585526664

Date of Issue: 09-04-2019

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on "MATLAB for Power System" on 17-12-2018 to 24-12-2018

Mark allocation for the course

Register number	Student Name	Marks
720915105002	AISWARYA.M	30
720915105003	ANAS.K.A	30
720915105004	ARJUN.V.P	30
720915105005	DEEPAK.G	28
720915105006	GAYATHIRI.M	26
720915105008	HAREESH.C	26
720915105009	ISMAIL BAZIL.A	28
720915105010	JESHIN DAS T.S	30
720915105011	JITHIN.H	30
720915105013	SALMANUL FARIS.C	30
720915105014	SARATH CHANDAR K	28
720915105015	SARAVANA KUMAR.S	26
720915105016	VENGATESAN.M	26
720915105017	VINEETH.V	28
720915105018	VISHNU PRASAD.D	26
720915105019	ZUNAIR.A	28
720915105301	ANAS IBN YOUSUF P	28
720915105302	DENNY ANTO	30
720915105303	MUHAMMED SHAKIR.K	30
720915105304	SAINUL NISAM K P	30

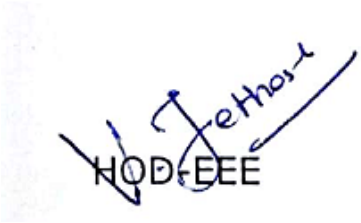
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on "MATLAB for Power System" on 17-12-2018 to 21-12-2018

Marks

S.NO	REG NUMBER	NAME OF THE STUDENT	Marks
1.	720916105001	ABDUL BASTH.V.M	30
2.	720916105003	ABIJITH.A	30
3.	720916105004	ABIRAM.P	30
4.	720916105005	AKASH.P	28
5.	720916105006	AKHILESH.C	26
6.	720916105008	ANANTHI.T	26
7.	720916105009	ANIL KUMAR.M	28
8.	720916105010	ANITHA.C	30
9.	720916105011	ATHIRA.K	30
10.	720916105012	DHARANI.K	30
11.	720916105014	GUNASEKARAN.A	28
12.	720916105018	KAVIDASS.K	26
13.	720916105019	KIRAN MOHAN	26
14.	720916105020	MADHU.P	28
15.	720916105021	MIDHILA.R	30
16.	720916105022	MOHAN PRASATH.K	30
17.	720916105023	MUHAMMED FAIS.P	30
18.	720916105024	MURUGAN.M	28
19.	720916105028	NIMCY RANI.S	26
20.	720916105029	NITHEESHVI.S	26
21.	720916105030	RAHUL ROY	28
22.	720916105032	RANJITHA.M	30
23.	720916105033	SADIQ.M	28
24.	720916105034	SELVA.G	26
25.	720916105035	SHABIRMON.K.M	30

26.	720916105036	SIBIN SEBASTIAN	30
27.	720916105037	SIJO.P.J	28
28.	720916105038	SIVASHANKAR.C	26
29.	720916105039	SRENI.M.S	30
30.	720916105040	SUDHAKAR S	28
31.	720916105041	SUMITHRA K	26
32.	720916105043	VALLARASU.P	30
33.	720916105044	VISHAL C MENON	28
34.	720916105045	VISHNU.M	26
35.	720916105301	KARTHICK.R	30
36.	720916105302	SOORAJ.J	28





JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on **"Industrial Automation"**

Student Assessment Marks

S. N	REG NUMBER	NAME OF THE STUDENT	Marks
1.	720916105003	ABIJITH.A	28
2.	720916105004	ABIRAM.P	24
3.	720916105005	AKASH.P	26
4.	720916105006	AKHILESH.C	28
5.	720916105007	ALEX K JIJU	30
6.	720916105008	ANANTHI.T	30
7.	720916105009	ANIL KUMAR.M	30
8.	720916105010	ANITHA.C	28
9.	720916105011	ATHIRA.K	30
10.	720916105012	DHARANI.K	26
11.	720916105018	KAVIDASS.K	22
12.	720916105019	KIRAN MOHAN	24
13.	720916105020	MADHU.P	26
14.	720916105021	MIDHILA.R	28
15.	720916105022	MOHAN PRASATH.K	30
16.	720916105023	MUHAMMED FAIS.P	30
17.	720916105024	MURUGAN.M	30
18.	720916105028	NIMCY RANI.S	30
19.	720916105029	NITHEESHVI.S	28
20.	720916105030	RAHUL ROY	24
21.	720916105031	RANJITH.M	26
22.	720916105032	RANJITHA.M	28
23.	720916105033	SADIQ.M	30
24.	720916105034	SELVA.G	30
25.	720916105035	SHABIRMON.K.M	30
26.	720916105039	SRENI.M.S	28
27.	720916105041	SUMITHRA K	30
28.	720916105302	SOORAJ.J	26
29.	720915105002	AISWARYA.M	22
30.	720915105003	ANAS.K.A	24
31.	720915105004	ARJUN.V.P	26
32.	720915105005	DEEPAK.G	28
33.	720915105006	GAYATHIRI.M	30
34.	720915105008	HAREESH.C	30
35.	720915105009	ISMAIL BAZIL.A	30
36.	720915105010	JESHIN DAS T.S	30
37.	720915105011	JITHIN.H	30
38.	720915105013	SALMANUL FARIS.C	30

39.	720915105015	SARAVANA KUMAR.S	30
40.	720915105016	VENGATESAN.	30
41.	720915105017	VINEETH.V	30
42.	720915105018	VISHNU	30



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Pichanur, Coimbatore - 641 105

AUSTRIA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR **Date: 04-12-2018**

Dear Students,

It is here by informed that the department of EEE is organizing seven days certification course on **"MATLAB for Power System"** from **17-12-2018 to 24-12-2018** in the **Automation lab.** The training program is going to conduct by LIVEWIRE, Chennai will grant the course. All the students are instructed to attend and get benefited.

To be read in:-

1) IV Year EEE
2) III Year EEE

HoD/EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on "MATLAB for Power System" on 17-12-2018 to 24-12-2018

Name list and Attendance for the Course

Register number	Student Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
720915105002	AISWARYA.M	✓	✓	✓	✓	✓	✓	✓
720915105003	ANAS.K.A	✓	✓	✓	✓	✓	✓	✓
720915105004	ARJUN.V.P	✓	✓	✓	✓	✓	✓	✓
720915105005	DEEPAK.G	✓	✓	✓	✓	✓	✓	✓
720915105006	GAYATHIRI.M	✓	✓	✓	✓	✓	✓	✓
720915105008	HAREESH.C	✓	✓	✓	✓	✓	✓	✓
720915105009	ISMAIL BAZIL.A	✓	✓	✓	a	✓	✓	✓
720915105010	JESHIN DAS T.S	✓	✓	✓	✓	✓	✓	✓
720915105011	JITHIN.H	✓	✓	✓	✓	✓	✓	✓
720915105013	SALMANUL FARIS.C	✓	✓	✓	✓	✓	✓	✓
720915105014	SARATH CHANDAR K	✓	✓	✓	✓	✓	✓	✓
720915105015	SARAVANA KUMAR.S	✓	✓	✓	✓	✓	✓	✓
720915105016	VENGATESAN.M	✓	✓	✓	✓	✓	✓	✓
720915105017	VINEETH.V	✓	✓	✓	✓	✓	✓	✓
720915105018	VISHNU PRASAD.D	✓	✓	✓	✓	✓	✓	✓
720915105019	ZUNAIR.A	✓	✓	✓	✓	✓	✓	✓
720915105301	ANAS IBN YOUSUF P	✓	✓	✓	✓	✓	✓	✓
720915105302	DENNY ANTO	✓	✓	✓	✓	✓	✓	✓
720915105303	MUHAMMED SHAKIR.K	✓	✓	✓	✓	✓	✓	✓
720915105304	SAINUL NISAM K P	✓	a	✓	✓	✓	✓	✓
Staff Sign								

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on "MATLAB for Power System" on 17-12-2018 to 21-12-2018

Name list and Attendance for the Course

S.NO	REG NUMBER	NAME OF THE STUDENT	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1.	720916105001	ABDUL BASTH.V.M	✓	✓	✓	✓	✓	✓	✓
2.	720916105003	ABIJITH.A	✓	✓	✓	✓	✓	✓	✓
3.	720916105004	ABIRAM.P	✓	✓	✓	✓	✓	✓	✓
4.	720916105005	AKASH.P	✓	✓	✓	✓	✓	✓	✓
5.	720916105006	AKHILESH.C	✓	✓	✓	✓	✓	✓	✓
6.	720916105008	ANANTHI.T	✓	✓	✓	✓	✓	✓	✓
7.	720916105009	ANIL KUMAR.M	✓	✓	✓	✓	✓	✓	✓
8.	720916105010	ANITHA.C	✓	✓	✓	✓	✓	✓	✓
9.	720916105011	ATHIRA.K	✓	✓	✓	✓	✓	✓	✓
10.	720916105012	DHARANI.K	✓	✓	✓	✓	✓	✓	✓
11.	720916105014	GUNASEKARAN.A	✓	✓	✓	A	✓	✓	✓
12.	720916105018	KAVIDASS.K	✓	✓	✓	✓	✓	✓	✓
13.	720916105019	KIRAN MOHAN	✓	✓	✓	✓	✓	✓	✓
14.	720916105020	MADHU.P	✓	✓	✓	✓	✓	✓	✓
15.	720916105021	MIDHILA.R	✓	✓	✓	✓	✓	✓	✓
16.	720916105022	MOHAN PRASATH.K	✓	✓	✓	✓	✓	✓	A
17.	720916105023	MUHAMMED FAIS.P	✓	✓	✓	✓	✓	✓	✓
18.	720916105024	MURUGAN.M	✓	✓	✓	✓	✓	✓	✓
19.	720916105028	NIMCY RANI.S	✓	✓	✓	✓	A	✓	✓
20.	720916105029	NITHEESHVI.S	✓	✓	✓	✓	✓	✓	✓
21.	720916105030	RAHUL ROY	✓	✓	✓	✓	✓	✓	✓
22.	720916105032	RANJITHA.M	✓	✓	✓	✓	✓	✓	✓
23.	720916105033	SADIQ.M	✓	✓	✓	✓	✓	✓	✓
24.	720916105034	SELVA.G	✓	✓	✓	✓	✓	✓	✓
25.	720916105035	SHABIRMON.K.M	✓	✓	✓	✓	✓	✓	✓

26.	720916105036	SIBIN SEBASTIAN	/	/	/	/	/	/	/
27.	720916105037	SIJO.P.J	/	/	/	/	/	/	/
28.	720916105038	SIVASHANKAR.C	/	/	/	/	/	/	/
29.	720916105039	SRENI.M.S	/	/	/	/	/	/	/
30.	720916105040	SUDHAKAR S	/	/	/	/	/	/	/
31.	720916105041	SUMITHRA K	/	/	/	/	/	/	/
32.	720916105043	VALLARASU.P	/	/	/	/	/	a	/
33.	720916105044	VISHAL C MENON	/	/	/	/	/	/	/
34.	720916105045	VISHNU.M	/	a	/	/	/	/	/
35.	720916105301	KARTHICK.R	/	/	/	/	/	/	/
36.	720916105302	SOORAJ.J	/	/	/	/	/	/	/
Staff sign			/						

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Pichanur, Coimbatore - 641 105

TÜV AUSTRIA

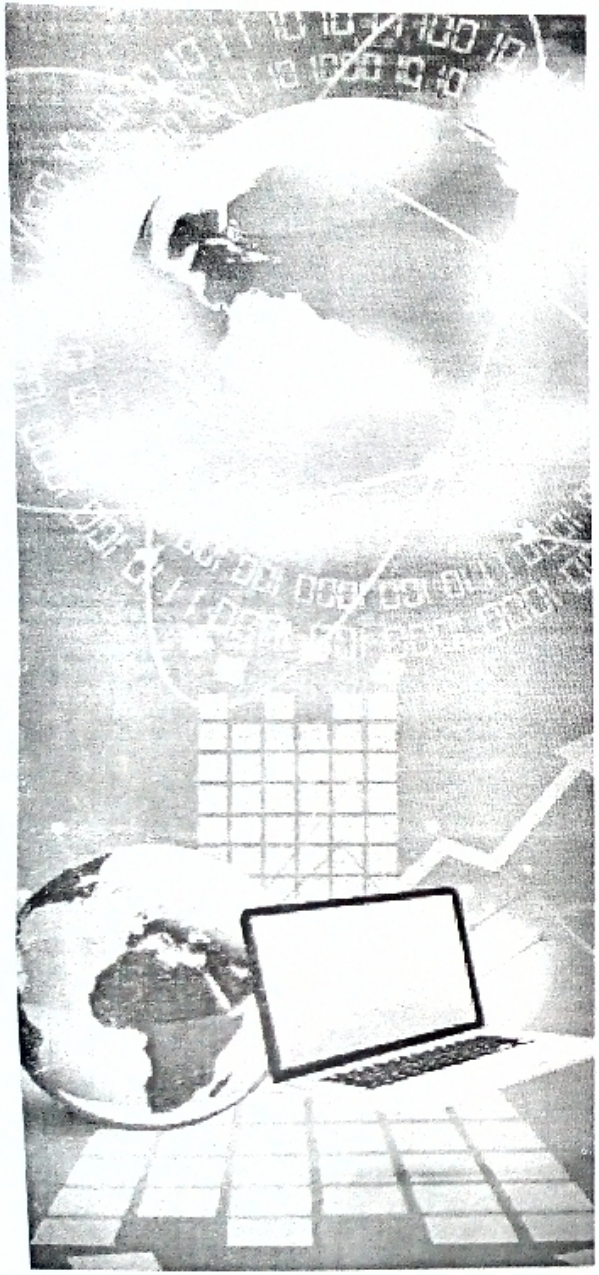
SYLLABUS

Certification course on **"MATLAB for Power System"** from **17-12-2018 to 24-12-2018**

Day	Session	COURSE CONTENT
DAY 1	FN	MATLAB Programming basics
	AN	Model based design using Simulink
DAY 2	FN	State Flow Modeling
	AN	Hands on session on Load Flow Analysis
DAY 3	FN	Short Circuit Analysis
	AN	Mathematical Modeling of Power Converters
DAY 4	FN	Control System Design and Analysis using MATLAB
	AN	Economic Dispatch Control using MATLAB
DAY 5	FN	Interfacing Arduino with MATLAB and Simulink
	AN	Hardware Interface with MATLAB
DAY 6	FN	Interfacing Arduino with MATLAB and Simulink
	AN	Hardware Interface with MATLAB
DAY 7	FN	Practical application of power system
	AN	Discussion of scope in the MATLAB

HOD-EEE

PRINCIPAL



CERTIFICATE OF COMPLETION

Awarded to AISWARYAM

in MATLAB for Power System

at JCT College of Engineering & Technology,Coimbatore

during 17 to 24th Dec2018 *Student ID* LWMAT71531

07-01-2019

MANAGING DIRECTOR | CENTRE HEAD | DATE OF ISSUE

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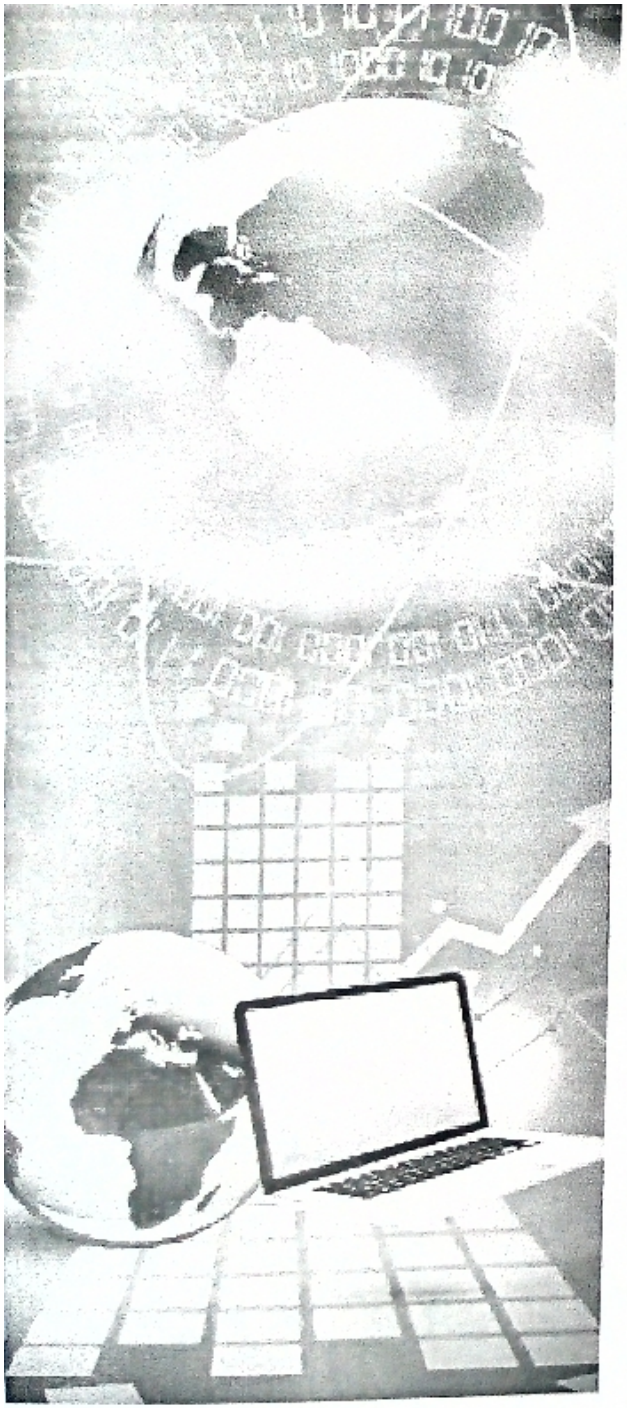

CERTIFICATE OF COMPLETION

Awarded to DEEPAK.G

in MATLAB for Power System

at JCT College of Engineering & Technology,Coimbatore

during 17 to 24th Dec2018 *Student ID* LWMAT7152

MANAGING DIRECTOR

CENTRE HEAD

DATE OF ISSUE

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PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	Haresh. C
Topic Name	:	MATLAB for Power System
Name of the Industry/Training Institute	:	LIVE WIRE
Date	:	24/12/2018

1.Did you find the course useful?

- ✓ Very Useful
- ○ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- ○ No

3.Did you find the Activity useful?

- ✓ Very much
- ○ Not that much
- ○ Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ○ 10
- ○ 9
- ✓ 8
- ○ Below 8

5. Knowledge about Concern Topic

- ○ Excellent
- ✓ Very good
- ○ Good

Signature of the Student

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	D.Harani-K
Topic Name	:	MATLAB for Power System
Name of the Industry/Training Institute	:	LIVE WIRE
Date	:	24/12/2018

1.Did you find the course useful?

- o Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- o No

3.Did you find the Activity useful?

- ✓ Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- o 10
- ✓ 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- ✓ Excellent
- o Very good
- o Good

Signature of the Student

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

"MATLAB FOR POWER ELECTRONICS"COURSE

(ACADEMIC YEAR 2017-2018)

26/30

STUDENT NAME : Akhil.
DATE :

S.NO	Objective type Questions
1.	What is the percentage voltage regulation of short transmission line if its sending end and reciving end voltages are 160 KV and 132 KV respectively? a) 30 %b) 21.21 %c) 12.12 %d) 38.22 %
2.	A single phase transmission line is transmitting 1,100 KW power at 11 KV and at unity power fector. If it has a total resistance of 5 Ω, what is the efficiency of the transmission line? a) 80 %b) 89.65 %c) 97.24 %d) 99.54 %
3.	Choose the correct hierarchy of operations. a) |,&,+,-|b) +,-,&,|c) :,+,-,&d) |,:,&,,^
4.	If a logical expression is true, it will always return a logical 1 and if it's false, it'll always return a 0. a) Trueb) False
5.	What does the function all() do? a) Returns 1 if all elements within it are 0b) Returns 0 if all elements within it are 0 c) Returns 0 if all elements within it are non-zerod) Returns 1 if all elements within it are non-zero
6.	his Matlab command clears all data and variables stored in memory: a). clcb). clearc) deleted) deallocate
7.	What does MatLab consist of? a). MatLab Languageb) MatLab working environment c) Handle Graphicsd) All of the above
8.	Which of the following is used to see if two elements are equal in MATLAB? a) != b). ==c) isequal d). =
9.	**What is the output of the following code?** **isvector((49 32));** a).Error due to commandb).Logical 1c)**Error in** ()correctd).Error due to absence of comma
10.	What is the output of the following code? error(' No !!!!') a) No !!!!b) No !!!!c) Logical Errord) Symbolic error

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

"MATLAB FOR POWER SYSTEM"

(ACADEMIC YEAR 2017-2018)

STUDENT NAME : Zunaria .A
DATE : 24-12-18

26/30

S.NO	Objective type Questions
1.	What is the percentage voltage regulation of short transmission line if its sending end and reciving end voltages are 160 KV and 132 KV respectively? a) 30 %b) 21.21 %c) 12.12 %d) 38.22 %
2.	A single phase transmission line is transmitting 1,100 KW power at 11 KV and at unity power fector. If it has a total resistance of 5 Ω, what is the efficiency of the transmission line? a) 80 %b) 89.65 %c) 97.24 %d) 99.54 %
3.	Choose the correct hierarchy of operations. a) |,&,+,-b) +,-,&,|c) :,+,-,&d) |,:,&,.^
4.	If a logical expression is true, it will always return a logical 1 and if it's false, it'll always return a 0. **a)** Trueb) False
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PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

"MATLAB FOR POWER SYSTEM"

(ACADEMIC YEAR 2017-2018)

STUDENT NAME : C. Hareesh
DATE : 24-12-18

30/30

S.NO	Objective type Questions
1.	What is the percentage voltage regulation of short transmission line if its sending end and reciving end voltages are 160 KV and 132 KV respectively? a) 30 %b) 21.21 %c) 12.12 %d) 38.22 %
2.	A single phase transmission line is transmitting 1,100 KW power at 11 KV and at unity power fector. If it has a total resistance of 5 Ω, what is the efficiency of the transmission line? a) 80 %b) 89.65 %c) 97.24 %d) 99.54 %
3.	Choose the correct hierarchy of operations. a) |,&,+,-b) +,-,&,|c) :,+,-,&d) |,:,&,.^
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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

"MATLAB FOR POWER ELECTRONICS"COURSE

(ACADEMIC YEAR 2017-2018)

26/30

STUDENT NAME : Akhil.
DATE :

S.NO	Objective type Questions
1.	What is the percentage voltage regulation of short transmission line if its sending end and reciving end voltages are 160 KV and 132 KV respectively? a) 30 %b) 21.21 %c) 12.12 %d) 38.22 %
2.	A single phase transmission line is transmitting 1,100 KW power at 11 KV and at unity power fector. If it has a total resistance of 5 Ω, what is the efficiency of the transmission line? a) 80 %b) 89.65 %c) 97.24 %d) 99.54 %
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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

"MATLAB FOR POWER SYSTEM"

(ACADEMIC YEAR 2017-2018)

STUDENT NAME : Zunaria .A
DATE : 24-12-18

26/30

S.NO	Objective type Questions
1.	What is the percentage voltage regulation of short transmission line if its sending end and reciving end voltages are 160 KV and 132 KV respectively? a) 30 %b) 21.21 %c) 12.12 %d) 38.22 %
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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

"MATLAB FOR POWER SYSTEM"

(ACADEMIC YEAR 2017-2018)

STUDENT NAME : C. Hareesh
DATE : 24-12-18

30/30

S.NO	Objective type Questions
1.	What is the percentage voltage regulation of short transmission line if its sending end and reciving end voltages are 160 KV and 132 KV respectively? a) 30 %b) 21.21 %c) 12.12 %d) 38.22 %
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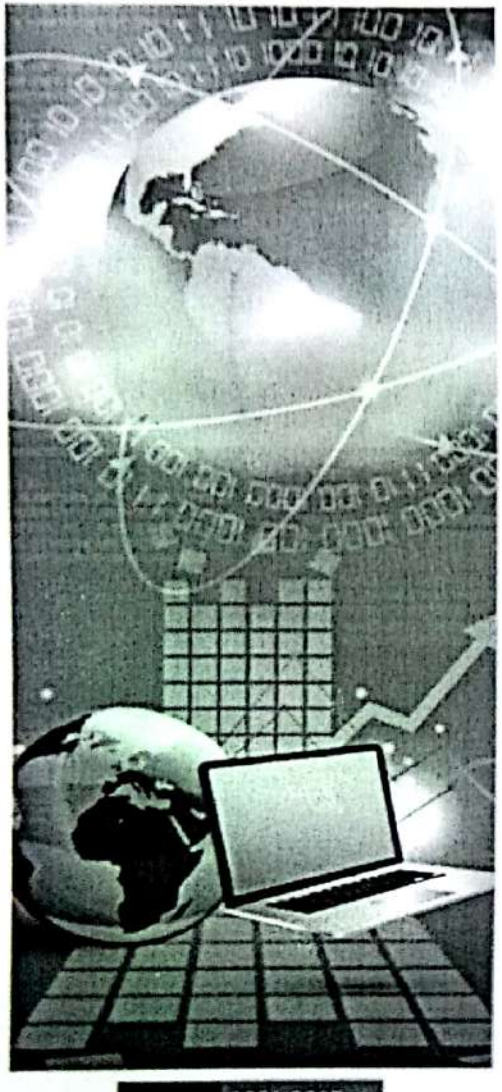

CERTIFICATE OF COMPLETION

Awarded to SHABIRMON.K.M

in MATLAB for Power System

at JCT College of Engineering & Technology,Coimbatore

during 17-12-18 to 24-12-18 *Student ID* LWMAT7178

07-01-2019

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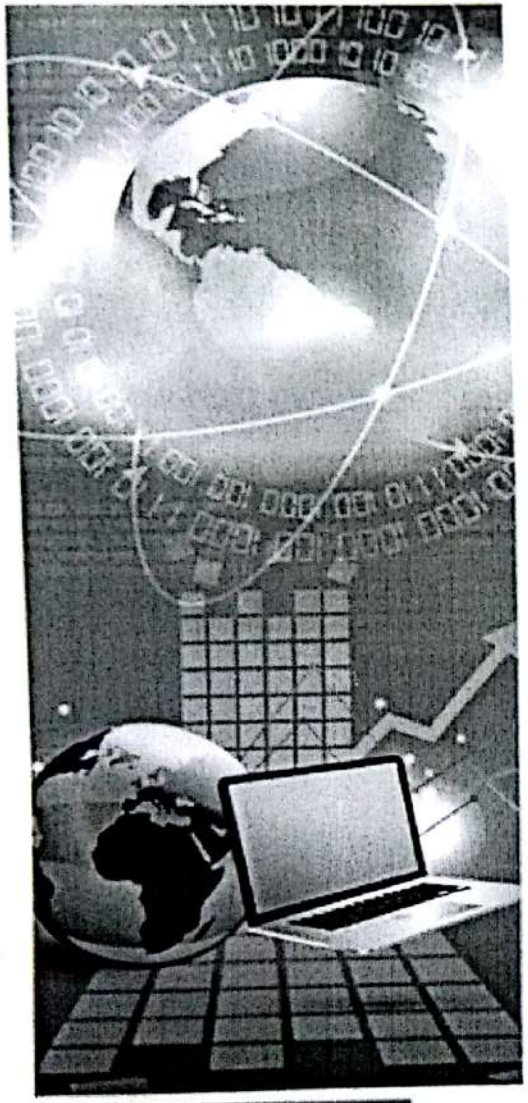

CERTIFICATE OF COMPLETION

Awarded to KAVIDASS.K

in MATLAB for Power System

at JCT College of Engineering & Technology,Coimbatore

during 17-12-18 to 24-12-18 *Student ID* LWMAT7167

MANAGING DIRECTOR

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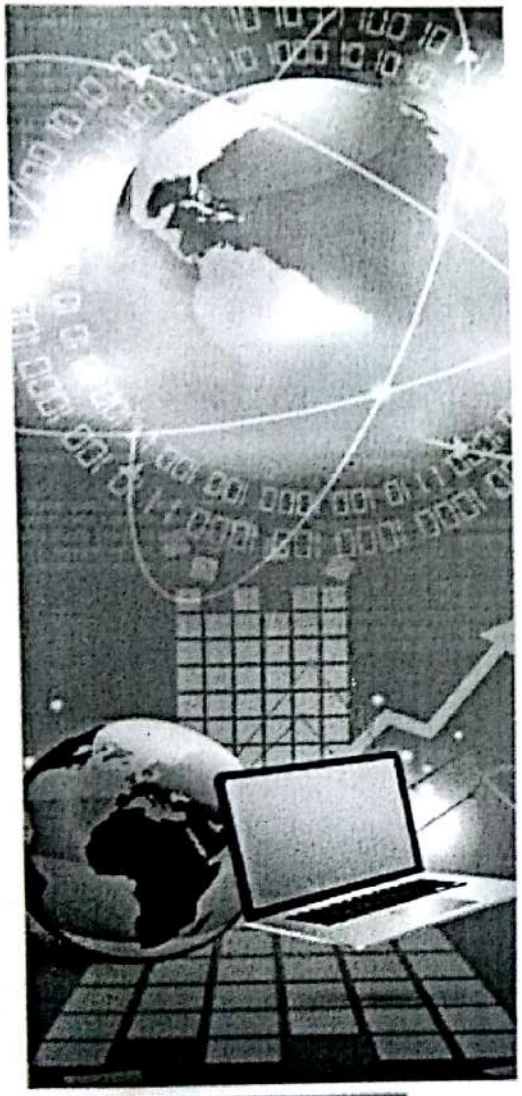

CERTIFICATE OF COMPLETION

Awarded to **DHARANI.K**

in **MATLAB for Power System**

at **JCT College of Engineering & Technology,Coimbatore**

during **17-12-18 to 24-12-18** *Student ID* **LWMAT7165**

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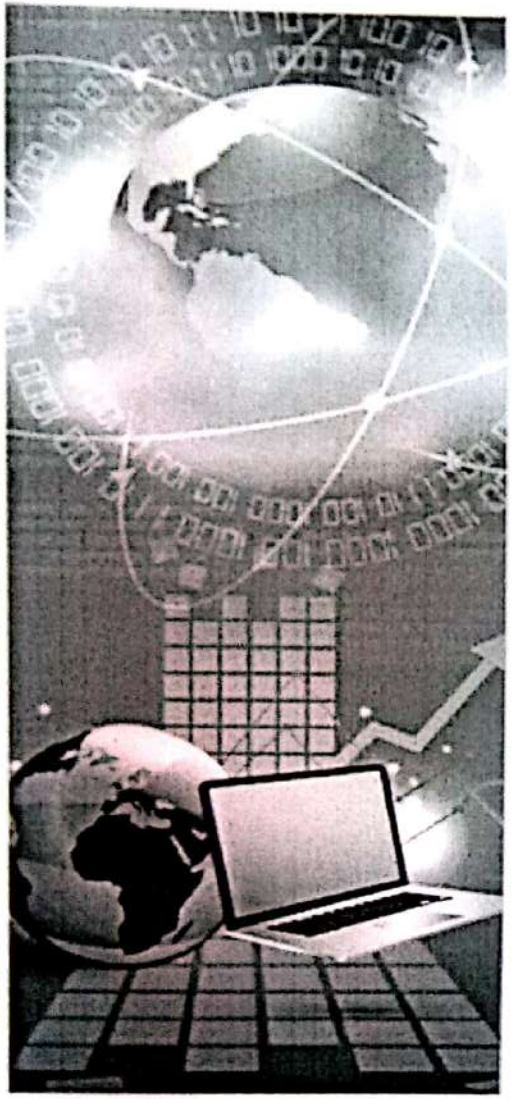

CERTIFICATE OF COMPLETION

Awarded to SELVA.G

in MATLAB for Power System

at JCT College of Engineering & Technology,Coimbatore

during 17-12-18 to 24-12-18 *Student ID* LWMAT7177

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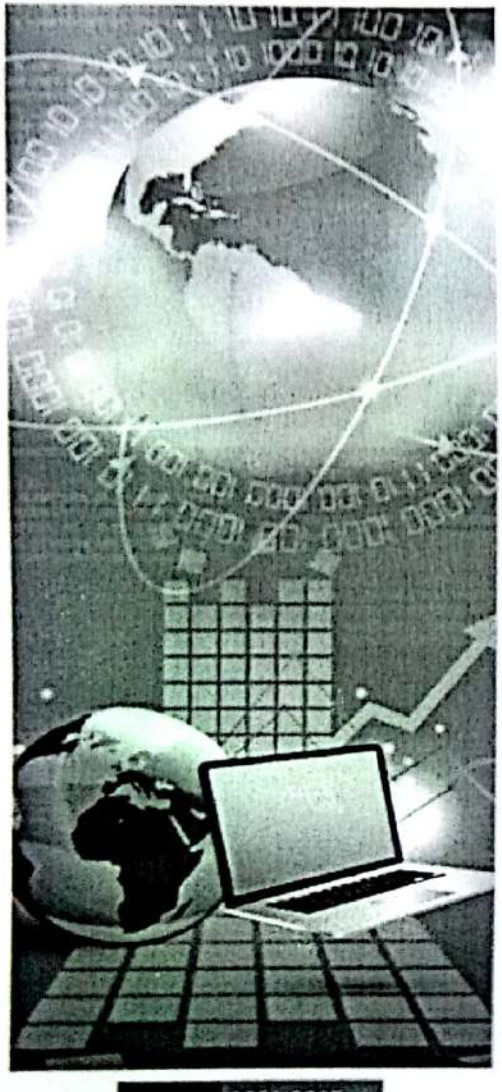

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JCT
College of Engineering and Technology

Dr.K.Geetha
HoD / EEE

From

Date: 18-12-2018

The Head of the Department,
Department of Electrical &Electronics Engineering,
JCT College of Engineering and Technology,
Coimbatore-641105.

To

Mr.Ajith Surendran,
Regional Manager,
IPCS Automation,
Coimbatore-641009.

Dear Sir,

Sub: Inviting for five days course on **"Industrial Automation" –reg.**

As a part of our curriculum we are conducting five days course for the benefits of students. In this connection we request to handle a session for **"Industrial Automation"** on every Saturday of Feb&March2019. Kindly accept our invitation and acknowledge.

Thanking You

HOD/EEE

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE ON "MATLAB FOR POWER SYSTEM"

Resource Person Details

Name of the Resource Person	**AARTI S**
Designation	**Authorized Trainer**
Nationality	INDIAN
Experience & About	3 YEARS
Company Name & Address	No. 91, Dr. Radhakrishnan Salai, 8th Floor, GEE GEE Crystal, office No.8C & 8D, Mylapore, Chennai 600 004.
Telephone No.	8590922922
Fax No.	NIL
E-mail Id.	info@livewireindia.com
Other details if any	LIVEWIRE – A Division of CADD Centre Training Services Pvt Ltd, is an approved Skill Development Partner of National Skill Development Corporation (NSDC). LIVEWIRE promotes a unique combination of technologies that are specific to IT, Computer science, Electronics & Electrical departments. We deal with Emerging technologies like Data science, Machine Learning, IoT, Artificial Intelligence, Blockchain, Full Stack Developer, Cyber security, Automotive Embedded system and many more. LIVEWIRE is present in more than 100 locations in India and over 7 countries.
Website	https://www.livewireindia.com/contact_us.php

WITH REGARDS

AARTI S

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE ON "MATLAB FOR POWER SYSTEM"

Resource Person Details

Name of the Resource Person	**K.SHEEBA**
Designation	**Authorized Trainer**
Nationality	INDIAN
Experience & About	5 YEARS
Company Name & Address	No. 91, Dr. Radhakrishnan Salai, 8th Floor, GEE GEE Crystal, office No.8C & 8D, Mylapore, Chennai 600 004.
Telephone No.	8590922922
Fax No.	NIL
E-mail Id.	info@livewireindia.com
Other details if any	LIVEWIRE – A Division of CADD Centre Training Services Pvt Ltd, is an approved Skill Development Partner of National Skill Development Corporation (NSDC). LIVEWIRE promotes a unique combination of technologies that are specific to IT, Computer science, Electronics & Electrical departments. We deal with Emerging technologies like Data science, Machine Learning, IoT, Artificial Intelligence, Blockchain, Full Stack Developer, Cyber security, Automotive Embedded system and many more. LIVEWIRE is present in more than 100 locations in India and over 7 countries.
Website	https://www.livewireindia.com/contact_us.php

WITH REGARDS

K.SHEEBA

1.3 Curriculum Enrichment (30)				
1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (15)				
2017-2018				
Sl.No	Name of the value added courses (with 30 or more contact hours)offered during last five years	Introduced in Curriculum and year	Offered for students of Program	Signature of HoD
17	HIGH PRESSURE PROCESSING AND PACKAGING	2017-18	Department of Food Technology	
18	DRILLBIT DESIGN AND PERFORATION TECHNIQUES	2017-18	Department of Petroleum Engineering	
19	ELECTRICAL RESISTIVITY SURVEY AND ITS APPLICATIONS IN OIL AND GAS EXPLORATION			
20	OIL AND GAS OFFSHORE SAFTEY			
21	OIL AND GAS OPERATIONS			
22	YOGA	2017-18	Department of Science and Humanities	

Principal

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JCT College of Engineering & Technology
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1.3 Curriculum Enrichment (30)				
1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (15)				
2017-2018				
Sl.No	Name of the value added courses (with 30 or more contact hours)offered during last five years	Introduced in Curriculum and year	Offered for students of Program	Signature of HoD
1	HANDS ON TRAINING ON COMMERICAL VEHICLES	2017-18	Department of Automobile Engineering	
2	HANDS ON TRAINING ON LIGHT VEHICLES			
3	PRO/ENGINEER			
4	ANSYS			
5	PLUMBING FOR RESIDENTIAL BUILDING	2017-18	Department of Civil Engineering	
6	ELECTRICAL WIRING FOR RESIDENTIAL BUILDING			
7	INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING	2017-18	Department of Petrochemical Engineering	
8	PCB DESIGN	2017-18	Department of Electrical and Electronics Engineering	
9	COURSE ON "MATLAB FOR POWER ELECTRONICS "			
10	ROBOTICS AND AUTOMATION	2017-18	Department of Mechanical Engineering	
11	ADVANCED TECHNOLOGY IN HYDRAULICS			
12	IMAGE AND SIGNAL PROCESSING USING MAT LAB	2017-18	Department of Electronics and Communication Engineering	
13	IOT USING RASPBEERY PI	2017-18	Department of Computer Science and Engineering	
14			Department of Electronics and Communication Engineering	
15	ANDROID FOR MOBILE APPLICATION	2017-18	Department of Electronics and Communication Engineering	
16			Department of Computer Science and Engineering	

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JCT College of Engineering & Technology
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JCT College of Engineering and Technology

Minutes of Meeting

Date : 5.6.2017
Time : 2.30 PM
Venue : Seminar Hall
Type : Special meeting to take decision on the conduct of Value added courses for the academic year 2017-18

Members present
1. Principal 2. HOD – Automobile 3. HOD – CSE 4. HOD – Civil 5.HoD – ECE 6. HoD – PE 7. HOD- PCE 8. HoD- S&H 9.HoD – EEE 10. HoD -Mech

Discussion

Planning to conduct Value added courses for benefit of students of below mentioned branches to enhance knowledge in the relevant field. All HoD's are asked to submit the proposal for conducting value added courses in their respective branches.

Resolution:

Based on the submitted proposals, the management is pleased to approve the following Value Added courses can be conducted for this academic year 2017-18.

Department	Name of the Course
AUTO	Hands On Training On Commercial Vehicles, PRO/ENGINEER
AUTO	Hands On Training On Light Vehicles, ANSYS
CIVIL	Plumbing For Residential Building
CIVIL	Electrical Wiring For Residential Building
Mechanical	Advanced Technology in Hydraulics
Mechanical	Robotics and Automation
EEE	Course On "MATLAB for Power Electronics", PCB Design
S & H	YOGA
ECE	Image And Signal Processing Using MATLAB
PE	Drill bit design and Perforation Techniques
PE	Oil And Gas Offshore Safety, Oil and Gas Operations, Electrical Resistivity Survey and its applications in Oil and Gas Exploration
PCE	Introduction To Energy Management And Auditing
CSE , ECE	IOT Using RASPBEERY PI
CSE, ECE	ANTROD for Mobile application
FT	High Pressure Processing and Packaging

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JCT College of Engineering & Technology
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JCT College of Engineering and Technology

Pitchanur
05.06.2017

To Whomsoever it may concern

We have planned to organize the following Value added courses in this academic year 2017-18 for the benefits of students of various branches of our institution. **Herewith we are declaring that the below claimed Value added course is not in the main regular curriculum.**

Department	Name of the Course
AUTO	Hands On Training On Commercial Vehicles, PRO/ENGINEER
AUTO	Hands On Training On Light Vehicles, ANSYS
CIVIL	Plumbing For Residential Building
CIVIL	Electrical Wiring For Residential Building
Mechanical	Advanced Technology in Hydraulics
Mechanical	Robotics and Automation
EEE	Course On "MATLAB for Power Electronics", PCB Design
S & H	YOGA
ECE	Image And Signal Processing Using MATLAB
PE	Drill bit design and Perforation Techniques
PE	Oil And Gas Offshore Safety, Oil and Gas Operations, Electrical Resistivity Survey and its applications in Oil and Gas Exploration
PCE	Introduction To Energy Management And Auditing
CSE , ECE	IOT Using RASPBEERY PI
CSE, ECE	ANTROD for Mobile application
FT	High Pressure Processing and Packaging

Principal

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Pichanur, Coimbatore - 641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Automobile Engineering

TÜV AUSTRIA

20.11.2018

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"ANSYS"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"ANSYS"** for the II and III Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	ARRIS CADD TECHNOLOGY Coimbatore	Department of Automobile Engineering	17.12.2018 to 27.12.2018

Thanking you

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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COIMBATORE 641 105

Department of Automobile Engineering

TÜV AUSTRIA

CIRCULAR

07.12.2017

It is here by informed that the department of Automobile is organizing certificate course on **"ANSYS"** from 17-12-2017 to 30-12-2017.All the students are instructed to attend and get benefited.

To be read in:-

1) II Year Auto
2) III year Auto

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

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Department of Automobile Engineering

CERTIFICATE COURSE ON ANSYS

TIME TABLE

DATE	TIMING	TOPIC
18-12-2017 Monday	10.00 am to 5 pm	INTRODUCTION TO FEA AND ANSYS, BASIC SOLID MODELING
19-12-2017 Tuesday	10.00 am to 5 pm	ADVANCED SOLID MODELING,
20-12-2017 Wednesday	10.00 am to 5 pm	FINITE ELEMENT MODELING (FEM) – I
21-12-2017 Thursday	10.00 am to 5 pm	SOLUTION AND POSTPROCESSOR,
22-12-2017 Friday	10.00 am to 5 pm	STATIC STRUCTURAL ANALYSIS
23-12-2017 Monday	10.00 am to 5 pm	ADVANCED STRUCTURAL ANALYSIS (DYNAMIC AND NONLINEAR),
27-12-2017 Tuesday	10.00 am to 5 pm	THERMAL ANALYSIS
28-12-2017 Wednesday	10.00 am to 5 pm	PRACTICES CLASS

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Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: ANSYS

S.NO	NAME OF THE STUDENT	REMARKS
1	ABU HASIM.A	
2	AFSAL.K.A	
3	AGNEY NARAYAN M	
4	AJITHKUMAR.A	
5	AJMAL.U	
6	ALI BASHIK.T.P	
7	ANANDHU S	
8	ANAS A	
9	ANEESH.P.K	
10	ARMSTRONG.S	
11	ARUNJITH.RAJU	
12	ARUNKUMAR.A	
13	BILAL SADIQU	
14	CHANDRAKUMAR.R	
15	IRSHADUDHEEN	
16	JOSHI.M	
17	JOYAL SHAJI MATHEW	
18	KIRAN K K	
19	MAHENDRAN.D	
20	MANIKANDAN S	
21	MIDHUN DAS M	
22	MOHAMED ASHFAQ.A	

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23	MOHAMED ASHIK.E	
24	MOHAMMED IBRAHIM.P.U	
25	MOHAMMED ISMAIL R	
26	MOHAMMED SHABEEB.P	
27	MUHAMMED SHAHEEN	
28	NIKESH MOHAN.P	
29	NITHINUNNI	
30	PRANAV BINU	
31	RAGURAM.R	
32	RAHUL RAJEEV	
33	RANJITH KUMAR N	
34	RETHUL A R	
35	SAKTHI MANI.M	
36	SANJAY N V	
37	SHAEED I	
38	SHARAN G	
39	SHOJAY.J	
40	SHUHAIL.P.H	
41	TAMILARASU.S	
42	VINEESH.V.P	
43	VISHNU DAS.K.K	
44	JEEVANANTHAM.N	
45	SOORAJ.S DEV	
46	VINEETH.MP	

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S.NO	NAME OF THE STUDENT	
1	AJAYGHOSH.K.M	
2	AJITH.R	
3	ALAN T RAJU	
4	ANAND.M	
5	ANIS MOHAMMED A	
6	ANURAG BALAGOPAL	
7	ARAVINTHA SAMY.S	
8	ARIVAZHAGAN.K	
9	ARUNMANI.R	
10	BALA MANIKANDAN.R	
11	GOKUL.K	
12	GOKUL.M.S	
13	JIJO RAM.V.S	
14	MOHAMMED NAFIH ROSHAN	
15	MOHAMMED NOUFAL	
16	MUHAMMED YAZER.T.P	
17	NANDU KRISHNAN	
18	PRITHIVRAJ.S	
19	RAHUL.T.P	
20	SARATH KUMAR.K	
21	SHIHAB	
22	SUBASH.R	
23	THIRUNAVKKARASU.D	

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24	VASANTH N	
25	ASARUDHEEN.M	
26	BEBIN.C	
27	GOWTHAM.S	
28	KIRAN.T.M	
29	SHIYON ROY K	
30	VISHNU K J	

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ATTENDANCE SHEET

Name of the Program: ANSYS

S.NO	NAME OF THE STUDENT	11/12	11/12	18/12	19/12	20/12	19/12	24/12	24/12	21/12	24/12	22/12	22/12	24/12
1	ABU HASIM.A	/	/	/	/	/	/	/	/	/	/	/	a	/	/
2	AFSAL.K.A	/	/	/	/	a	/	/	/	/	/	/	/	/	
3	AGNEY NARAYAN M	a	a	/	/	/	/	/	/	/	/	/	/	/	/
4	AJITHKUMAR.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	AJMAL.U	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	ALI BASHIK.T.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	ANANDHU S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	ANAS A	/	/	/	/	/	/	/	a	a	/	/	/	/	/
9	ANEESH.P.K	/	/	/	/	/	/	/	/	/	/	/	/	a	a
10	ARMSTRONG.S	/	/	a	/	/	/	/	a	/	/	/	/	/	/
11	ARUNJITH.RAJU	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	ARUNKUMAR.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	BILAL SADIQU	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	CHANDRAKUMAR.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	IRSHADUDHEEN	/	/	/	/	/	/	/	/	/	/	/	/	a	/
16	JOSHI.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	JOYAL SHAJI MATHEW	/	/	a	/	/	/	/	/	/	/	/	/	a	/
18	KIRAN K K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	MAHENDRAN.D	/	/	/	/	/	/	/	/	/	/	a	a	/	a
20	MANIKANDAN S	/	/	/	/	a	a	/	/	/	/	/	/	/	/
21	MIDHUN DAS M	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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23	MOHAMED ASHIK.E	/	/	/	/	/	/	/	a	a	/	/	/	/	
24	MOHAMMED IBRAHIM.P.U	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	MOHAMMED ISMAIL R	a	a	/	/	/	/	/	/	/	/	/	/	/	/
26	MOHAMMED SHABEEB.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	MUHAMMED SHAHEEN	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	NIKESH MOHAN.P	/	/	/	a	a	/	/	/	/	/	/	/	/	/
29	NITHINUNNI	/	/	/	a	/	/	/	/	/	a	/	/	/	/
30	PRANAV BINU	/	/	/	/	/	/	/	/	/	/	/	/	a	a
31	RAGURAM.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	RAHUL RAJEEV	/	/	/	/	/	/	/	/	a	a	/	/	/	/
33	RANJITH KUMAR N	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	RETHUL A R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	SAKTHI MANI.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	SANJAY N V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	SHAEED I	/	/	/	/	/	/	/	a	a	/	/	/	/	/
38	SHARAN G	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	SHOJAY.J	/	/	/	/	/	/	/	/	a	/	/	/	a	
40	SHUHAIL.P.H	/	/	/	/	/	/	/	/	/	/	a	/	/	
41	TAMILARASU.S	/	/	/	/	/	a	/	/	/	a	/	/	/	/
42	VINEESH.V.P	/	/	/	/	/	a	/	/	/	/	/	a	/	/
43	VISHNU DAS.K.K	a	/	/	/	/	a	/	/	/	/	/	/	/	a
44	JEEVANANTHAM.N	/	/	/	/	/	/	/	/	a	/	/	/	/	/
45	SOORAJ.S DEV	/	/	/	/	/	/	a	/	a	/	/	/	a	/
46	VINEETH.MP	/	/	/	/	/	a	/	/	/	/	/	/	a	/

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Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **ANSYS**

S.NO	NAME OF THE STUDENT														
1	AJAYGHOSH.K.M	/	/	/	a	a	/	/	/	/	a	a	a	/	/
2	AJITH.R	/	/	/	/	/	/	a	a	a	/	/	/	/	/
3	ALAN T RAJU	/	/	/	/	a	a	/	/	/	/	/	/	/	a
4	ANAND.M	/	/	/	a	a	/	/	/	/	/	/	/	/	/
5	ANIS MOHAMMED A	a	a	/	/	/	/	/	/	/	/	/	/	/	/
6	ANURAG BALAGOPAL	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	ARAVINTHA SAMY.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	ARIVAZHAGAN.K	a	a	/	/	/	/	/	/	/	/	/	/	/	/
9	ARUNMANI.R	/	/	/	a	a	/	/	/	/	/	a	a	a	
10	BALA MANIKANDAN.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	GOKUL.K	a	a	/	/	/	/	/	/	/	/	a	a	a	
12	GOKUL.M.S	/	/	/	/	/	/	/	a	a	a	a	a	/	/
13	JIJO RAM.V.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	MOHAMMED NAFIH ROSHAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	MOHAMMED NOUFAL	a	a	a	/	/	/	/	/	/	/	/	/	/	/
16	MUHAMMED YAZER.T.P	/	/	/	a	a	a	a	/	/	/	/	/	/	/
17	NANDU KRISHNAN	/	/	/	a	a	a	a	/	/	/	/	/	/	/
18	PRITHIVRAJ.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	RAHUL.T.P	a	a	/	/	/	/	/	/	/	/	/	/	/	/
20	SARATH KUMAR.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	SHIHAB	a	a	a	a	a	/	/	/	/	/	/	/	/	/
22	SUBASH.R	a	a	/	/	/	/	/	/	/	/	/	/	/	/

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23	THIRUNAVKKARASU.D													
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29	SHIYON ROY K													
30	VISHNU K J													

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ANSYS Syllabus

1: INTRODUCTION TO FEA AND ANSYS

Introduction to FEA
- General Working of FEA
- Nodes, Elements, and Element Shapes
- General Procedure of Conducting Finite Element Analysis
- FEA through ANSYS
- Effective Utilization of FEA
- FEA Software
- Advantages and Limitations of FEA Software

Key Assumptions in FEA
- Assumptions Related to Geometry
- Assumptions Related to Material Properties
- Assumptions Related to Boundary Conditions
- Assumptions Related to Fasteners

Types of Analysis
- Structural Analysis Thermal
- Analysis Fluid Flow Analysis
- Electromagnetic Field
- Analysis Coupled Field
- Analysis

Important Terms and Definitions
- Strength (Resistance to Deformation)
- Load
- Stress Strain
- Elastic Limit
- Ultimate Strength
- Factor of Safety

- Lateral Strain and Poisson's Ratio
- Bulk Modulus
- Creep
- Engineering Materials

Introduction to ANSYS

System Requirements Getting Started with ANSYS
- Interactive Mode
- Batch Mode
- Starting a New File Using the ANSYS Product Launcher window

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ANSYS Output Window
ANSYS Metaphysics Utility Menu Window (ANSYS Session)
Utility Menu
Main Menu
Graphics Area
Standard Toolbar
ANSYS Command Prompt
Command Window Icon
Raise Hidden Icon
Reset Picking
Contact Manager
ANSYS Toolbar
Model Control Toolbar
User Prompt Information
Current Settings
Setting the Analysis Preferences
Units in ANSYS
Other Important Terms Related to ANSYS
Dialog Boxes
Graphics Display
Panning, Zooming, and Rotating the Model
Dividing the Graphics Area
The Pan-Zoom-Rotate Dialog Box
Graphics Picking
Using Mouse Buttons for Picking
ANSYS Database and Files
Saving the File
Resuming the File
Clearing the Database
Some Basic Steps in General Analysis Procedure
Points to Remember while Performing an Analysis
Exiting ANSYS
Self-Evaluation Test

2: BASIC SOLID MODELING
Solid Modeling in ANSYS
Solid Modeling and Direct Generation
Solid Modeling Methods
Bottom-up Construction
Top-down Construction
Considerations before Creating a Model for Analysis
Details Required
Symmetry
Creating Geometric Entities
Creating Lines
Creating Arcs
Creating B-Spines
Creating Fillets between Intersecting Lines
Creating Areas
Creating and Modifying Work planes
Display Working Plane
Show WP Status
WP Settings
Offset WP by Increments
Offset WP to
Align WP with
Coordinate Systems in ANSYS
Global Coordinate System
Local Coordinate System
Active Coordinate System
Display Coordinate System
Nodal Coordinate System
Element Coordinate System
Results Coordinate System
Creating New Coordinate Systems
Deleting Existing Coordinate

3: ADVANCED SOLID MODELING
Advanced Solid Modeling
Creating Volumes
Extruding Entities
Extending the Line
Creating Complex Solid Models by Performing Boolean
Operations Modifying the Solid Model
Scale
Move
Copy
Reflect
Deleting Solid Model Entities
Importing Solid Models

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Importing the IGES File
Importing Models from Pro/ENGINEER
Importing the Model from Unigraphics

4: FINITE ELEMENT MODELING (FEM) – I
An Overview of the Finite Element Modeling
Element Attributes
Element Types
Reasons Why ANSYS has a Large Element Library
Real Constants
Material Properties
Multiple Attributes
Assigning Multiple Attributes before
Meshing Assigning Default Attributes before
Meshing Modifying Attributes after Meshing
Verifying Assigned Attributes
Element Attributes Table

5: FINITE ELEMENT MODELING (FEM) – II
Finite Element Modeling (FEM) - II
Mesh Generation
Mesh Density
Meshing the Solid Model
Setting Element Attributes
Defining the Mesh
Defining the Entity to be Meshed
Defining the Meshing Type
Meshing the Model
Refining the Mesh Locally
Extruding the Mesh
Transitional Pyramid Elements
Requirements for Creating Pyramid Elements
Creating Transitional Pyramid Elements (Hex-to-Tet Meshing)
Converting Degenerate Tetrahedral (20 nodes) Elements into
Non-degenerate (10 nodes) Tetrahedral Elements Plotting
Pyramid Elements
Meshing the Beam with Orientation Nodes
Creating the Beam Mesh with Orientation Nodes
Creating the Beam Mesh with Two Orientation Nodes

Improving the Tetrahedral Element Meshes
Improving Tetrahedral Meshed Volumes by Using Volumes
Improving Tetrahedral Meshed Volumes by Using Detached Elements
Some Additional Tips while Meshing the
Model Applying Loads
The Nodal Coordinate System
Loads in Different Disciplines
Types of Loads in ANSYS
Load Steps, Sub steps, and Time
Applying Loads
Deleting Loads
Deleting DOF Constraints
Deleting all Loads and Load Step Options
Deleting all Loads Applied on Solid Model
Deleting all Loads Applied on Finite Element Model

6: SOLUTION AND POSTPROCESSOR
Solution
Defining the New Analysis Type
Restarting the Analysis Setting
Solution Controls Setting
Analysis Options Solving the
Analysis Problem
Post processing the Result
POST1 (General Postprocessor) POST26 (Time-
history Postprocessor) Result Coordinate System
(RSYS) Displaying the Deformed Shape of the
Model Displaying the Minimum and Maximum
Stresses Listing Reaction Forces

Listing Stress Values at each Node
Query Picking
Path Operations
Load Case Combinations

7: STATIC STRUCTURAL ANALYSIS
Effect of self-weight on a cantilever beam
Analysis of a bicycle handle
Analysis of a stud (pin)
Analysis of a master

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8: ADVANCED STRUCTURAL ANALYSIS (DYNAMIC AND NONLINEAR)

Advanced Structural Analysis
- Dynamic Analysis

Performing the Modal Analysis
- Specifying the Analysis Type, Analysis Options, and Applying Loads Obtaining the Solution
- Reviewing Results

Performing the Harmonic Analysis
- Specifying the Analysis Type, Analysis Options, and Applying Loads Obtaining the Solution
- Reviewing Results

Performing the Transient Analysis
- Specifying the Analysis Type, Analysis Options, and Applying Loads Obtaining the Solution
- Reviewing Results

Nonlinear Analysis
- Geometric Nonlinearity
- Material Nonlinearity
- Boundary Nonlinearity (Changing Status)
- Performing the Nonlinear Analysis
- Specifying the Analysis Type, Setting Solution Controls, and Applying Loads
- Obtaining the Solution

9: ADVANCED STRUCTURAL ANALYSIS
- Steel tubes and springs structure
- Modal analysis of an airplane wing
- Nonlinear analysis (material nonlinearity)

10: THERMAL ANALYSIS

Thermal Analysis

Important Terms Used in Thermal Analysis
- Heat Transfer Modes
- Thermal Gradient Thermal
- Flux Bulk Temperature
- Film Coefficient Emissivity
- Stefan–Boltzmann Constant
- Thermal Conductivity
- Specific Heat

Types of Thermal Analysis
- Steady-State Thermal Analysis
- Transient Thermal Analysis

Performing Steady-State Thermal Analysis
- Setting the Analysis Preference
- Creating or Importing a Solid Model
- Defining Element Attributes
- Meshing the Solid Model
- Specifying the Analysis Type, Analysis Options, and Applying Loads
- Solving the Analysis Problem
- Post processing Results
- Performing Transient Thermal Analysis
- Specifying the Analysis Type and Setting Solution Controls

11: GENERATING THE REPORT OF ANALYSIS
- Starting the ANSYS Report Generator
- Capturing Images for the Report
- Capturing Animations for the Report
- Capturing Data Tables for the Report
- Capturing Lists for the Report
- Compiling the Report
- Changing the Default Settings of the ANSYS Report Generator

Error Estimation in Solution
- Percentage Error in Energy Norm (SEPC)
- Element Energy Error (SERR)
- Element Stress Deviations (SDSG)
- Maximum and Minimum Stress Bounds (SMXB and SMNB)

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TÜV AUSTRIA

Department of Automobile Engineering

Student Feedback

Name of the Student: Thirunavbbarasu. D Sex (M/F): M

Department: Auto E-mail sdlroyal@gmail.com

Address: JCT Boys Hostel mobile 9750068072

Students are required to rate the courses

Name of the Trainer: Arovinth

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback	✓			
10. Overall rating	✓			

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Signature of HOD

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms **ABU HASIM.A** has successfully completed the d Course on **ANSYS** from 17.12.2018 to 27.12.2018. His performance during this training period was Very Good.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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Pichanur, Coimbatore-641105

DEPARTMENT OF AUTOMOBILE ENGINEERING

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms **SHAEED I** has successfully completed the Course on **ANSYS** from 17.12.2017 to 30.12.2017. His performance during this training period was Very Good.

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Pichanur, Coimbatore-641105

DEPARTMENT OF AUTOMOBILE ENGINEERING

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms **ABU HASIM.A** has successfully completed the Course on **ANSYS** from 17.12.2017 to 30.12.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms AFSAL.K.A has successfully completed the Course on ANSYS from 17.12.2017 to 30.12.2017. His performance during this training period was Very Good.

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Pichanur, Coimbatore - 641105

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms MIDHUN DAS M has successfully complete the Course on ANSYS from 17.12.2017 to 30.12.2017. His performance during this training period was Very Good.

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JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

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DEPARTMENT OF AUTOMOBILE ENGINEERING

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms **ARUNMANI.R** has successfully completed the Course on **ANSYS** from 17.12.2017 to 30.12.2017. His performance during this training period was Very Good.

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Automobile Engineering

TÜV AUSTRIA

28.05.2018

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"HANDS ON TRAINING ON COMMERCIAL VEHICLES"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"HANDS ON TRAINING ON COMMERCIAL VEHICLES"** for the III and IV Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	Sree Saradhambal automobile Pvt Ltd	Department of Automobile Engineering	25.06.2018 to 02.07.2018

Thanking you

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105

TÜV AUSTRIA

Department of Automobile Engineering

VALUE ADDED COURSE ON COMMERCIAL VEHILES

TIME TABLE

DATE	TIMING	TOPIC
25-06-2018 Wednesday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle tyres and wheels
26-06-2018 Thursday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle engine
27-06-2018 Friday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle clutches
28-06-2018 Saturday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle Transmission
30-06-2018 Monday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle steering system
31-06-2018 Tuesday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle Breaks
01-07-2018 Wednesday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle suspension system

PRINCIPAL
JCT College of Engineering & Technology
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HEAD OF THE DEPARTMENT
Department of Automobile Engineering
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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	
1	AJITH.U	
2	ANJO ANTONY	
3	ARUN KRISHNA.V	
4	ASIF SHAMEEM	
5	ATHUL KRISHNA.EM	
6	CHRISTIN SAM	
7	DHANABAL.B	
8	DILEEP.B	
9	EBENEZER DOSS.D	
10	GOWTHAM.J	
11	IJAS AHMED	
12	JISTO JAMES	
13	KISHORE.T.S	
14	MARIKUMAR.M	
15	MOHAMMED JASEEM P.T	
16	MUHAMMED ASHIQUE	
17	PRAJOSH.V.B	
18	PRAVEEN KUMAR.R	
19	PREM KUMAR.S	
20	RAGHUL ANAND.R	
21	RAJAT.S.RAMESH	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

22	RANADEV.K.S	
23	SABARISH.V	
24	SAJITH.M.S	
25	SAKTHIVEL. B	
26	SARATH.S	
27	SAYYID JOWHAR.K.P	
28	SHAKKIR.C.S	
29	SIDHARTH.S.NAIR	
30	YESWANTH.R	
31	ANISH.I	
32	GOKUL.S	
33	INDRAJITH NANDHAN	
34	IYADURAI.S	
35	NIHAL ABDUL KAREEM	
36	ROBIN KC	

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JCT College of Engineering & Technology
Pichanur, Coimbatore

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	
1	AJITH.U	
2	ANJO ANTONY	
3	ARUN KRISHNA.V	
4	ASIF SHAMEEM	
5	ATHUL KRISHNA.EM	
6	CHRISTIN SAM	
7	DHANABAL.B	
8	DILEEP.B	
9	EBENEZER DOSS.D	
10	GOWTHAM.J	
11	IJAS AHMED	
12	JISTO JAMES	
13	KISHORE.T.S	
14	MARIKUMAR.M	
15	MOHAMMED JASEEM P.T	
16	MUHAMMED ASHIQUE	
17	PRAJOSH.V.B	
18	PRAVEEN KUMAR.R	
19	PREM KUMAR.S	
20	RAGHUL ANAND.R	
21	RAJAT.S.RAMESH	

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Department of Automobile Engineering

22	RANADEV.K.S	
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26	SARATH.S	
27	SAYYID JOWHAR.K.P	
28	SHAKKIR.C.S	
29	SIDHARTH.S.NAIR	
30	YESWANTH.R	
31	ANISH.I	
32	GOKUL.S	
33	INDRAJITH NANDHAN	
34	IYADURAI.S	
35	NIHAL ABDUL KAREEM	
36	ROBIN KC	

PRINCIPAL
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COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	
1	AJITH.U	
2	ANJO ANTONY	
3	ARUN KRISHNA.V	
4	ASIF SHAMEEM	
5	ATHUL KRISHNA.EM	
6	CHRISTIN SAM	
7	DHANABAL.B	
8	DILEEP.B	
9	EBENEZER DOSS.D	
10	GOWTHAM.J	
11	IJAS AHMED	
12	JISTO JAMES	
13	KISHORE.T.S	
14	MARIKUMAR.M	
15	MOHAMMED JASEEM P.T	
16	MUHAMMED ASHIQUE	
17	PRAJOSH.V.B	
18	PRAVEEN KUMAR.R	
19	PREM KUMAR.S	
20	RAGHUL ANAND.R	
21	RAJAT.S.RAMESH	

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Department of Automobile Engineering

22	RANADEV.K.S	
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24	SAJITH.M.S	
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26	SARATH.S	
27	SAYYID JOWHAR.K.P	
28	SHAKKIR.C.S	
29	SIDHARTH.S.NAIR	
30	YESWANTH.R	
31	ANISH.I	
32	GOKUL.S	
33	INDRAJITH NANDHAN	
34	IYADURAI.S	
35	NIHAL ABDUL KAREEM	
36	ROBIN KC	

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COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

CIRCULAR

18.06.2018

It is here by informed that the department of Automobile is organizing value added course on "**HANDS ON TRAINING ON COMMERCIAL VEHICLES**" from 25-06-2018 to 02-07-2018.All the students are instructed to attend and get benefited.

To be read in:-

1) IV Year Auto
2) III year Auto

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

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COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	25/6/12	25/6/12	26/6/12	26/6/12	27/6/12	27/6/12	28/6/12	28/6/12	28/6/12	29/6/12	30/6/12	30/6/12	2/7/12	2/7/12
1	ALBERT ANTO														
2	ANTONY VIJAY.A														
3	ANTO TENSON														
4	ARUN KRISHNA.M.K														
5	ASHIK														
6	BINU BRISTON.J.C														
7	BONEYNATH.A														
8	HILLER.M														
9	JAYA GANESH.N														
10	JISHNU.K.K														
11	JOSE JOHN														
12	MOHAMED ASHIQ														
13	MOHAMMED THANZEER.K.A														
14	MOHAMMED ASFAR.K														
15	NAGA PRAVEEN.V														
16	NAVEEN KUMAR.S														
17	PRANAV.P														
18	PRINCE PAUL														
19	RAHUL.P.S														
20	ROHITH KUMAR V.M														
21	VISHNU VIJAYAN														
22	VIVEK THOMAS														
23	ABDUL SALAM														
24	AJMAL														
25	AKHIL														
26	AMITH SAINATH														
27	ASHIK														
28	DINESH KUMAR														
29	LOKESHWARAN														
30	MARIMUTHU														
31	XAVIOR RAJKUMAR														
32	AJITHKUMAR														
33	NAUSHEER														

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

AUTHORISED MARUTI DEALER

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	25/6/18	26/6/18	27/6/18	28/6/18	29/6/18	30/6/18	1/7/18	2/7/18
1	AJITH.U								
2	ANJO ANTONY								
3	ARUN KRISHNA.V								
4	ASIF SHAMEEM								
5	ATHUL KRISHNA.EM								
6	CHRISTIN SAM								
7	DHANABAL.B								
8	DILEEP.B								
9	EBENEZER DOSS.D								
10	GOWTHAM.J								
11	IJAS AHMED								
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18	PRAVEEN KUMAR.R								
19	PREM KUMAR.S								
20	RAGHUL ANAND.R								
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22	RANADEV.K.S								
23	SABARISH.V								
24	SAJITH.M.S								
25	SAKTHIVEL. B								
26	SARATH.S								
27	SAYYID JOWHAR.K.P								
28	SHAKKIR.C.S								
29	SIDHARTH.S.NAIR								
30	YESWANTH.R								
31	ANISH.I								
32	GOKUL.S								
33	INDRAJITH NANDHAN								
34	IYADURAI.S								
35	NIHAL ABDUL KAREEM								
36	ROBIN KC								

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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TRAINING SYLLABUS FOR COMMERICAL VEHICLES

1. Tyres & Wheels
2. Engines
3. Clutches
4. Transmission
5. Steering
6. Revision to Basic Concepts
7. Breaks
8. Suspension
9. Study Materials

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HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

Student Feedback

Name of the Student: Ajith.V Sex (M/F): M

Department: Auto E-mail Ajith.Nkp@gmail.com

Address: No: 7/3, Kuyil street, Coimbatore mobile 9957031430

Students are required to rate the courses

Name of the Trainer: Vijay Kumar.

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback	✓			
10. Overall rating	✓			

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Signature of HOD

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. HILLER.M has completed "Hands on training on commercial vehicles" from 25.06.2018 to 02.07.2018 .His performance during this training period was Very Good.

DATE: 02.07.2018

PRINCIPAL
ICT College of Engineering & Technology
Pichanur, Coimbatore -641105

Director

ambal AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. JAYA GANESH.N has completed "Hands on training on commercial vehicles" from 25.06.2018 to 02.07.2018 .His performance during this training period was Very Good.

DATE: 02.07.2018

PRINCIPAL

Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. HILLER.M has completed "Hands on training on commercial vehicles" from 25.06.2018 to 02.07.2018 .His performance during this training period was Very Good.

DATE: 02.07.2018

PRINCIPAL
JCT College of Engineering & Technology

Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. AMITH SAINATH has completed "Hands on training on commercial vehicles" from 25.06.2018 to 02.07.2018 .His performance during this training period was Very Good.

DATE: 02.07.2018

PRINCIPAL
JCT College of Engineering & Technology

Director

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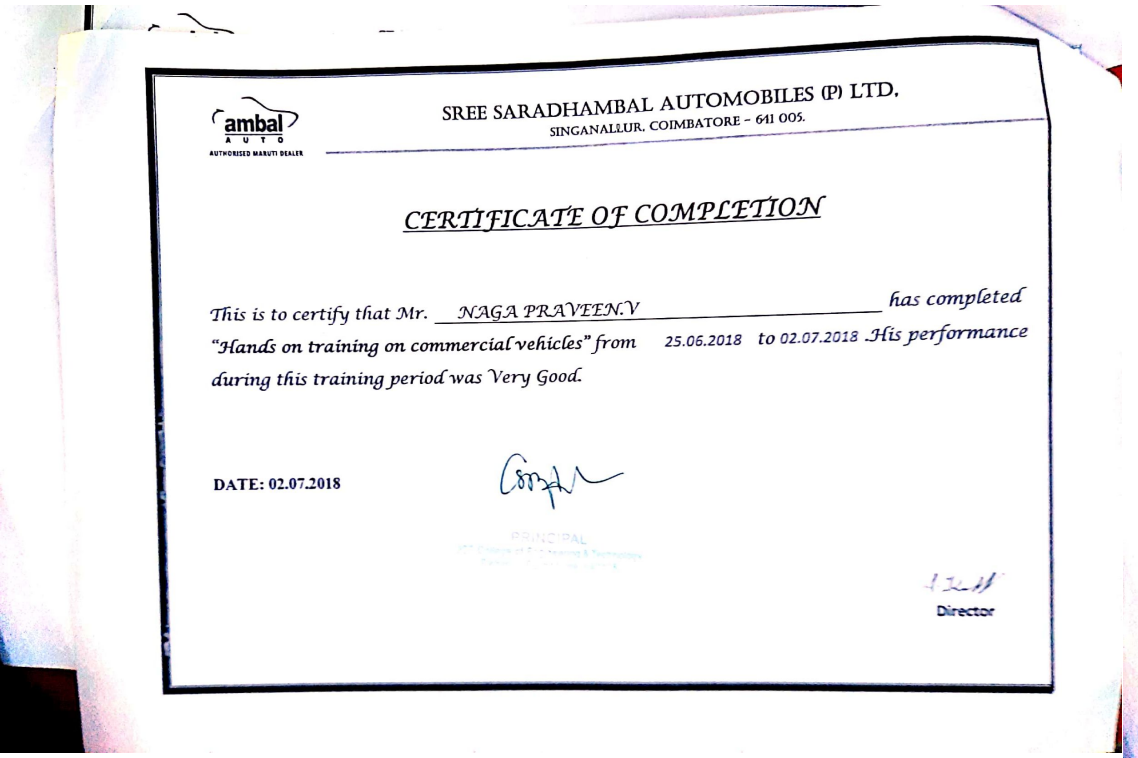

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. NAGA PRAVEEN.V has completed "Hands on training on commercial vehicles" from 25.06.2018 to 02.07.2018 .His performance during this training period was Very Good.

DATE: 02.07.2018

PRINCIPAL

Director



ambal AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. ROBIN K has completed "Hands on training on commercial vehicles" from 25.06.2018 to 02.07.2018 .His performance during this training period was Very Good.

DATE: 02.07.2018

PRINCIPAL

Director

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Automobile Engineering

28.11.2017

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"HANDS ON TRAINING ON LIGHT VEHICLES"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"HANDS ON TRAINING ON LIGHT VEHICLES"** for the III and IV Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	Sree Saradhambal automobile Pvt Ltd	Department of Automobile Engineering	04.12.2017 to 11.12.2017

Thanking you

28/11/17.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

CIRCULAR

01.12.2017

It is here by informed that the department of Automobile is organizing value added course on **"HANDS ON TRAINING ON LIGHT VEHICLES"** from 04-12-2017 to 11-12-2017.All the students are instructed to attend and get benefited.

To be read in:-

1) IV Year Auto
2) III year Auto

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

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PICHANUR, COIMBATORE-641105

TÜV AUSTRIA

Department of Automobile Engineering

VALUE ADDED COURSE ON LIGHT VEHILES

TIME TABLE

DATE	TIMING	TOPIC
04-12-2017 Monday	10.00 am to 5 pm	Introduction of Light vehicle
05-12-2017 Tuesday	10.00 am to 5 pm	Pre requisite components of Light vehicle
06-12-2017 Wednesday	10.00 am to 5 pm	Dismantling and assembly of light vehicle steering system
07-12-2017 Thursday	10.00 am to 5 pm	Light Vehicle dynamics, Light Vehicle integration
08-12-2017 Friday	10.00 am to 5 pm	Light Vehicle motors and controllers
09-12-2017 Saturday	10.00 am to 5 pm	Light Vehicle batteries and tyres
11-12-2017 Monday	10.00 am to 5 pm	Vehicle propulsion systems

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	REMARKS
1	ALBERT ANTO	
2	ANTONY VIJAY.A	
3	ANTO TENSON	
4	ARUN KRISHNA.M.K	
5	ASHIK	
6	BINU BRISTON.J.C	
7	BONEYNATH.A	
8	HILLER.M	
9	JAYA GANESH.N	
10	JISHNU.K.K	
11	JOSE JOHN	
12	MOHAMED ASHIQ	
13	MOHAMMED THANZEER.K.A	
14	MOHAMMED ASFAR.K	
15	NAGA PRAVEEN.V	
16	NAVEEN KUMAR.S	
17	PRANAV.P	
18	PRINCE PAUL	
19	RAHUL.P.S	
20	ROHITH KUMAR V.M	
21	VISHNU VIJAYAN	
22	VIVEK THOMAS	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

23	ABDUL SALAM	
24	AJMAL	
25	AKHIL	
26	AMITH SAINATH	
27	ASHIK	
28	DINESH KUMAR	
29	LOKESHWARAN	
30	MARIMUTHU	
31	XAVIOR RAJKUMAR	
32	AJITHKUMAR	
33	NAUSHEER	

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	REMARKS
1	ALBERT ANTO	
2	ANTONY VIJAY.A	
3	ANTO TENSON	
4	ARUN KRISHNA.M.K	
5	ASHIK	
6	BINU BRISTON.J.C	
7	BONEYNATH.A	
8	HILLER.M	
9	JAYA GANESH.N	
10	JISHNU.K.K	
11	JOSE JOHN	
12	MOHAMED ASHIQ	
13	MOHAMMED THANZEER.K.A	
14	MOHAMMED ASFAR.K	
15	NAGA PRAVEEN.V	
16	NAVEEN KUMAR.S	
17	PRANAV.P	
18	PRINCE PAUL	
19	RAHUL.P.S	
20	ROHITH KUMAR V.M	
21	VISHNU VIJAYAN	
22	VIVEK THOMAS	

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TÜV AUSTRIA

Department of Automobile Engineering

23	ABDUL SALAM	
24	AJMAL	
25	AKHIL	
26	AMITH SAINATH	
27	ASHIK	
28	DINESH KUMAR	
29	LOKESHWARAN	
30	MARIMUTHU	
31	XAVIOR RAJKUMAR	
32	AJITHKUMAR	
33	NAUSHEER	

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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TÜV AUSTRIA

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT	4/11/23	5/11/23	6/11/23	7/11/23	8/11/23	9/11/23	10/11/23	11/11/23	12/11/23	13/11/23	14/11/23	15/11/23	16/11/23
1	ALBERT ANTO	/	/	/	/	/	/	/	/	/	/	/	a	/	/
2	ANTONY VIJAY.A	/	/	/	/	a	a	/	/	/	/	/	/	/	/
3	ANTO TENSON	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	ARUN KRISHNA.M.K	/	/	a	a	a	/	/	/	/	/	/	a	/	/
5	ASHIK	/	/	a	/	/	/	a	/	/	/	/	/	/	/
6	BINU BRISTON.J.C	/	/	/	/	/	/	/	/	/	/	/	a	/	/
7	BONEYNATH.A	/	a	/	/	a	a	a	/	/	/	a	/	/	/
8	HILLER.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	JAYA GANESH.N	/	/	/	/	/	/	/	/	/	/	a	a	a	a
10	JISHNU.K.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	JOSE JOHN	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	MOHAMED ASHIQ	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	MOHAMMED THANZEER.K.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	MOHAMMED ASFAR.K	/	/	/	a	a	a	/	/	/	/	/	/	/	/
15	NAGA PRAVEEN.V	/	/	/	a	/	/	/	/	/	/	/	/	/	/
16	NAVEEN KUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/	/	a
17	PRANAV.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	PRINCE PAUL	/	/	/	a	a	/	/	/	/	a	a	/	/	/

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19	RAHUL.P.S	/	/	/	/	/	/	/	/	/	/	/	a	/	/
20	ROHITH KUMAR V.M	/	/	/	/	/	a	/	/	/	/	/	/	a	/
21	VISHNU VIJAYAN	/	/	/	a	/	/	/	/	/	a	/	/	/	/
22	VIVEK THOMAS	/	/	/	a	/	/	/	/	/	/	/	/	/	/
23	ABDUL SALAM	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	AJMAL	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	AKHIL	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	AMITH SAINATH	a	a	a	/	/	/	/	/	/	/	/	/	/	/
27	ASHIK	a	/	/	/	/	/	/	/	/	/	/	/	/	/
28	DINESH KUMAR	a	/	/	/	/	/	/	/	/	/	/	/	/	/
29	LOKESHWARAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	MARIMUTHU	a	/	/	/	/	a	/	/	/	/	a	/	/	/
31	XAVIOR RAJKUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	AJITHKUMAR	/	/	a	/	/	/	a	/	a	/	a	/	a	a
33	NAUSHEER	a	/	a	a	/	/	/	/	/	/	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT													
1	AJITH.U	/	/	/	/	/	/	/	a	/	/	/	a	/	a	/
2	ANJO ANTONY	/	/	/	a	a	a	/	/	/	/	/	/	/	/	/
3	ARUN KRISHNA.V	/	/	a	/	/	a	a	/	/	/	/	/	/	/	/
4	ASIF SHAMEEM	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	ATHUL KRISHNA.EM	/	/	/	a	a	a	/	/	/	/	/	/	/	/	/
6	CHRISTIN SAM	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	DHANABAL.B	/	/	/	/	/	/	/	/	/	/	a	a	/	/	/
8	DILEEP.B	/	/	/	/	/	/	/	a	a	a	a	a	a	a	a
9	EBENEZER DOSS.D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	GOWTHAM.J	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	IJAS AHMED	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	JISTO JAMES	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	KISHORE.T.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	MARIKUMAR.M	/	/	/	a	a	a	a	/	/	/	/	/	/	/	/
15	MOHAMMED JASEEM P.T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	MUHAMMED ASHIQUE	a	a	/	/	/	/	/	/	/	a	a	/	/	/	/
17	PRAJOSH.V.B	a	/	/	/	/	a	/	/	/	/	a	/	/	/	/
18	PRAVEEN	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/

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Department of Automobile Engineering

	KUMAR.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	PREM KUMAR.S	/	a	/	/	/	/	/	/	/	/	/	/	/	/
20	RAGHUL ANAND.R	/	/	/	a	/	/	/	/	/	/	/	/	/	/
21	RAJAT.S.RAMESH	/	/	/	/	/	/	/	/	/	/	/	/	/	a
22	RANADEV.K.S	/	a	/	/	a	/	/	/	/	a	/	/	/	/
23	SABARISH.V	/	/	/	/	/	/	/		/	/	/	/	/	/
24	SAJITH.M.S	/	/	a	a	/	/	/	/	a	/	/	/	/	/
25	SAKTHIVEL. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	SARATH.S	/	a	/	/	/	a	a	/	/	/	/	/	/	/
27	SAYYID JOWHAR.K.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	SHAKKIR.C.S	/	a	/	/	/	/	/	/	/	/	/	/	/	/
29	SIDHARTH.S.NAIR	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	YESWANTH.R	a	/	/	/	/	/	/	a	/	/	/	/	/	/
31	ANISH.I	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	GOKUL.S	a	/	/	/	/	/	/	/	/	/	/	/	/	a
33	INDRAJITH NANDHAN	/	/	a	a	a	a	/	/	/	/	/	/	/	/
34	IYADURAI.S	/	/	/	/	/	/	/	/	/	/	a	/	a	/
35	NIHAL ABDUL KAREEM	/	/	a	/	a	/	a	/	a	/	a	/	/	/
36	ROBIN KC	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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TRAINING SYLLABUS FOR LIGHT VEHICLES

1. History of light Vehicle
2. Pre-requisite
3. Steering
4. Vehicle Dynamics
5. Vehicle integration,
6. Motors used in vehicles
7. Controllers
8. Batteries and tyres
9. Vehicle Propulsion Systems

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

Department of Automobile Engineering

Student Feedback

Name of the Student: SAJITH.S Sex (M/F): M.

Department: Automobile. E-mail sajith.sg@gmail.com

Address: Yellow house, Yellow nagar, Chinni mobile 7559055955.

Students are required to rate the courses

Name of the Trainer: krishna kumar.

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback	✓			
10. Overall rating	✓			

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Signature of HOD

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JCT College of Engineering and Technology
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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. IJAS AHMED *has completed "Hands on training on light vehicles" from 04.12.2017 to 11.12.2017 .His performance during this training period was Very Good.*

DATE: 11.12.2017

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Director

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE – 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. ARUN KRISHNA.M.K has completed "Hands on training on light vehicles" from 04.12.2017 to 11.12.2017 .His performance during this training period was Very Good.

DATE: 11.12.2017

PRINCIPAL
JCT College of Engineering & Technology
Coimbatore-641105

Director

ambal AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE – 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. DINESH KUMAR has completed "Hands on training on light vehicles" from 04.12.2017 to 11.12.2017 .His performance during this training period was Very Good.

DATE: 11.12.2017

PRI
JCT College of E

Director

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AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. PRINCE PAUL has completed "Hands on training on light vehicles" from 04.12.2017 to 11.12.2017 .His performance during this training period was Very Good.

DATE: 11.12.2017

JCT College of Technology Coimbatore-641105

Director

ambal
AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. ARUN KRISHNA.M.K has complete "Hands on training on light vehicles" from 04.12.2017 to 11.12.2017 .His performance during this training period was Very Good.

DATE: 11.12.2017

JCT College of Technology Coimbatore-641105

Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. DILEEP.B has completed "Hands on training on light vehicles" from 04.12.2017 to 11.12.2017 .His performance during this training period was Very Good.

DATE: 11.12.2017

PRINC...

Director

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

CIRCULAR

07.06.2017

It is here by informed that the department of Automobile is organizing certificate course on **PRO-ENGINEER"** from 10-06-2017 to 17-06-2017.All the students are instructed to attend and get benefited.

To be read in:-

1) II Year Auto
2) IV year Auto

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JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Automobile Engineering

30.05.2017

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"PRO-ENGINEER"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"PRO-ENGINEER"** for the II and IV Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	ARRIS CADD TECHNOLOGY Coimbatore	Department of Automobile Engineering	10.06.2017 to 17.06.2017

Thanking you

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **PRO-ENGINEER**

S.NO	NAME OF THE STUDENT	REMARKS
1	AASIF S	
2	ADWAITH SUJITH	
3	AKSHAY T H	
4	BHARATH KANNAN M	
5	CYRIL GEORGE	
6	DIJO JOSEPH	
7	ELANGOVAN S	
8	FARSHAD M	
9	FAWAZ A	
10	KRISHNA PRASAD V	
11	MOHAMMED ANEES PACHEERI	
12	NIHAL P Z	
13	RAHUL GG	
14	RAHUL R	
15	RAJKUMAR R	
16	SATHEESAN J	
17	SAYANDH K C	
18	SREEJITH S KUMAR	
19	VARUN T	
20	VISHNU P	
21	YADAV KANNAN	
22	ARMSTRONG.S	
23	AJITHKUMAR.A	
24	MANIKANDAN S	

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COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **PRO-ENGINEER**

S.NO	NAME OF THE STUDENT	REMARKS
1	AJAYGHOSH.K.M	
2	AJITH.R	
3	ALAN T RAJU	
4	ANAND.M	
5	ANIS MOHAMMED A	
6	ANURAG BALAGOPAL	
7	ARAVINTHA SAMY.S	
8	ARIVAZHAGAN.K	
9	ARUNMANI.R	
10	BALA MANIKANDAN.R	
11	GOKUL.K	
12	GOKUL.M.S	
13	JIJO RAM.V.S	
14	MOHAMMED NAFIH ROSHAN	
15	MOHAMMED NOUFAL	
16	MUHAMMED YAZER.T.P	
17	NANDU KRISHNAN	
18	PRITHIVRAJ.S	
19	RAHUL.T.P	
20	SARATH KUMAR.K	
21	SHIHAB	
22	SUBASH.R	

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

23	THIRUNAVKKARASU.D	
24	VASANTH N	
25	ASARUDHEEN.M	
26	BEBIN.C	
27	GOWTHAM.S	
28	KIRAN.T.M	
29	SHIYON ROY K	
30	VISHNU K J	

for

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
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TÜV AUSTRIA

Department of Automobile Engineering

CERTIFICATE COURSE ON PRO-ENGINEER

TIME TABLE

DATE	TIMING	TOPIC
10-06-2017 Friday	10.00 am to 5 pm	INTRODUCTION TO CREO
11-06-2017 Saturday	10.00 am to 5 pm	CREATING SKETCHES IN THE SKETCH MODE-I CREATING SKETCHES IN THE SKETCH MODE-II
12-06-2017 Monday	10.00 am to 5 pm	CREATING BASE FEATURES , DATUMS
13-06-2017 Tuesday	10.00 am to 5 pm	OPTIONS AIDING CONSTRUCTION OF PARTS-I,OPTIONS AIDING CONSTRUCTION OF PARTS-I
15-06-2017 Wednesday	10.00 am to 5 pm	ADVANCED MODELING TOOLS-I, ASSEMBLY MODELING
16-06-2017 Thursday	10.00 am to 5 pm	GENERATING, EDITING, AND MODIFYING THE DRAWING VIEWS
17-06-2017 Friday	10.00 am to 5 pm	SURFACE MODELING

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PRO-ENGINEER SYLLABUS

1: INTRODUCTION TO CREO

PARAMETRIC Introduction to Creo
Parametric Feature-Based Nature
Bidirectional Associative
Property Parametric Nature
System Requirements
Getting Started with Creo
Parametric Important Terms and
Definitions File Menu Options
Managing Files
Menu Manager
Model Tree
Understanding the Functions of the Mouse
Buttons Ribbon
Toolbars
Navigator
Creo Parametric Browser
Appearance Gallery Rendering
in Creo Parametric Colour
Scheme Used in this Book

2: CREATING SKETCHES IN THE SKETCH

MODE-I The Sketch Mode
Working with the Sketch Mode
Invoking the Sketch Mode
The Sketcher Environment
Working with a Sketch in the Sketch Mode
Drawing a Sketch Using tools available in the Sketch
Tab Placing a Point
Drawing a Line Drawing a
Centreline Drawing a
Geometry Centreline Drawing
a Rectangle Drawing a Circle

Drawing an Ellipse
Drawing an Arc
Dimensioning the Sketch
Converting a Weak Dimension into a Strong Dimension
Dimensioning a Sketch Using the Normal Tool
Dimensioning the Basic Sketched Entities
Linear Dimensioning of a Line

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Angular Dimensioning of an Arc
Diameter Dimensioning
Radial Dimensioning
Dimensioning Revolved Sections
Working with Constraints
Types of Constraints
Disabling Constraints
Modifying the Dimensions of a Sketch
Using the Modify Button
Modifying a Dimension by Double-Clicking on it
Modifying Dimensions Dynamically
Resolve Sketch Dialog Box
Deleting the Sketched Entities
Trimming the Sketched Entities
Mirroring the Sketched Entities
Inserting Standard/User-Defined Sketches
Drawing Display Options

3: CREATING SKETCHES IN THE SKETCH MODE-II Dimensioning the Sketch
Dimensioning a Sketch Using the Baseline Tool
Replacing the Dimensions of a Sketch Using the Replace
Tool Creating Fillets
Creating Circular Fillets
Creating Elliptical Fillets
Creating a Reference Coordinate
System Working with Splines
Creating a Spline
Dimensioning of Splines
Modifying a Spline
Writing Text in the Sketcher Environment
Rotating and Resizing Entities Importing
2D Drawings in the Sketch Mode

4: CREATING BASE FEATURES
Creating Base Features
Invoking the Part Mode
The Default Datum Planes
Creating a Protrusion
Extruding a Sketch
Revolving a Sketch
Understanding the Orientation of Datum Planes
Parent-Child Relationship
Implicit Relationship
Explicit Relationship
Nesting of Sketches

5: DATUMS
Datums
Default Datum Planes Need for
Datums in Modeling Selection
Method in Creo Parametric Datum
Options
Datum Planes Creating
Datum Planes
Datum Planes Created On-The-
Fly Datum Axes
Datum Points
Creating Cuts
Removing Material by Using the Extrude Tool
Removing Material by Using the Revolve Tool

6: OPTIONS AIDING CONSTRUCTION OF PARTS-I Options Aiding Construction of Parts
Creating Holes
The Hole Dashboard
Important Points to Remember While Creating a
Hole Creating Rounds
Creating Basic Rounds
Creating a Variable Radius Round
Points to Remember While Creating
Rounds Creating Chamfers
Corner Chamfer
Edge Chamfer
Understanding Ribs Creating
Trajectory Ribs Creating
Profile Ribs
Editing Features of a Model
Editing Definition or Redefining
Features Reordering Features
Rerouting Features
Suppressing Features
Deleting Features
Modifying Features

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7: OPTIONS AIDING CONSTRUCTION OF PARTS-
II Introduction
Creating Feature Patterns
Uses of patterns
Creating Patterns
Deleting a Pattern
Copying
Features
New Refs
Same Refs
Mirror Move
Select
Mirroring a Geometry
Creating a Section of a Solid
Model Work Region Method

8: ADVANCED MODELING TOOLS-I
Other Protrusion Options
Sweep Features
Creating Sweep Protrusions
Aligning a Sketched Trajectory to an Existing
Geometry Creating a Thin Sweep Protrusion Creating
a Sweep Cut
Blend Features
Parallel Blend
Rotational Blend
General Blend
Using Blend Vertex
Shell Feature
Creating a Constant Thickness Shell
Creating a Variable Thickness Shell 8
Datum Curves
Creating a Datum Curve by Using the Curve
Button Creating a Datum Curve by Sketching
Creating a Curve by Using the Intersect Option
Creating a Curve by Using the Project Option
Creating a Curve by Using the Wrap Option
Creating Draft Features

9: ADVANCED MODELING TOOLS-
II Advanced Feature Creation Tools
Variable Section Sweep Using the Sweep
Option Swept Blend
Helical Sweep
Blend Section to Surfaces
Blend Between Surfaces

10: ADVANCED MODELING TOOLS-
III Advanced Modeling Tools
Toroidal Bend
Spinal Bend
Warp
Transform Tool
Warp Tool
Spine Tool
Stretch Tool
Bend Tool
Twist Tool
Sculpt Tool

11: ASSEMBLY MODELING
Assembly Modeling
Important Terms Related to the Assembly
Mode Top-down Approach
Bottom-up Approach
Placement
Constraints Package
Creating Top-down Assemblies
Creating Components in the Assembly
Mode Creating Bottom-up Assemblies
Inserting Components in an
Assembly Assembling Components
Displaying Components in a Separate
Window Displaying Components in the Same
Window 3D Dragger
Applying Constraints
Status Area Placement
Tab Move Tab
Packaging
Components
Creating Simplified Representations
Redefining the Components of an
Assembly Reordering Components
Suppressing/Resuming Components
Replacing
Assembling Repeated Copies of a Component
Modifying the Components of an Assembly
Modifying Dimensions of a Feature of a Component

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Redefining a Feature of a Component
Creating the Exploded State
References Tab Offset Tab
Explode Line Tab
The Bill of Materials
Global Interference
Pairs Clearance

12: GENERATING, EDITING, AND MODIFYING THE DRAWING
VIEWS The Drawing Mode
Generating Drawing Views Generating
the General View Generating the
Projection View Generating the
Detailed View Generating the
Auxiliary View Generating the
Revolved Section View Generating
the Copy and Align View Generating
the 3D Cross-Section View
Editing the Drawing Views
Moving the Drawing View
Erasing the Drawing View
Deleting the Drawing View
Adding New Parts or Assemblies to the Current
Drawing Modifying the Drawing Views
Changing the View Type
Changing the View Scale
Reorienting the Views
Modifying the Cross-sections
Modifying Boundaries of Views
Adding or Removing the Cross-section
Arrows Modifying the Perspective Views
Modifying Other Parameters Editing
the Cross-section Hatching

13: DIMENSIONING THE DRAWING
VIEWS Dimensioning the Drawing Views
Show Model Annotations Dialog
Box Adding Notes to the Drawing
Adding Tolerances in the Drawing
Views Dimensional Tolerances
Geometric Tolerances
Editing the Geometric Tolerances Adding
Balloons to the Assembly Views Adding
Reference Datums to the Drawing Views
Modifying and Editing Dimensions
Modifying the Dimensions Using the Dimension Properties Dialog
Box Modifying the Drawing Items Using the Shortcut Menu Cleaning
Up the Dimensions

14: OTHER DRAWING OPTIONS
Sketching in the Drawing Mode
Modifying the Sketched Entities
User-Defined Drawing Formats
Retrieving the User-Defined Formats in the
Drawings Adding and Removing Sheets in the
Drawing Creating Tables in the Drawing Mode
Generating the BOM and Balloons in Drawings

15: SURFACE MODELING
Surface Modeling
Creating Surfaces in Creo Parametric
Creating an Extruded Surface
Creating a Revolved Surface
Creating a Sweep Surface
Creating a Blended Surface
Creating a Swept Blend Surface
Creating a Helical Sweep Surface
Creating a Surface by Blending the Boundaries
Creating a Variable Section Sweep Surface Using the Sweep Tool
Creating Surfaces the Using the Style Environment of Creo Parametric
Style Dashboard
Surface Editing Tools
Mirroring the Surfaces Merging
the Surfaces Trimming the
Surfaces Creating the Fill
Surfaces Creating the Intersect
Curves Creating the Offset
Surfaces Adding Thickness to a
Surface Converting a Surface
into a Solid
Creating a Round at the Vertex of a
Surface Freestyle modelling environment
Freestyle Dashboard

16: WORKING WITH SHEET METAL
COMPONENTS Introduction to Sheet metal
Invoking the Sheet metal Mode

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Introduction to Sheet metal Walls
Creating the Planar Wall
Creating the Unattached Revolve Wall
Creating the Unattached Blend Wall
Creating the Unattached Offset Wall
Creating Reliefs in Sheet metal Components
Creating a Flat Wall
Creating a Twist Wall
Creating an Extend Wall
Creating a Flange Wall
Creating the Bend Feature
Creating the Unbend Feature
Creating the Bend Back
Conversion to Sheet metal Part
Creating Cuts in the Sheet metal Components

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JCT College of Engineering and Technology
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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **PRO-ENGINEER**

S.NO	NAME OF THE STUDENT	10/6/19	10/6/19	11/6/19	11/6/19	12/6/19	12/6/19	13/6/19	13/6/19	17/6/19	18/6/19	19/6/19	20/6/19
1	AASIF S	/	/	/	/	/	/	/	/	/	/	/	
2	ADWAITH SUJITH	/	/	/	/	/	/	/	/		/	/	
3	AKSHAY T H	/	/	a	/	/	/	/	/	/	/	/	
4	BHARATH KANNAN M	/	/	/	/	/	a	/	/	/	/	/	
5	CYRIL GEORGE	/	/	/	/	a	/	/	/	/	/	/	
6	DIJO JOSEPH	/	a	/	/	/	/	/	/	/	/	/	
7	ELANGOVAN S	/	/	/	/	/	/	/	/	/	/	/	
8	FARSHAD M	/	/	/	a	/	/	/	/	/	/	/	
9	FAWAZ A	/	/	/	/	/	/	/	/	/	/	/	
10	KRISHNA PRASAD V	/	/	a	/	/	/	/	/	/	/	/	
11	MOHAMMED ANEES PACHEERI	/	/	/	/	/	/	/	/	/	/	/	
12	NIHAL P Z	/	/	a	/	/	/	/	/	/	/	/	
13	RAHUL GG	/	/	/	/	/	/	/	/	/	/	/	
14	RAHUL R	/	a	/	/	/	/	/	/	/	/	/	
15	RAJKUMAR R	/	/	/	/	/	/	/	/	/	/	/	
16	SATHEESAN J	/	/	a	/	/	/	/	/	/	/	/	
17	SAYANDH K C	a	/	/	/	/	/	/	/	/	/	/	
18	SREEJITH S KUMAR	/	/	/	/	/	/	/	/	/	/	/	
19	VARUN T	/	/	/	a	/	/	/	/	/	/	/	
20	VISHNU P	/	/	/	/	/	/	/	/	/	/	/	
21	YADAV KANNAN	/	/	/	a	/	/	/	/	/	/	/	

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22	ARMSTRONG.S	a	a	a	a	a	a	a	/	/	/	/
23	AJITHKUMAR.A	/	/	/	/	/	a	/	/	/	/	/
24	MANIKANDAN S	/	/	/	a	/	/	/	/	/	/	/

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Department of Automobile Engineering

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Name of the Program: **PRO-ENGINEER**

S.NO	NAME OF THE STUDENT	10/6/19	10/6/19	11/6/19	11/6/19	12/6/19	9/6/19	13/6/19	13/6/19	14/6/19	15/6/19	13/6/19
1	AJAYGHOSH.K.M	/	/	/	/	/	/	a	/	/	/	/
2	AJITH.R	/	/	/	/	/	/	/	/	/	/	/
3	ALAN T RAJU	/	/	/	a	/	/	/	/	/	/	/
4	ANAND.M	/	/	/	/	/	/	/	/	/	/	/
5	ANIS MOHAMMED A	/	/	/	/	/	/	/	/	/	/	/
6	ANURAG BALAGOPAL	/	a	/	/	/	/	/	/	/	/	/
7	ARAVINTHA SAMY.S	/	/	/	a	/	/	/	/	/	/	/
8	ARIVAZHAGAN.K	/	/	/	/	/	/	/	/	/	/	/
9	ARUNMANI.R	/	a	/	/	/	/	/	/	/	/	/
10	BALA MANIKANDAN.R	/	a	/	/	/	/	/	/	/	/	/
11	GOKUL.K	/	/	/	/	/	/	/	/	/	/	/
12	GOKUL.M.S	/	/	a	/	/	/	/	/	/	/	/
13	JIJO RAM.V.S	/	/	/	/	/	/	/	/	/	/	/
14	MOHAMMED NAFIH ROSHAN	/	/	a	/	/	/	/	/	/	/	/
15	MOHAMMED NOUFAL	/	/	/	/	/	/	/	/	/	/	/
16	MUHAMMED YAZER.T.P	/	/	/	/	a	/	/	/	/	/	/
17	NANDU KRISHNAN	/	/	/	/	/	/	/	/	/	/	/
18	PRITHIVRAJ.S	/	/	/	a	/	/	/	/	/	/	/
19	RAHUL.T.P	/	/	/	/	/	/	/	/	/	/	/
20	SARATH KUMAR.K	/	/	/	/	/	/	/	/	/	/	/

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21	SHIHAB	/	/	/	/	/	/	/	/	/	/	/
22	SUBASH.R	a	/	/	a	/	/	/	/	/	/	/
23	THIRUNAVKKARASU.D	/	/	/	/	/	/	/	/	/	/	/
24	VASANTH N	/	/	/	/	/	/	a	/	/	/	/
25	ASARUDHEEN.M	/	/	/	/	/	/	/	/	/	/	/
26	BEBIN.C	/	/	/	a	/	/	/	/	/	/	/
27	GOWTHAM.S	/	/	/	/	/	/	/	/	/	/	/
28	KIRAN.T.M	/	/	/	/	/	a	/	/	/	/	/
29	SHIYON ROY K	/	/	/	/	/	/	/	/	/	/	/
30	VISHNU K J	/	/	a	/	/	/	/	/	/	/	/

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Student Feedback

Name of the Student: Gowtham.S Sex (M/F): M

Department: Autor E-mail Gowtham.bigil97@gmail.com

Address: JCT college Hostel, coimbatore mobile 9487855103

Students are required to rate the courses

Name of the Trainer: Thiru.K.

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback		✓		
10. Overall rating	✓			

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Signature of HOD

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DEPARTMENT OF AUTOMOBILE ENGINEERING

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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms R.GOWTHAM has successfully completed the Course on Pro-Engineer from 10.06.2017 to 17.06.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms SUBASH.R has successfully completed the Course on Pro-Engineer from 10.06.2017 to 17.06.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms BEBIN.C has successfully completed the Course on Pro-Engineer from 10.06.2017 to 17.06.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms VISHNU K J has successfully completed the Course on Pro-Engineer from 10.06.2017 to 17.06.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms **RAHUL.T.P** has successfully completed the Course on Pro-Engineer from 10.06.2017 to 17.06.2017. His performance during this training period was Very Good.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

03/04/2018

From

Head of the Department,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting the course on 'ELECTRICAL WIRING FOR RESIDENTIAL BUILDING" - Reg.

In our Civil Engineering department, we are planned to conduct the course on "ELECTRICAL WIRING FOR RESIDENTIAL BUILDING" for our final year seventh semester civil engineering students during the semester holidays between 18/06/2018 to 25/06/2018. Hence I request you to kindly provide the permission for conducting the above course successfully.

Thanking you,

Yours truly,

(Kumar.A)

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PICHANUR, COIMBATORE-641105

ELECTRICAL WIRING FOR RESIDENTIAL BUILDINGS

COURSE SYLLABUS

DURATION :30 HOURS (6 DAYS)

COURSE OBJECTIVES:

- Demonstrate proper safety practices and procedures
- Understand the proper function of tools and testing equipements
- Obtain the technical and academic skills necessary to enter work force.

INTRODUCTION

House Wiring, Tools & Equipments, Basic Symbols & Sketches, Electrical Rules, Is Code Provisions .

MATERIALS

Cables And Types, Telephone Cables, Wires, Conduits, Switch Gears, Panel Boards And Types, Electrical Fixtures And Fittings, types of main switches.

WIRING

Basic PVC Wiring, Basic MS Wiring, Concealed Type Wiring, Halogen, Sodium Vapor Fitting, Simple Control Circuit, Earth Pit

TESTING OF CIRCUITS

Insulation Test, Continuity Test, Polarity Test, Earth Test , Panel Board Test , Secondary Battery Test, Armature Test, Simple Fault Finding.

SAFETY

Causes Of Accidents in houses, Reason For Shock, Personal Safety & Responsibility, Working At Height.

CASE STUDY AND SITE VISIT

Dr. A. THIRUMARUGAN

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TIME TABLE

COURSE : ELECTRICAL WIRING FOR RESIDERNTIAL BUILDING

Sl.No.	DATE	FORENOON				AFTERNOON		
		10.00am - 11.00am	11.00am– 11.15am	11.15am – 12.30.pm	12.30pm– 1.30pm	1.30pm – 3.00pm	3.00p– 3.15pm	3.15pm– 4.30pm
1	18/06/2018	Theory Class	Break	Theory Class	Lunch Break	Practical Class	Break	Practical Class
2	19/06/2018	Theory Class		Theory Class		Practical Class		Practical Class
3	20/06/2018	Theory Class		Theory Class		Practical Class		Practical Class
4	21/06/2018	Theory Class		Theory Class		Practical Class		Practical Class
5	22/06/2018	Theory Class		Theory Class		Practical Class		Practical Class
6	25/06/2018	Theory Class		Theory Class		Practical Class		Practical Class

Co-ordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

STUDENTS NAME LIST

COURSE : ELECTRICAL WIRING FOR RESIDENTIAL BUILDING
CLASS : IV Year / VIIth Semester (2014 batch)
DURATION OF THE COURSE : 18/06/2018 – 25/06/2018

Sl.NO	REG.NO	NAME
1	720914103001	AJITH KUMAR.R
2	720914103002	ANISH JEBARAJ.A
3	720914103004	ARUN KUMAR.V
4	720914103005	ARUN KUMAR.S
5	720914103006	DANESH.S
6	720914103007	DEVIPRIYA.M
7	720914103008	HARISESHAN.U
8	720914103009	KALAIMANI.M
9	720914103010	MANIKANDAN.K
10	720914103011	MOHAMMED MOOSA.S
11	720914103012	MOHAMED THAMIMUL ANSARI.S
12	720914103013	MOHAMMED ASLAM
13	720914103014	MOHAMMED MUBASHEER.K
14	720914103015	MOHAMMED NIYAS.V.P
15	720914103016	PRABAVATHI.M
16	720914103017	PRASEELA PRASANTH
17	720914103018	RAGUNATH.M
18	720914103019	RAJAMANI.R
19	720914103020	RAMEEZ.K
20	720914103021	REEVIE CIBRIYAN .J
21	720914103022	SAYUJ.S
22	720914103023	SELVENDIRAN.S
23	720914103024	SHINOJ.S
24	720914103025	SHYAM PRAKASH.S
25	720914103026	SILAMBARASAN.S
26	720914103027	SMITH KELVIN.S
27	720914103029	SUSMITHA LAKSHMI.M
28	720914103031	UMA.A
29	720914103032	VISHNU DHARSAN.N
30	720914103302	HARIKRISHNAN U
31	720914103303	JUSTINSAM
32	720914103307	RANJITH KUMAR S
33	720914103701	ABUL HARITH

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

STUDENTS ATTENDANCE

COURSE : ELECTRICAL WIRING FOR RESIDENTIAL BUILDING
CLASS : IV Year / VIIth Semester (2014 batch)
DURATION OF THE COURSE : 18/06/2018 – 25/06/2018 (30 Hrs)

Sl.NO	REG.NO	NAME	18/6/2018		19/06/2018		20/06/2018		21/06/2018		22/06/2018		25/06/2018	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720914103001	AJITH KUMAR.R	/	/	/	/	/	/	/	/	/	/	/	/
2	720914103002	ANISH JEBARAJ.A	/	/	/	/	/	/	/	/	/	/	/	/
3	720914103004	ARUN KUMAR.V	/	/	/	/	/	/	/	/	/	/	/	/
4	720914103005	ARUN KUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/
5	720914103006	DANESH.S	/	/	/	/	/	/	/	/	/	/	/	/
6	720914103007	DEVIPRIYA.M	/	/	/	/	/	/	/	/	/	/	/	/
7	720914103008	HARISESHAN.U	/	/	/	/	/	/	/	/	/	/	/	/
8	720914103009	KALAIMANI.M	/	/	/	/	/	/	/	/	/	/	/	/
9	720914103010	MANIKANDAN.K	/	/	/	/	/	/	/	/	/	/	/	/
10	720914103011	MOHAMMED MOOSA.S	/	/	/	/	/	/	/	/	/	/	/	/
11	720914103012	MOHAMED THAMIMUL ANSARI.S	/	/	/	/	/	/	/	/	/	/	/	/
12	720914103013	MOHAMMED ASLAM	/	/	/	/	/	/	/	/	/	/	/	/
13	720914103014	MOHAMMED MUBASHEER.K	/	/	/	/	/	/	/	/	/	/	/	/
14	720914103015	MOHAMMED NIYAS.V.P	/	/	/	/	/	/	/	/	/	/	/	/
15	720914103016	PRABAVATHI.M	/	/	/	/	/	/	/	/	/	/	/	/
16	720914103017	PRASEELA PRASANTH	/	/	/	/	/	/	/	/	/	/	/	/

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17	720914103018	RAGUNATH.M																
18	720914103019	RAJAMANI.R																
19	720914103020	RAMEEZ.K																
20	720914103021	REEVIE CIBRIYAN .J																
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32	720914103307	RANJITH KUMAR S																
33	720914103701	ABUL HARITH																

Course Coordinator

HOD/Civil

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. AJITH KUMAR.R has successfully completed the training course on *ELECTRICAL WIRING FOR RESIDENTIAL BUILDING* during 18/06/2018 to 25/06/2018 conducted by the department of Civil Engineering in the academic year 2017-18.

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COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ANISH JEBARAJ.A has successfully completed the training course on *ELECTRICAL WIRING FOR RESIDENTIAL BUILDING* during 18/06/2018 to 25/06/2018 conducted by the department of Civil Engineering in the academic year 2017-18.

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR HEAD OF THE DEPARTMENT PRINCIPAL

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ARUN KUMAR.V has successfully completed the training course on *ELECTRICAL WIRING FOR RESIDENTIAL BUILDING* during 18/06/2018 to 25/06/2018 conducted by the department of Civil Engineering in the academic year 2017-18.

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COURSE COORDINATOR HEAD OF THE DEPARTMENT PRINCIPAL

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ARUN KUMAR.S has successfully completed the training course on *ELECTRICAL WIRING FOR RESIDENTIAL BUILDING* during 18/06/2018 to 25/06/2018 conducted by the department of Civil Engineering in the academic year 2017-18.

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PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR HEAD OF THE DEPARTMENT PRINCIPAL

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. DANESH.S has successfully completed the training course on *ELECTRICAL WIRING FOR RESIDENTIAL BUILDING* during 18/06/2018 to 25/06/2018 conducted by the department of Civil Engineering in the academic year 2017-18.

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR HEAD OF THE DEPARTMENT PRINCIPAL

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FEEDBACK FORM

This *Training Evaluation Feedback Form* is available in a PDF version for printing and filling out by hand; or as a Word document that can be filled out on the computer:

1. **How did you attend this training?** *(check all that apply)*
   - [ ] As an instructor/facilitator
   - [ ] As a trainee in a group setting
   - [x] As a Web-based training in a group setting
   - [ ] As a self-paced Web-based training
   - [ ] Other *(describe)*:

2. **Was this training?**
   - [x] Required
   - [ ] Optional

3. **Based on the training course description, how did your learning experience compare to what you expected when you began the training.** *(check only one)*
   - [ ] Learned much more than I expected.
   - [ ] Learned somewhat more than I expected.
   - [x] Learned as much as I expected.
   - [ ] Learned somewhat less than I expected.
   - [ ] Learned much less than I expected.
   - [ ] Learned nothing new.

4. **Please rate how well this training program met your expectations in the following areas:**

	One of the Worst	Below Average	Average	Above Average	One of The Best
Course content			✓	✓	
Course materials				✓	
Presentation style				✓	
Joint exercise content				✓	
Open discussions			✓		
Availability of support materials				✓	
Other: *(describe)*:			✓		

5. **Would you recommend this training to your colleagues?** *(check only one)*
   - [ ] Definitely
   - [x] Probably
   - [ ] Not certain
   - [ ] Probably not
   - [ ] Definitely not

6. **Comments:**

(Name & Signature)

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

06/11/2017

From

Head of the Department,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting the course on "PLUMBING FOR RESIDENTIAL BUILDING" - Reg.

We are planned to conduct the certificate course on "PLUMBING FOR RESIDENTIAL BUILDING" for our third year civil engineering students during 11/12/2017 to 18/12/2017. Hence I request you to kindly provide the permission for conducting the above course successfully.

Thanking you,

Yours truly,

(Kumar.A)

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

PLUMBING FOR RESIDENTIAL BUILDINGS

COURSE SYLLABUS

DURATION :30 HOURS (6 DAYS)

This course is offered through certificate include hands-on training with plumbing systems combined with classwork that covers plumbing codes, piping, venting and blueprint reading.

COURSE OBJECTIVS:

Students explore plumbing principles, fixture and pipe installation methods.

COURSE CONTENTS:

FUNDAMENTALS OF PLUMBING

Introduction of plumbing, Pipefitting, Systems, Plumbing codes, Tools and equipment, Water heaters, drainage, sewer and vent pipe systems.

PLUMBING INSTALLATION AND REPAIR

Pipes and pipe systems, appliance and fixture installation, pipe sizing, pipe installation, installation techniques and pipe system repair.

PLUMBING LAB

Plumbing fixtures, wastes, drains, vents and water lines, laws and regulations for plumbing.

COMMERCIAL AND RESIDENTIAL PLUMBING AND REPAIR

Working with existing plumbing systems. plumbing service and repair in commercial and residential settings.

WATER AND WASTE WATERCARE

Efficient water systems to the home and other buildings, water consumption and environmentally sound water heating, methods for rain water harvesting and treating, waste waterand sewage line, human safety and environmental impact.

(DR. A. THIRUMURUGAN)

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641105

TIME TABLE

COURSE : PLUMBING FOR RESIDENTIAL BUILDING
DURATION : 30 Hrs

Sl.No.	DATE	FORENOON	AFTERNOON		
		10.00am-12.15pm	1.30pm – 3.00pm	3.00pm – 3.15pm	3.15pm – 4.30pm
1	11/12/2017	Theory sesson	Practical sesson	Break	Practical sesson
2	12/12/2017	Theory sesson	Practical sesson		Practical sesson
3	13/12/2017	Theory sesson	Practical sesson		Practical sesson
4	14/12/2017	Theory sesson	Practical sesson		Practical sesson
5	15/12/2017	Theory sesson	Practical sesson		Practical sesson
6	18/12/2017	Theory sesson	Practical sesson		Practical sesson

Co-ordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

STUDENTS NAME LIST

COURSE : PLUMBING FOR RESIDENTIAL BUILDING
CLASS : III Year / Vth Semester (2015 batch)
DURATION OF THE COURSE : 11/12/2017 – 18/12/2017

Sl.NO	REG.NO	NAME
1	720915103001	ABDUL RAHIMAN. P.H
2	720915103002	ADHUL PRAKASH
3	720915103003	AFSAL. P
4	720915103004	AKHIL. R
5	720915103005	AKSHAY. P.S
6	720915103006	AKSHAY DEV. A
7	720915103007	ALI MISHAB. E.C
8	720915103008	AMRITHESWARI. A.F
9	720915103009	ANIL KUMAR. A
10	720915103010	ANIRUDH. A
11	720915103011	ANJANA PRATHEEP
12	720915103012	BASIL BIJU
13	720915103013	BINCY. U.I
14	720915103014	BINOJ VARGHESE
15	720915103015	DANISH. PK
16	720915103016	ELAYAVENDAN. V
17	720915103017	FATHIMATH NESRIN
18	720915103018	GOKUL. K
19	720915103019	HARI G.S
20	720915103020	HARASH. S
21	720915103021	HIBA BASHEER
22	720915103022	INBARASAN. M
23	720915103023	INFANT RICHARD. J
24	720915103024	JOSE ANISH. A
25	720915103025	MASHHOR MOHAMED. C.C
26	720915103027	MUHAMMED SHAMEER. I
27	720915103028	MUHAMMED.P.P
28	720915103030	MUTHURAJA. V
29	720915103035	RENJITH. H
30	720915103036	SAFEEK. A
31	720915103037	SARANG
32	720915103303	BOOPATHY.V
33	720915103305	MIBIN SABARINATH
34	720915103306	POOVARASAN.M
35	720915103307	SHRUTHI
36	720915103308	SURYA.R
37	720915103309	VIVEK.P.V

Course Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

STUDENTS ATTENDANCE

COURSE : PLUMBING FOR RESIDENTIAL BUILDING
CLASS : III Year / Vth Semester (2015 batch)
DURATION OF THE COURSE : 11/12/2017 – 18/12/2017 (30 Hrs)

Sl.NO	REG.NO	NAME	11/12/2017		12/12/2017		13/12/2017		14/12/2017		15/12/2017		18/12/2017	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720915103001	ABDUL RAHIMAN. P.H												
2	720915103002	ADHUL PRAKASH												
3	720915103003	AFSAL. P												
4	720915103004	AKHIL. R												
5	720915103005	AKSHAY. P.S												
6	720915103006	AKSHAY DEV. A												
7	720915103007	ALI MISHAB. E.C												
8	720915103008	AMRITHESWARI. A.F												
9	720915103009	ANIL KUMAR. A												
10	720915103010	ANIRUDH. A												
11	720915103011	ANJANA PRATHEEP												
12	720915103012	BASIL BIJU												
13	720915103013	BINCY. U.J												
14	720915103014	BINOJ VARGHESE												
15	720915103015	DANISH. PK												
16	720915103016	ELAYAVENDAN. V												
17	720915103017	FATHIMATH NESRIN												
18	720915103018	GOKUL. K												
19	720915103019	HARI G.S												
20	720915103020	HARASH. S												
21	720915103021	HIBA BASHEER												
22	720915103022	INBARASAN. M												
23	720915103023	INFANT RICHARD. J												
24	720915103024	JOSE ANISH. A												
25	720915103025	MASHHOR MOHAMED. C.C												
26	720915103027	MUHAMMED SHAMEER. I												
27	720915103028	MUHAMMED.P.P												
28	720915103030	MUTHURAJA. V												
29	720915103035	RENJITH. H												
30	720915103036	SAFEEK. A												
31	720915103037	SARANG												
32	720915103303	BOOPATHY.V												
33	720915103305	MIBIN SABARINATH												
34	720915103306	POOVARASAN.M												
35	720915103307	SHRUTHI												
36	720915103308	SURYA.R												
37	720915103309	VIVEK.P.V												

Course Coordinator

HOD/Civil

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PICHANUR COIMBATORE- 641105

CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms ABDUL RAHIMAN. P.H has successfully completed the training course on PLUMBING FOR RESIDENTIAL BUILDING during 11/12/2017 TO 18/12/2017 conducted by the department of Civil Engineering in the academic year 2018-19.

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PICHANUR, Coimbatore - 641 105.

COORDINATOR HEAD OF THE DEPARTMENT PRINCIPAL

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CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms ADHUL PRAKASH has successfully completed the training course on PLUMBING FOR RESIDENTIAL BUILDING during 11/12/2017 TO 18/12/2017 conducted by the department of Civil Engineering in the academic year 2018-19.

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COORDINATOR HEAD OF THE DEPARTMENT PRINCIPAL

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PICHANUR COIMBATORE- 641105

CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms AKSHAY. P.S has successfully completed the training course on PLUMBING FOR RESIDENTIAL BUILDING during 11/12/2017 TO 18/12/2017 conducted by the department of Civil Engineering in the academic year 2018-19.

COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR COIMBATORE- 641105

CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms AKSHAY DEV. A has successfully completed the training course on PLUMBING FOR RESIDENTIAL BUILDING during 11/12/2017 TO 18/12/2017 conducted by the department of Civil Engineering in the academic year 2018-19.

COORDINATOR

HEAD OF THE DEPARTMENT

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PICHANUR COIMBATORE- 641105

CERTIFICATE OF COMPLETION

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that Mr./Ms VIVEK.P.V has successfully completed the training course on PLUMBING FOR RESIDENTIAL BUILDING during 11/12/2017 TO 18/12/2017 conducted by the department of Civil Engineering in the academic year 2018-19.

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

FEEDBACK FORM

This *Training Evaluation Feedback Form* is available in a PDF version for printing and filling out by hand; or as a Word document that can be filled out on the computer:

1. **How did you attend this training?** *(check all that apply)*
   - [x] As an instructor/facilitator
   - [ ] As a trainee in a group setting
   - [ ] As a Web-based training in a group setting
   - [ ] As a self-paced Web-based training
   - [ ] Other *(describe)*:

2. **Was this training?**
   - [ ] Required
   - [x] Optional

3. **Based on the training course description, how did your learning experience compare to what you expected when you began the training.** *(check only one)*
   - [ ] Learned much more than I expected.
   - [x] Learned somewhat more than I expected.
   - [ ] Learned as much as I expected.
   - [ ] Learned somewhat less than I expected.
   - [ ] Learned much less than I expected.
   - [ ] Learned nothing new.

4. **Please rate how well this training program met your expectations in the following areas:**

	One of the Worst	Below Average	Average	Above Average	One of The Best
Course content			✓		✓
Course materials				✓	
Presentation style				✓	
Joint exercise content					✓
Open discussions			✓		
Availability of support materials					✓
Other: *(describe)*:					

5. **Would you recommend this training to your colleagues?** *(check only one)*
   - [ ] Definitely
   - [x] Probably
   - [ ] Not certain
   - [ ] Probably not
   - [ ] Definitely not

6. **Comments:**

(Name & Signature)

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Electronics and Communication Engineering

TÜV AUSTRIA

CIRCULAR

03.04.2018

We are planning to conduct a five days value added course on "**ANDROID FOR MOBILE APPLICATION**" from 25[9h] june 2018 to 3rd july 2018 in our department(ECE & CSE). So we kindly request all the students to participate in this course and update your technical knowledge.

HOD-ECE

Circulation to:

- To be displayed on Notice Board.
- ECE/CSE class rooms

Hi-Tech ELECTRONICS
NO.12/A,3rd cross, Vasanth nagar, Viswas Nagar.
Karumandabam,Trichy-620 001.

phone:0431 - 2481970
E.mail:hiteel@ymail.com
T.I.N:33223562247

ANDROID FOR MOBILE APPLICATION

Assessment schedule

DAY	CONTENT
1	Android basics
2	User interface
3	Multi screen apps
4	Networking
5	Data storage
6	Advanced android developing
7	practical

Introduction to Android Programming
Training Course Outline

Course Description:
Interested in learning how to make Android apps? Learn Android programming with our 2-part training course series. *Introduction to Android Programming* and *Advanced Android Programming* make it easy and efficient to learn Android development.

This Android training course is designed to quickly get you up to speed how to make Android apps for Android devices. This Android development training course will teach you the basis of the Android platform and the application lifecycle. You will be able to write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more by the end of this Android training course course.

Course Objectives:
As a result of taking this Android training course, you will be able to:

- Describe the platforms upon which the Android operating system will run.
- Create a simple application that runs under the Android operating system.
- Access and work with the Android file system.

- Create an application that uses multimedia under the Android operating system.
- Access and work with databases under the Android operating system.

A man he who trusts in the LORD (Jesus) will prosper-proverbs 28:25

Hi-Tech
ELECTRONICS
NO.12/A,3rd cross, Vasanth nagar, Viswas Nagar.
Karumandabam,Trichy-620 001.

phone:0431 - 2481970
E.mail:hiteel@ymail.com
T.I.N:33223562247

Course Prerequisites:

Java/OOP programming is required. The Java prerequisite can be met by either having the equivalent Java /OOP programming experience or completing *Programming in Java 6 with Swing and Servlets Parts 1 and 2.*

Modular Outline:

Module 00: Introduction to Android Programming - Course Introduction

Module 01: Android Overview and History - Part One
- How it all got started
- Why Android is different (and important)
- Native Android Applications
- Android SDK Features

Module 02: Android Overview and History - Part Two
- Android Development Environment
- Elements of Android SDK
- Android Software Stack
- Android Application Architecture
- Android Libraries
- Lab Exercise: Initial Configuration of the Android SDK

Module 03: Android Stack
- Overview of the stack
- Linux kernel
- Native libraries
- Dalvik
- App framework
- Apps
- Lab Exercise: Configure Initial Application, Run in Emulator

Module 04: SDK Overview
- Platforms
- Tools
- Versions
- Lab Exercise: Download and Create in Android Virtual Device Manager

Module 05: Hello World App
- Creating your first project
- The manifest file
- Layout resource
- Running your app on Emulator
- Lab Exercise: Create, Compile and Run 'Hello, Android' App

Hi-Tech
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Karumandabam,Trichy-620 001.

phone:0431 - 2481970
E.mail:hiteel@ymail.com
T.I.N:33223562247

Module 05a: Hello World App Demo

Module 06: Main Building Blocks
- Activities
- Activity lifecycle
- Intents
- Services
- Content Providers
- Broadcast Receivers
- Lab Exercise: Review Activities, Intents, and Content Providers

Module 06a: Main Building Blocks Demo

Module 07: Basic Android User Interface
- XML versus Java UI
- Dips and sps
- Views and layouts
- Common UI components
- Handling user events
- Lab Exercise: Create Application with onClick, onKeyDown, onFocusChanged Event Handlers

Module 07a: Basic Android User Interface Demo

Module 08: Android System Overview
- File System
- Preferences
- Notifications
- Security model
- Lab Exercise: Create Application with Toast Notifications

Module 09: Advanced Android User Interface - Part One
- Selection components
- Adapters
- Complex UI components
- Building UI for performance

Module 10: Advanced Android User Interface - Part Two
- Menus and Dialogs
- Graphics
- Animation
- Lab Exercise: Create Application with Android's Advanced User Interface Functions

A man he who trusts in the LORD (Jesus) will prosper-proverbs 28:25

Hi-Tech
ELECTRONICS
NO.12/A,3rd cross, Vasanth nagar, Viswas Nagar.
Karumandabam,Trichy-620 001.

Phone:0431 - 2481970
E.mail:hiteel@ymail.com
T.I.N:33223562247

- Using Location Based Services
- Setting up your Emulator with Location Based Services
- Selecting a Location Provider
- Finding Your Location
- Using Proximity Alerts
- Using the Geocoder
- Creating Map Based Activities
- Lab Exercise: Create Location-Aware application that uses Proximity Alerts and Google Maps API

Module 15a: Mapping and Location Based Services Demo

Module 16: Working in the Background

- Introducing Services
- Using Background Worker Threads
- Introducing Notifications
- Using Alarms
- Lab Exercise: Create application with One-Time, Repeating Alarms, and Long-Running Background Task as Service

Module 16a: Working in the Background Demo

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Computer Science and Engineering

TÜV AUSTRIA

STUDENT REGISTRATION

Academic year 2017-2018

Name of the Trainer: HI-TECH Electronics

Name of the Course : ANDROID FOR MOBILE APPLICATION

S.No.	Name Of the Student	SIGN
1	AKSHAY MENON	
2	ANEESH T	
3	ANJITHA J	
4	ARUL JOTHY K	
5	ARUN S	
6	ASRITHA A	
7	AYISHA Y	
8	BALASUBRAMANIAN K	
9	CHITRA B	
10	ELSAMARIYA PA	
11	IMRAN BASHA N	
12	MANIKANDAN K	
13	MANJUSHA P M	
14	MANOJ M	
15	MOHAMED THOUFEEK G	
16	NASEEM BACKER	
17	NIMISHA K	
18	NISAM SHAKIR KA	
19	RAHUL R	
20	REMO B GEORGE	
21	RIFANA A	
22	ROHITH G	
23	SILPA S	
24	SNEHA P S	
25	SUBISHA P V	
26	SUSEELA S	
27	ATHIRA.S.NAIR	
28	HRITHIKESH.J	
29	KALA.C	
30	ABHIMANYU.H	
31	AISWARYA.G.MENON	
32	RANJITH.A	
33	AKSHAY.G.BHAT	
34	ARJUN RAJENDRAN	
35	ASHWINI.K	
36	BHAVYA LAKSHMI.T.R	
37	BINTO BENNY.M	
38	DEVI K.G	
39	FIROZ.B	
40	JEREENA.J	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Computer Science and Engineering

TÜV AUSTRIA CERTIFIED

41	JISHNU.V.K	Jishnu. K
42	KARKUZHALI.A	Karkuzhali.
43	NIKHIL.P.C	Nikhil. P.C
44	PARTHAN.A.S	Parthan. A.S
45	PRIYADHARSHINI.A	Priyadharshini. A
46	RAMYA DEVI.P	Ramya devi. P
47	REMYA.G	Remya. G
48	SACHINLAL	Sachinlal
49	SHARATH PRAKASH	Sharath Prakash
50	SREEJITH.P.K	Sreejith
51	SURYA.A	Surya
52	ADHARSH.M.R	Adharsh. M.

Signature of HOD.

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College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Computer Science and Engineering

TÜV AUSTRIA CERTIFIED

ATTENDANCE SHEET

Academic year 2017-2018

Name of the Trainer: HI-TECH ELECTRONICS

Name of the Course : ANDROID FOR MOBILE APPLICATION

S.No.	Name Of the Student	25/6	26/6	27/6	28/6	29/6	30/6	31/7	3/7
1	AKSHAY MENON	/	/	/	/	/	/	/	/
2	ANEESH T	/	/	/	/	a	a	/	/
3	ANJITHA J	/	/	/	/	/	/	/	/
4	ARUL JOTHY K	/	/	/	/	/	/	/	/
5	ARUN S	/	/	/	/	/	/	/	/
6	ASRITHA A	/	/	/	/	/	/	/	/
7	AYISHA Y	/	/	/	/	/	/	/	/
8	BALASUBRAMANIAN K	/	/	/	/	/	/	/	/
9	CHITRA B	/	/	/	/	/	/	/	/
10	ELSAMARIYA PA	/	/	/	/	/	/	/	/
11	IMRAN BASHA N	/	/	/	/	/	/	/	/
12	MANIKANDAN K	/	/	/	/	/	/	/	/
13	MANJUSHA P M	/	/	/	/	/	/	/	/
14	MANOJ M	a	a	/	/	/	/	/	/
15	MOHAMED THOUFEEK G	/	/	/	/	/	/	/	/
16	NASEEM BACKER	/	/	/	/	/	/	/	/
17	NIMISHA K	/	/	/	/	/	/	/	/
18	NISAM SHAKIR KA	/	/	/	/	/	/	/	/
19	RAHUL R	/	/	/	/	/	/	/	/
20	REMO B GEORGE	/	/	/	/	/	/	/	/
21	RIFANA A	/	/	/	/	/	/	/	/
22	ROHITH G	/	/	/	/	/	/	/	/
23	SILPA S	/	/	/	/	/	/	/	/
24	SNEHA P S	/	/	/	/	/	/	/	/
25	SUBISHA P V	/	/	a	a	/	/	/	/
26	SUSEELA S	/	/	/	/	/	/	/	/
27	ATHIRA.S.NAIR	/	/	/	/	/	/	/	/
28	HRITHIKESH.J	/	/	/	/	/	/	/	/
29	KALA.C	/	/	/	/	/	/	/	/
30	ABHIMANYU.H	/	/	/	/	/	/	/	/
31	AISWARYA.G.MENON	/	/	/	/	/	/	/	/
32	RANJITH.A	/	/	/	/	/	/	/	/
33	AKSHAY.G.BHAT	/	/	/	/	/	/	/	/
34	ARJUN RAJENDRAN	/	/	/	/	/	/	a	a
35	ASHWINI.K	/	/	/	/	/	/	/	/
36	BHAVYA LAKSHMI.T.R	/	/	/	/	/	/	/	/
37	BINTO BENNY.M	/	/	/	/	/	/	/	/
38	DEVI K.G	a	a	/	/	/	/	/	/
39	FIROZ.B	/	/	/	/	/	/	/	/
40	JEREENA.J	/	/	/	/	/	/	/	/

JCT
College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Computer Science and Engineering

TÜV AUSTRIA

41	JISHNU.V.K	/	/	/	/	a	a	/	/	/	/	/	/	/	/
42	KARKUZHALI.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43	NIKHIL.P.C	a	a	/	/	/	/	/	/	/	/	/	/	/	/
44	PARTHAN.A.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45	PRIYADHARSHINI.A	/	/	/	/	/	/	/	/	/	/	/	/	a	a
46	RAMYA DEVI.P	/	/	/	/	/	/	/	/	/	/	/	/	a	a
47	REMYA.G	/	/	/	/	/	/	/	/	/	/	/	/	/	/
48	SACHINLAL	/	/	/	/	/	/	/	/	a	a	/	/	/	/
49	SHARATH PRAKASH	/	/	a	a	/	/	/	/	/	/	/	/	/	/
50	SREEJITH.P.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
51	SURYA.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
52	ADHARSH.M.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Signature of HOD.

Hi-Tech®

HI-TECH ELECTRONICS

KARUMANDABAM, TRICHY-620 001

CERTIFICATE OF COMPLETION

This is to certify that ARUN S

has successfully completed the certificate educational course during **25.06.18 to 03.07.18** *on topic* **"android for mobile application"** *at Jct college of engineering and technology, pichanur, coimbatore.*

M. Jahir Hussain
OPERATION HEAD & CONSULTAN

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Computer Science and Engineering

Student Feedback

Name of the Student: Rifang. A

Year IInd

Course Name: Android for mobile Application

Students are required to rate the courses

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher			✓	
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback	✓			
10. Overall rating		✓		

Rifang.
Signature

Hi-Tech

HI-TECH ELECTRONICS

KARUMANDABAM, TRICHY-620 001

CERTIFICATE OF COMPLETION

This is to certify that

ARUL JOTHY. K

has successfully completed the certificate educational course during **25.06.18 to 03.07.18** *on topic*

"android for mobile application" *at Jct college of engineering and technology, pichanur, coimbatore.*

OPERATION HEAD & CONSULTAN

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

TÜV AUSTRIA

Department of Computer Science and Engineering

Student Feedback

Name of the Student: Ahira. S. Nair

Year IIIrd

Course Name: Android for Mobile Application.

Students are required to rate the courses

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher			✓	
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective			✓	
6. Ability to integrate content with other courses			✓	
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback	✓			
10. Overall rating		✓		

Signature

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

TÜV AUSTRIA

Department of Electronics and Communication Engineering

CIRCULAR

27.11.2017

Our Department has arranged the certificate courses for our third/final year (ECE&CSE)students in order to fulfill our vision to create industry ready Engineers. We are bringing the **Industrial experts from VEE XPLORE, Coimbatore to** take classes **on IoT USING RASPBERRY** PI during 27.12.2017 to 04.01.2017 (6 DAYS) in the semester holidays. All the students must attend these courses without fail. Contact your Class advisor for correspondence and information.

HOD-ECE

Circulation to:

- To be displayed on Notice Board.
- ECE/CSE class rooms

1-Week IOT using Raspberry Pi Course Contents

Day 1

Introduction to Raspberry Pi

- ☐ Different Models of Raspberry Pi
- ☐ Why Raspberry Pi.
- ☐ Peripherals of Raspberry Pi.
- ☐ Applications of Raspberry Pi.
- ☐ Future of Micro Computing.

Preparing Your Raspberry Pi for First Use

- ☐ Different Operating Systems for Raspberry pi.
- ☐ Getting Started With NOOBS
- ☐ Getting things ready for first use
- ☐ NOOBS OS inside out
- ☐ Booting for the First time.

Day 2

Introduction to Microcontroller

- ☐ Diff B/w Microcontroller and Microprocessor
- ☐ Introduction to Raspberry Pi
- ☐ Architecture and Hardware specifications
- ☐ Introduction to ARM
- ☐ GPIOs

Introduction to Programming:

- Introduction to Scratch Programming
- History and basic of Scratch
- My first program on scratch
- Led Blinking using Scratch

Day 3

Introduction to Python programming Language

- History and Basic of Python
- My first program on scratch
- Led Blinking using Scratch

Interrupts

- Interrupt concept
- NVIC on Arm Cortex M4.
- Edge Trigger and SysTick Interrupt.
- Writing Interrupt Service Routine

Setting Up for a Perfect Pi Experience

- Operation Procedures.
- Updating Pi to Latest software's.
- Setting various Options and Personalizing.
- First introduction to the LINUX terminal.
- Introduction to the Open Source Software Library.

Introduction to LINUX Environment

- The Linux Organization Structure.
- LINUX Shell.
- SHELL Scripting.

Day 4

Getting Familiar with the GPIO Pins of your Pi

- ☐ Pin numbering Formats
- ☐ The Voltage hazard Information.
- ☐ The LED Interfacing.
- ☐ The First Button Interface with Raspberry Pi.
- ☐ General information on other pins and their functionality

Hands-on session will include

- Setting up Raspberry PI
- Flashing the loading the SD card with the OS
- Booting the OS
- Intro of items on the desktop (Debian Linux/ Wheezy)
- Enabling GPIO pins
- LED interfacing using the GPIO

DAY : 5

Get 1-week Training Certificate from NSTP-2016 Association with ED Cell IIT-Roorkee

1. Certificate of Participation from NWTP-2017, Cognizance IIT Roorkee.
2. Certificate of merit from NWTP-2017 Cognizance IIT-Roorkee.
3. Certificate of Coordination from NWTP-2017 Cognizance, IIT-Roorkee.
4. College will get Center of Excellence form NWTP-2017 Cognizance IIT-Roorkee.

DAY : 6

What are the other requirements for this training program?

- Seminar hall/classroom having the enough capacity to conduct hands-on-session for all participants.
- Good Quality public address system ideally two cordless mikes will be required.
- Projector/ Screen along with black/white board for teaching and presentation purposes. .
- This training center can only be arranged for a minimum of 50 students
- 1-week Accommodation to our IOT Expert

DAY : 7

Training Duration: 1-week (8 hours each day)

Training Fee:

One-week Training	Registration Fee
IOT using R-Pi	Rs.4200/-per attendee

(The fee includes service tax, training, certification, and Event registration and a taken away IOT Kit t
each Team of 2 members,)

1-week IOT Workshop Outcomes

What is IOT?

Learn: IoT - an Introduction?
Learn: IoT for Weather Monitoring?
Review: What is IoT?

Build your computer using Raspberry Pi

Learn: What is Raspberry Pi?
Do: Raspberry Pi Board
Do: Installing OS on your Raspberry Pi?

Sense Temperature and Humidity

Learn: Sensors
Learn: Temperature and Humidity Sensors
Do: How to work with DHT 11 Sensor
Review: How to sense Temperature and Humidity

Establish Remote Desktop Connection

Do: Internet Sharing from PC to Raspberry Pi
Do: Setup SSH connection using Putty
Do: Remote server access using VNC server

Raspbian OS

Do: Tools and Applications - An Introduction

Python Programming

Learn: An Introduction

Simple Mail Transfer Protocol

Learn: An Introduction
Do: Installation in Raspberry Pi
Do: Send simple Gmail - Python Programming

Application Programming Interface

Learn: An Introduction

Building IOT Weather Station

Do: Connecting DHT 11 sensor with Raspberry Pi
Do: Programming the Raspberry Pi for IOT

Testing

Do: Testing the IoT device

Internet Of Things using Raspberry Pi

Objective:

Internet of Things, or IoT in short, is the idea of making devices and objects smarter by linking them to the internet.

This workshop introduces you to the amazing world of IoT and its fascinating applications. Using a Raspberry Pi computer and a DHT sensor, you will develop an electronic device that streams temperature and humidity data over the internet. You can program the system in such a way that say whenever the temperature exceeds a certain limit, the device will automatically send an email notification!

Workshop Outcomes

- **Learn the basics of Internet of Things and its applications**
- **Build your computer using Raspberry Pi platform**
- **Work with DHT sensors to detect humidity and temperature**
- **Setup IoT connectivity using a remote desktop**
- **Understand Raspbian OS, Python programming, SMTP and API**
- **Develop and test an IoT weather monitoring station**

Kit Content

- **Raspberry Pi B+ model**
- **DHT Sensor**
- **Resistor**
- **Breadboard**
- **Connecting wires**
- **Ethernet cable(LAN) and MicroUSB cable***
- **microSD memory card and SD memory card adapter**

All the above components would be provided during the program to participants in groups of 2 but would be taken back at the end. If participant want to buy then cost will be Rs5000/-per kit

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Computer Science and Engineering

TÜV AUSTRIA

STUDENT REGISTRATION

Academic year 2017-2018

Name of the Trainer: VEE XPLORE

Name of the Course : IOT USING RASPBERRY PI

S.No.	Name Of the Student	SIGN
1	AKSHAY MENON	
2	ANEESH T	
3	ANJITHA J	
4	ARUL JOTHY K	
5	ARUN S	
6	ASRITHA A	
7	AYISHA Y	
8	BALASUBRAMANIAN K	
9	CHITRA B	
10	ELSAMARIYA PA	
11	IMRAN BASHA N	
12	MANIKANDAN K	
13	MANJUSHA P M	
14	MANOJ M	
15	MOHAMED THOUFEEK G	
16	NASEEM BACKER	
17	NIMISHA K	
18	NISAM SHAKIR KA	
19	RAHUL R	
20	REMO B GEORGE	
21	RIFANA A	
22	ROHITH G	
23	SILPA S	
24	SNEHA P S	
25	SUBISHA P V	
26	SUSEELA S	
27	ATHIRA.S.NAIR	
28	HRITHIKESH.J	
29	KALA.C	
30	ABHIMANYU.H	
31	AISWARYA.G.MENON	
32	RANJITH.A	
33	AKSHAY.G.BHAT	
34	ARJUN RAJENDRAN	
35	ASHWINI.K	
36	BHAVYA LAKSHMI.T.R	
37	BINTO BENNY.M	
38	DEVI K.G	
39	FIROZ.B	
40	JEREENA.J	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Computer Science and Engineering

41	JISHNU.V.K	
42	KARKUZHALI.A	
43	NIKHIL.P.C	
44	PARTHAN.A.S	
45	PRIYADHARSHINI.A	
46	RAMYA DEVI.P	
47	REMYA.G	
48	SACHINLAL	
49	SHARATH PRAKASH	
50	SREEJITH.P.K	
51	SURYA.A	
52	ADHARSH.M.R	

Signature of HOD.

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Computer Science and Engineering

ATTENDANCE SHEET

Academic year 2017-2018

Name of the Trainer: VEE XPLORE

Name of the Course : IOT USING RASPBERRY PI

S.No.	Name Of the Student	27/12	27/12	28/12	29/12	27/12	28/12	11/1	1/1	8/1	9/1	3/1	3/1	4/1	4/1
1	AKSHAY MENON	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	ANEESH T	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	ANJITHA J	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	ARUL JOTHY K	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	ARUN S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	ASRITHA A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	AYISHA Y	P	P	A	A	P	P	P	P	P	P	P	P	P	P
8	BALASUBRAMANIAN K	P	P	P	P	P	P	P	P	P	P	P	P	A	A
9	CHITRA B	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	ELSAMARIYA PA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	IMRAN BASHA N	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	MANIKANDAN K	P	P	P	P	P	P	A	A	A	P	P	P	P	P
13	MANJUSHA P M	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	MANOJ M	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	MOHAMED THOUFEEK G	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	NASEEM BACKER	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	NIMISHA K	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	NISAM SHAKIR KA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	RAHUL R	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	REMO B GEORGE	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	RIFANA A	A	A	P	P	P	P	P	P	P	P	P	P	P	P
22	ROHITH G	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	SILPA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	SNEHA P S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	SUBISHA P V	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	SUSEELA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	ATHIRA.S.NAIR	P	P	P	P	A	A	P	P	P	P	P	P	P	P
28	HRITHIKESH.J	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	KALA.C	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	ABHIMANYU.H	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	AISWARYA.G.MENON	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	RANJITH.A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	AKSHAY.G.BHAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	ARJUN RAJENDRAN	P	P	P	P	P	P	P	P	P	A	A	P	P	P
35	ASHWINI.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	BHAVYA LAKSHMI.T.R	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	BINTO BENNY.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	DEVI K.G	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	FIROZ.B	P	P	A	A	P	P	P	P	P	P	P	P	P	P
40	JEREENA.J	P	P	P	P	P	P	P	P	P	P	P	P	P	P

VEE XPLORE

The Emerging Technology

CERTIFICATE OF COMPLETION

This is to certify that

FIROZ.B

has successfully completed the Certificate Educational Course during 27.12.17to 04.01.17 on topic "IoT USING RASPBERRY PI" at JCT College of Engineering and Technology, Pichanur, Coimbatore.

VEE XPLORE COIMBATORE

For VEE XPLORE

DIRECTOR

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Computer Science and Engineering

| | | |

VEE XPLORE

The Emerging Technology

CERTIFICATE OF COMPLETION

This is to certify that

JEREENA.J

has successfully completed the Certificate Educational Course during 27.12.17to 04.01.17 on topic "IoT USING RASPBERRY PI" at JCT College of Engineering and Technology, Pichanur, Coimbatore.

VEE XPLORE ★ COIMBATORE - 6 ★

For VEE XPLORE

DIRECTOR

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

TÜV AUSTRIA

Department of Computer Science and Engineering

Student Feedback

Name of the Student: Firoy. B

Year Third

Course Name: IoT Using Raspberry Pi

Students are required to rate the courses

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher				
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating		✓		

Signature

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Computer Science and Engineering

Student Feedback

Name of the Student: Athmini. K

Year IV

Course Name: IOT Using Raspberry Pi

Students are required to rate the courses

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback			✓	
10. Overall rating			✓	

Athmini. K.

Signature

From ,

Mrs.Thahseen Thahir

ECE department,

JCT college of Engineering and Technology,

Pichanur , Coimbatore .

To ,

The principal ,

JCT college of Engineering and Technology,

Pichanur , Coimbatore .

Respected sir,

Subject: Regard the permission for conducting an value added course

We are planning to conduct a five days value added course on "**IMAGE AND SIGNAL PROCESSING USING MAT LAB**" from 20th January 2018 to 24th February 2018. So my humble request you to grant me permission to conduct the value added course.

Yours sincerely,

Mrs.Thahseen Thahir

AP/ECE

Date: 4/1/2018

Place: Pichanur

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

TÜV AUSTRIA

Department of Electronics and Communication Engineering

CIRCULAR

24.01.2018

We are planning to conduct a five days value added course on **"IMAGE AND SIGNAL PROCESSING USING MAT LAB"** from 3rd February 2018 to 03rd march 2018 (5 Saturdays) in our department. So we kindly request all the students to participate in this course and update your technical knowledge.

HOD-ECE

Circulation to:

- To be displayed on Notice Board.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

TÜV AUSTRIA

Department of Electronics and Communication Engineering

COURSE TIME TABLE

DATE \ TIME/PERIOD	1 9 am to 10 am	2 10 to 11 am	3 11 to 12 am	4 12 to 12.45 pm	5 1.30 pm to 4.30 pm	6	7
25/6/2018	INTRODUCTION	←	MODULE-I	→	PRACTICAL SESSION		
26/6/2018	MODULE-II		MODULE II		MODULE-II		
27/6/2018	MODULE-II		PRACTICAL SESSION		PRACTICAL SESSION		
28/6/2018	MODULE III		MODULE III		MODULE III		
29/6/2018	← PRACTICAL SESSION		→		MODULE-IV →		
2/7/2018	MODULE-IV	PRACTICAL SESSION	←		MODULE-V →		
3/7/2018	PRACTICAL SESSION		TEST		CERTIFICTION		

COORDINATOR

HOD/ECE

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SUMMER TRAINING PROGRAM
MATLAB & Image Processing

Why MATLAB & Image Processing Training from RoboSpecies Technologies?

1. **Lot of Major Projects** will be covered in this training.
   - 20+20 Projects are covered in BASIC Module
   - 20+20+20 Projects are covered in ADVANCE Module
   - 8 optional major projects
2. Our syllabus is professionally designed to cover **Basic** as well as **Advance** aspects of Embedded Systems & Robotics
3. Each day of our training is well planned to provide you with **Theoretical** as well as **Practical** knowledge of the module.
4. Each day will come up with **New Practicals & Projects** which makes the training interesting and exciting.
5. Time to time **Practical Assignments** will be provided to the students, which will help them in doing practice at home.
6. **Revision Time & Query Sessions** are provided to the students which help them in clearing previous doubts.
7. **Exam** will be conducted at the end of **basic** as well as **Advance** module to test the knowledge level of the students.
8. Time for **Project Work** will be provided to the students, in which students will develop a project of their own choice. This will encourage **Innovative Ideas** among students.

Pre-Requisites

1. Basic knowledge of C\C++ Programming.
2. Basics of Electronics.
3. Eagerness to learn new innovative things.

Recommendation

It is strongly recommended to bring your own LAPTOP during the training so that you can easily practice the exercises at home.

Who Could Attend this Training?

- Students from B.E/B.Tech/M.Tech/Diploma (ECE/EEE/CSE/IT/MECH) can join this training.
- Anyone who have interest in this field and have pre-requisite knowledge

Image Processing Using MATLAB Kit Content for ADVANCE MODULE

- ☐ BO Motors (2)
- ☐ IR Sensor Board (2)
- ☐ Remote Controller(1)
- ☐ Electronica Kit(1)
- ☐ Motor Driver board(1)
- ☐ RoboSpecies Chassis (1)
- ☐ Wheels (2)
- ☐ Caster Wheel(1)
- ☐ Screw driver (1)
- ☐ Screw packet(1)
- ☐ Arduino Uno
- ☐ Seven Segment Display Shield (1)
- ☐ Basic Arduino Shield(1)
- ☐ LCD Shield (1)
- ☐ DTMF shield (1)
- ☐ Ultrasonic (1)
- ☐ RoboSpecies Goodies.
- ☐ Robotics Made Easy- Robotic eBook (1)

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36. Intelligent color follower BOT
37. Color differentiator software using MATLAB
38. Power control through gesture
39. Multiple switching device through gestures
40. Edge detector BOT
41. Gesture controlled web browsing
42. Motion controlled device
43. Number plate tracking system
44. Traffic control cameras
45. Antitheft device
46. Home security system
47. Toll gate system
48. Object Detection using Image processing
49. Virtual switching system
50. Object Tracking BOT
51. Color tracking display device
52. LCD based counter
53. LCD based line follower BOT
54. Gesture controlled BOT using accelerometer
55. Music tracking BOT
56. Controlling Audio player using MATLAB
57. Gesture Controlled PC applications
58. Controlling multiple devices using Hand Gesture
59. Design a pattern on LED matrix with MATLAB
60. Accelerometer based security system

Number of Projects Covered in ADVANCE MODULE

1. Blink a LED using a switch
2. Glowing LEDs in pattern of your own choice.
3. Designing of RGB color pattern
4. Color detection in still image
5. Edge detection in still image
6. Cam-shots
7. Serial communication in MATLAB
8. MATLAB interfaced manual BOT
9. Controlling power through MATLAB
10. Automatic light control system
11. Flood control alarm system
12. Generation of MIDI tones
13. Intelligent blind stick
14. Manual robotic car
15. Automatic line follower Robot
16. Security system based module
17. Black and white surface detection using IR sensor
18. Automatic opening and closing of door
19. Automatic obstacle detection System
20. LDR based Darkness activation system
21. LDR based Light activation system
22. Daily Alarm Clock Color detection in live image
23. Converting the graphical format of live video
24. Gesture controlled device
25. Real time color absorption
26. Seven segment based counter/timer
27. Seven segment display through MATLAB
28. Music player using color detection
29. Video player using color detection
30. Automatic gesture controlled BOT
31. Touch screen controlled power system
32. Touch screen controlled BOT
33. Mobile switching device
34. Mobile (DTMF) controlled BOT
35. Line follower BOT using image processing

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Course Name : MATLAB & Image Processing

Duration : 35 hours

1. For MATLAB & Image Processing(ADVANCE)

ADVANCE MODULE – MATLAB & Image Processing	
HOURS	TOPICS
1	**Theory** • Introduction to RoboSpecies & Robotics • Introduction to MATLAB • Basics of hardware and software
2	**Theory** • Matrix laboratory • Basics of MATLAB Programming • Digital Laboratory Explanation **Practical** • Mathematical Calculations using MATLAB • Command window, Workspace, Command History
3	**Theory** • 2D-3D plots • Explanation of sub-plotting function **Practical** • Sub plotting the matrix functions • Editing plots
4	**Theory** • Introduction to Arduino • Driver and software installation • Microcontroller ATMEGA 328p **Practical** • Digital signaling in MATLAB • Integrating LED with Arduino
5	**Theory** • Microcontroller ATMEGA 328 • Digital signaling in MATLAB **Practical** • Integrating analog signals in Arduino • Analog i/p and o/p signal • Traffic light control • Pattern of LEDs • Alarm Clock
6	**Theory** • Introduction to Image Processing • Resolution and game of pixels • Image arithmetic **Practical** • Installing webcam with MATLAB • Conversion of color images
7	**Theory** • Image acquisition toolbox **Practical** • Taking snapshots from live video • Conversion of image formats
8	**Theory** • Introduction to IR Sensors • Working of Comparator • ADC Theory **Practical** • Detecting white and black surface with digital IR sensors • Monitoring analog and digital sensors
9	**Theory** • Introduction to Motor Driver **Practical** • Controlling motors with these IR sensors • Integrating motors with ATMEGA 328
10	**Theory** • Serial and Parallel communication • Explanation of serial library • Introduction to serial communication in MATLAB • Working with COM ports in MATLAB **Practical** • Interfacing of MATLAB with Arduino • Serial and Parallel Interface • LED interfacing in bread board with MATLAB
11	Competition, Doubts & Practical Session

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HOURS	TOPICS
12	**Theory** • Serial monitor and its functioning • Reading and writing of serial data in serial monitor **Practical** • LED interfacing with MATLAB
13	**Theory** • Advance Concepts of TOUCH SCREEN. • Touch Screen as asensor **Practical** • Utilizing the readings for some applications. • Controlling motors using Quadrant Division on Touch screen.
14	**Theory** • Live Videography usingMATLAB • Integrating Real world with digital world **Practical** • Color conversion in live video • Counting pixels in live image
15	**Theory** • Explanation of different parameters in MATLAB • Identifying area of interest in the snapshot taken from the webcam **Practical** • Detection of edges using Image Processing • Color recognition/detection in live video • How to divide the screen resolution using MATLAB programming
16	**Theory** • Introduction to DTMF Technology. • Effectiveness of This Technology. • Several Mobile controlled applications. **Practical** • Testing of DTMF • Integrating DTMF with Basic Shield
17	**Theory** • Introduction to GSM based technology • Effectiveness of This Technology. • 8870 Decoder IC **Practical** • Integrating DTMF with motors. • Remotely controlling of robots.

S	TOPICS
24	**Theory** • Seven segment displaydevice **Practical** • Controlling the display devices using color detection • Seven segment counterdevice
25	**Theory** • Seven segment displaydevice **Practical** • Integrating SSD with MATLAB Using serial communication • Seven segment controlled BOT
6	**Theory** • Theory of screen coordination system • How to divide the resolution of screen using programming **Practical** • Automated control bot using hand gesture • Algorithm of line follower using image processing
7	**Theory** • Integrating MATLAB with Seven Segment Display **Practical** • Interfacing MATLAB with Seven Segment Display • Controlling internet using Image processing
8	**PROJECT**
9	**PROJECT**
0	Competition, Doubts & Practical Session
1	**Theory** • How to work on binary images • Concept of 1-bit and 8-bit image **Practical** • GESTURE Controlled Web Browsing. • Gesture controlled Robot. • Gesture controlled PC Applications.
2	**Theory** • Color difference • Explanation of Real time signal processing **Practical** • Detecting RGB on the same screen • Controlling multiple outputs using color detection • Controlling different devices using RGB caps in fingers

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YS	TOPICS
40	**Theory** • Explanation of speed control of a DC motor **Practical** • Motion control system • Display the pixel values of live video on LCD • Gaming control systems using analog systems
41	**Theory** • Explanation of object tracking logic using programming **Practical** • Object Detection Bot • Web browsing using image processing • Ball Tracking Bot • Control the speed of motor using color tracking
42	**Theory** • Signal processing in MATLAB • Wave read and write using MATLAB **Practical** • Design of a counter using MATLAB • Scrolling text in LCD using object detection • Music tracking Bot Using image processing
43	**PROJECT**
44	Doubts and competition of line follower bot
45	Certificate Distribution Cum Farewell Ceremony

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COIMBATORE-105
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IMAGE AND SIGNAL PROCESSING USING MAT LAB
REGISTER

s.no	REG.NO	NAME	SIGNATURE
1	720916106001	ABHIMANYU.K	
2	720916106002	ADHEEB KADAVATH	
3	720916106005	ARIYA.V	
4	720916106006	ARUL NELSON.J	
5	720916106008	ASIF ALI .P	
6	720916106009	ASWATHY.P	
7	720916106010	DEVI DHARSHINI .K	
8	720916106011	EASTER JANEESH.J	
9	720916106012	GOMATHI .A	
10	720916106013	JABIR.K.A	
11	720916106014	JANANI.J	
12	720916106015	JISHNURAJ.K.J	
13	720916106016	JITHU.J	
14	720916106018	KALEES	
15	720916106020	KARUPPATHAL.D	
16	720916106022	MOHAMMED RABIYULLA.K	
17	720916106023	MUHAMMED ALSHIF T.P	
18	720916106024	NANDHINI .V	
19	720916106025	NAVEENA .M	
20	720916106026	NAVYA.N	
21	720916106027	NIKITA.B	
22	720916106029	NIVEDHA.V	
23	720916106030	POOMANI BHARATHI.J	
24	720916106031	RAJA PRIYA.S	
25	720916106032	RAMYA.R	
26	720916106033	SABAREESH T.R	
27	720916106035	SAJINAMOL.A	
28	720916106036	SANGEETHA .A	
29	720916106038	SHYBEESH.S	
30	720916106039	SURYA.S	
31	720916106040	VASUMATHI.M	
32	720916106041	VELAVAN.R	
33	720916106301	ANAS.T	
34	720916106501	ABISHAKE. U	
35	720916106701	HANEEF AHAMED.I	
36	720915106002	AJAY SANKAR.A	
37	720915106003	AJMAL.B	
38	720915106004	ALTHAF.M.A	
39	720915106005	ATHIRA.A.M	
40	720915106006	HARI.N.P	
41	720915106007	ISHA NAZLIN.M	
42	720915106008	LUBNA.N.A	
43	720915106010	MEENU VIJAYAN	
44	720915106011	NIDHEESH.P.N	

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IMAGE AND SIGNAL PROCESSING USING MAT LAB
ATTENDANCE REPORT"

		DATE	3/2/2018							10/2/2018							17/02/18							24/02/18							3/3/2018						
		HOURS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
s.no	REG.NO	NAME																																			
1	720916106001	ABHIMANYU.K	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/
2	720916106002	ADHEEB KADAVATH	/	/	/	/	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	a	/	/	/	/
3	720916106005	ARIYA.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	720916106006	ARUL NELSON.J	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	a	/	/	/	/	/	/	/
5	720916106008	ASIF ALI .P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
6	720916106009	ASWATHY.P	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	720916106010	DEVI DHARSHINI .K	/	/	a	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	720916106011	EASTER JANEESH.J	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	
9	720916106012	GOMATHI .A	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
10	720916106013	JABIR.K.A	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	a
11	720916106014	JANANI.J	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/
12	720916106015	JISHNURAJ.K.J	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/	/
13	720916106016	JITHU.J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
14	720916106018	KALEES	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	720916106020	KARUPPATHAL.D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	a
16	720916106022	MOHAMMED RABIYULLA.K	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a
17	720916106023	MUHAMMED ALSHIF T.P	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	720916106024	NANDHINI .V	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	a
19	720916106025	NAVEENA .M	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/
20	720916106026	NAVYA.N	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
21	720916106027	NIKITA.B	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
22	720916106029	NIVEDHA.V	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	720916106030	POOMANI BHARATHI.J	/	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	720916106031	RAJA PRIYA.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	a
25	720916106032	RAMYA.R	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/
26	720916106033	SABAREESH T.R	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
27	720916106035	SAJINAMOL.A	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	720916106036	SANGEETHA .A	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	a	/	/	/	/	/	/	/	/
29	720916106038	SHYBEESH.S	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/
30	720916106039	SURYA.S	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/

45	720915106012	NITHIN RAJ.K	
46	720915106013	RATHNA .P	
47	720915106014	SABEENA BEEGUM.S	
48	720915106018	SRUTHI.EP	
49	720915106019	VARSHA.M	
50	720915106020	VIGNESH.S	
51	720915106022	VISHNU.T	
52	720915106023	VISHNU.T.U	
53	720915106301	ALBIN PAUL CORREYA .M	
54	720915106302	SHAHUL JEFRY .N	
55	720915106303	VISHAL.V.VARGHESE	

HOD/ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that

SABEENA BEEGUM.S

has participated in the Value added course on "IMAGE AND SIGNAL PROCESSING USING MATLAB" at JCT College of Engineering and Technology, Coimbatore during 03.02.2018 to 03.03.2018 (5 days)

COORDINATOR

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HOD

PRINCIPAL

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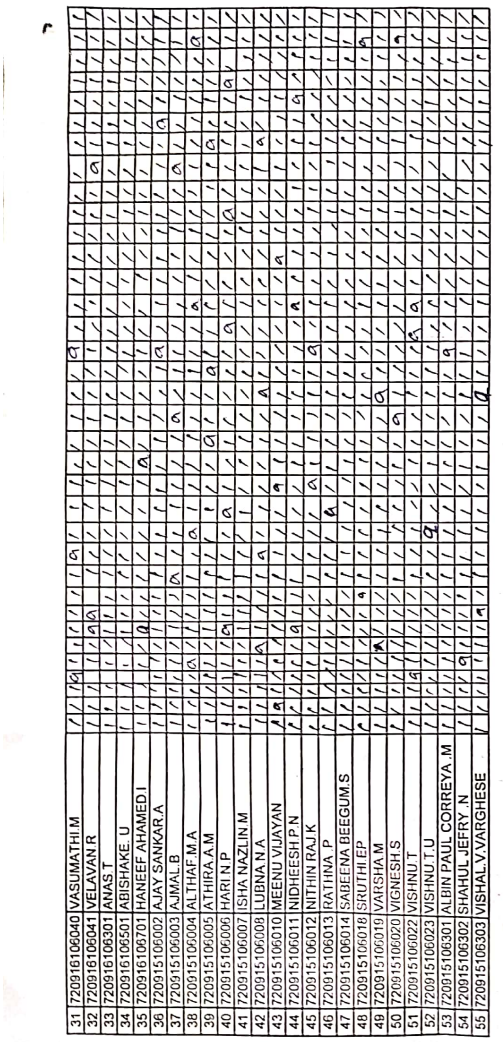

| | | |

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that

RAMYA . R

has participated in the Value added course on "IMAGE AND SIGNAL PROCESSING USING MATLAB" at JCT College of Engineering and Technology, Coimbatore during 03.02.2018 to 03.03.2018 (5 days)

COORDINATOR HOD PRINCIPAL

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This is to certify that

SABAREESH T R

has participated in the Value added course on "IMAGE AND SIGNAL PROCESSING USING MATLAB" at JCT College of Engineering and Technology, Coimbatore during 03.02.2018 to 03.03.2018 (5 days)

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RATHNA.P

has participated in the Value added course on "IMAGE AND SIGNAL PROCESSING USING MATLAB" at JCT College of Engineering and Technology, Coimbatore during 03.02.2018 to 03.03.2018 (5 days)

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NITHIN RAJ.K

has participated in the Value added course on "IMAGE AND SIGNAL PROCESSING USING MATLAB" at JCT College of Engineering and Technology, Coimbatore during 03.02.2018 to 03.03.2018 (5 days)

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

Department of Electronics and communication Engineering

TÜV AUSTRIA

Report on Image And Signal Processing Using Mat Lab

The Department of Electronics and communication Engineering organized a Vocational educational Career Program on **IMAGE AND SIGNAL PROCESSING USING MAT LAB,** from 03/02/2018to 03/02/2018 .The resource person for this program was **Mrs.Thahseen Thahir,** internal faculty of ECE Department. The program started with the prayer song. The welcome address was given by Mr.A.Ponbharathi, Assistant Professor, Department of Electronics and communication Engineering. The Felicitation address was given by Dr.G Ramesh, Principal of JCT College of Engineering and Technology, Coimbatore. He has first given an introduction about digital image processing which has a major impact on the way in which a image pixel works, and therefore if the image compression designed in an effective way, then the circuit will perform more reliably and within its specification by illustrating a power point presentation and afternoon section practically developed our knowledge.

HOD/ECE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

TÜV

Department of Electronics and Communication Engineering

Student Feedback

Name of the Student: Ajay Sankar A Sex (M/F): M

Department: ECE E-mail ajaysankar6222@gmail.com

Address: Gokulam house, Chavadiyur, Mannur Mobile: 7550715161

Students are required to rate the courses

Name of the Trainer: Thahseen Thahir

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating	✓			

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Short Term Course

Mobile application Development using Android

Objective of the Course:

Android Application Development course is designed to quickly get you up to speed with writing apps for Android devices. The student will learn the basics of Android platform and get to understand the application lifecycle

Learning Outcomes:

By the end of the course, student will be able to write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more.

Duration of the Course (in hours) 45 hrs

Minimum Eligibility Crite ria and Prere quisite, if any:

BE/BTech/Msc(IT/ computer Science / Electronics), MCA, BCA or equivalent of any of these. Degree holders with PGDCA, DOEACC A, B level, Diploma Computer Sc, Electronics, or others with relevant experience and final year students also may apply.

Outline of Course

S. No	Topic	Hours
1.	MODULE-I Programming Revision (Object Oriented Programming Concepts & Java Fundamental)	7hrs
2.	MODULE-II Android : Activities , Content Providers, Intents , Services, Storage, Network, Multimedia , GPS , Phone Services , XML Layouts , widgets, permission , Sensor Manager- Accelerometer, gyroscope etc.	15hrs
3.	MODULE-III Threads, Animation, Refresher handler, Game Engine, Animated 2D Games, Google Play Store and Lot more	10 hrs
4.	MODULE-IV Basics of Data Base, Introduction to SQ Lite and CRUD Operations	5hrs
5.	MODULE-V Project: Data base Application Development using SQ Lite, Client Server Application Development Using JSON for mobile Devices	7 hrs
	Theory / Lecture Hours	28 hrs
	Practical / Tutorial / Lecture Hours/Test	17 hrs
	Total Hours	45hrs

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Electronics and Communication Engineering

CIRCULAR

03.04.2018

We are planning to conduct a five days value added course on "**ANDROID FOR MOBILE APPLICATION**" from 25th june 2018 to 3rd july 2018 in our department(ECE & CSE). So we kindly request all the students to participate in this course and update your technical knowledge.

HOD-ECE

Circulation to:

- To be displayed on Notice Board.
- ECE/CSE class rooms

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From

Dr.V.J.Arulkarthik,
Prof & Head,
Department of Electronics and communication engineering,
JCT College of Engineering and Technology,
Coimbatore-641105 ,

To

The principal ,
JCT college of Engineering and Technology,
Pichanur , Coimbatore .

Respected sir,

Subject: Regard the permission for conducting an value added course

We would like to bring your kind notice that we the department of ECE is in need of value added program on the topic "**ANDROID FOR MOBILE APPLICATION**" for III/IV year students during from 25Th June 2018 to 3rd July 2018 .

Yours Faithfully,

Dr.V.J.Arulkarthik
(HOD/ECE)

Date: 02/1/2018

Place: Pichanur

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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BIO DATA

1	RESOURCE PERSON NAME	M.JESURAJ
2	QUALIFICATION	B.E (BACHOLAR OF ENGINEERING
3	COMPANY NAME	HI-TECH ELECTRONICS
4	DESIGNATION	CHIEF EXECUTIVE
5	SEPECILIZATION DOMAIN	ANDROID
6	TOTAL NO OF EXPERIENCE	6YEARS
7	COMPANY ADDRESS	HI-TECH ELECTRONICS, NO12/A, VASANTH NAGER, KARUMANDABAM, TRICHY-620 001.

SIGNATURE

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Hi-Tech
ELECTRONICS
NO.12/A,3rd cross, Vasanth nagar, Viswas Nagar.
Karumandabam,Trichy-620 001.
phone:0431 - 2481970
E.mail:hiteel@ymail.com
T.I.N:33223562247

Module 05a: Hello World App Demo

Module 06: Main Building Blocks
- Activities
- Activity lifecycle
- Intents
- Services
- Content Providers
- Broadcast Receivers
- Lab Exercise: Review Activities, Intents, and Content Providers

Module 06a: Main Building Blocks Demo

Module 07: Basic Android User Interface
- XML versus Java UI
- Dips and sps
- Views and layouts
- Common UI components
- Handling user events
- Lab Exercise: Create Application with onClick, onKeyDown, onFocusChanged Event Handlers

Module 07a: Basic Android User Interface Demo

Module 08: Android System Overview
- File System
- Preferences
- Notifications
- Security model
- Lab Exercise: Create Application with Toast Notifications

Module 09: Advanced Android User Interface - Part One
- Selection components
- Adapters
- Complex UI components
- Building UI for performance

Module 10: Advanced Android User Interface - Part Two
- Menus and Dialogs
- Graphics
- Animation
- Lab Exercise: Create Application with Android's Advanced User Interface Functions

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Module 10a: Advanced Android User Interface Demo

Module 11: Multimedia in Android
- Multimedia Supported audio formats
- Simple media playback
- Supported video formats
- Simple video playback
- Lab Exercise: Create Android Audio/Video Application

Module 11a: Multimedia in Android Demo

Module 12: SQL Database
- Introducing SQLite
- SQLiteOpenHelper and creating a database
- Opening and closing a database
- Working with cursors Inserts, updates, and deletes
- Lab Exercise: Create Application to Create, Modify and Query an SQLite Database

Module 12a: SQL Database Demo

Module 13: Basic Content Providers
- Content provider MIME types
- Searching for content
- Adding, changing, and removing content
- Working with content files
- Lab Exercise: Create Application that Works with an Android Content Provider

Module 13a: Basic Content Providers Demo Module 14:

Data Storage, Retrieval and Sharing
- Android Techniques for Saving Data
- Saving Simple Application Data
- Creating and Saving Preferences
- Retrieving Shared Preferences
- Saving Activity State
- Creating a Preferences Page
- Saving and Loading Files
- Lab Exercise: Create application that performs Data Storage and Retrieval from Android External Storage

Module 15: Mapping and Location Based Services

A man he who trusts in the LORD (Jesus) will prosper-proverbs 28:25

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ANDROID FOR MOBILE APPLICATION

Assessment schedule

DAY	CONTENT
1	Android basics
2	User interface
3	Multi screen apps
4	Networking
5	Data storage
6	Advanced android developing
7	practical

Introduction to Android Programming
Training Course Outline

Course Description:

Interested in learning how to make Android apps? Learn Android programming with our 2-part training course series. *Introduction to Android Programming* and *Advanced Android Programming* make it easy and efficient to learn Android development.

This Android training course is designed to quickly get you up to speed how to make Android apps for Android devices. This Android development training course will teach you the basis of the Android platform and the application lifecycle. You will be able to write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more by the end of this Android training course course.

Course Objectives:

As a result of taking this Android training course, you will be able to:
- Describe the platforms upon which the Android operating system will run.
- Create a simple application that runs under the Android operating system.
- Access and work with the Android file system.
- Create an application that uses multimedia under the Android operating system.
- Access and work with databases under the Android operating system.

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T.I.N:33223562247

Course Prerequisites:

Java/OOP programming is required. The Java prerequisite can be met by either having the equivalent Java /OOP programming experience or completing *Programming in Java 6 with Swing and Servlets Parts 1 and 2.*

Modular Outline:

Module 00: Introduction to Android Programming - Course Introduction

Module 01: Android Overview and History - Part One
- How it all got started
- Why Android is different (and important)
- Native Android Applications
- Android SDK Features

Module 02: Android Overview and History - Part Two
- Android Development Environment
- Elements of Android SDK
- Android Software Stack
- Android Application Architecture
- Android Libraries
- Lab Exercise: Initial Configuration of the Android SDK

Module 03: Android Stack
- Overview of the stack
- Linux kernel
- Native libraries
- Dalvik
- App framework
- Apps
- Lab Exercise: Configure Initial Application, Run in Emulator

Module 04: SDK Overview
- Platforms
- Tools
- Versions
- Lab Exercise: Download and Create in Android Virtual Device Manager

Module 05: Hello World App
- Creating your first project
- The manifest file
- Layout resource
- Running your app on Emulator
- Lab Exercise: Create, Compile and Run 'Hello, Android' App

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE-105
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ATTENDANCE REPORT

COURSE NAME:ANDROID FOR MOBILE APPLICATION

S.NO	NAME	DATE	23/6/18					26/6/18					27/6/18					29/6/18					30/6/18					2/7/18					3/7/18				
		HOURS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1	ABDUL FARIS A		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	AISWANI UNNI		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	AKSHAY M		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	ANEESH T M		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	ASFAL M A		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	ASHA NELLY G		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	ASHIFA A		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	DEEPIKA R		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	GOKILA P		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	JITHIN K HARIDAS		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	JOSE PAUL		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	MANIKANDAN S		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	MOHANA PRIYA N		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	NIDHILA K		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	PRAJITHA P K		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	SARANYA S		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	SARATH C		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	SARATH GOPI		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	SIVARAJ T		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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21	DEEPAK KRISHNA S V		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	MOHAMMED HASHIM T. P.		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	RAJAN SAMUEL		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	SAMEMULHAQ M		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	SHYAM MOHAN		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	ARJUN		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	AJAY SANKAR.A		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	AJMAL.B		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	ALTHAF.M.A		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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31	HARI.N.P		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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33	LUBNA.N.A		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	MEENU VIJAYAN		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	NIDHEESH.P.N		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	NITHIN RAJ.K		G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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38	SABEENA BEEGUM.S		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	SRUTHI.EP		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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41	VIGNESH.S		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42	VISHNU.T		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43	VISHNU.T.U		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44	ALBIN PAUL CORREYA .M		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45	SHAHUL JEFRY .N		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46	VISHAL.V.VARGHESE		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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E.mail:hiteel@ymail.com
T.I.N:33223562247

- Using Location Based Services
- Setting up your Emulator with Location Based Services
- Selecting a Location Provider
- Finding Your Location
- Using Proximity Alerts
- Using the Geocoder
- Creating Map Based Activities
- Lab Exercise: Create Location-Aware application that uses Proximity Alerts and Google Maps API

Module 15a: Mapping and Location Based Services Demo

Module 16: Working in the Background
- Introducing Services
- Using Background Worker Threads
- Introducing Notifications
- Using Alarms
- Lab Exercise: Create application with One-Time, Repeating Alarms, and Long-Running Background Task as Service

Module 16a: Working in the Background Demo

A man he who trusts in the LORD (Jesus) will prosper-proverbs 28:25

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COIMBATORE-105
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
REGISTRATION

S.NO	NAME	SIGNATURE
1	ABDUL FARIS A	
2	AISWANI UNNI	
3	AKSHAY M	
4	ANEESH T M	
5	ASFAL M A	
6	ASHA NELLY G	
7	ASHIFA A	
8	DEEPIKA R	
9	GOKILA P	
10	JITHIN K HARIDAS	
11	JOSE PAUL	
12	MANIKANDAN S	
13	MOHANA PRIYA N	
14	NIDHILA K	
15	PRAJITHA P K	
16	SARANYA S	
17	SARATH C	
18	SARATH GOPI	
19	SIVARAJ T	
20	SRUTHY S	
21	DEEPAK KRISHNA S V	
22	MOHAMMED HASHIM T. P.	
23	RAJAN SAMUEL	
24	SAMEMULHAQ M	
25	SHYAM MOHAN	
26	ARJUN	
27	AJAY SANKAR.A	
28	AJMAL.B	
29	ALTHAF.M.A	
30	ATHIRA.A.M	
31	HARI.N.P	
32	ISHA NAZLIN.M	
33	LUBNA.N.A	
34	MEENU VIJAYAN	
35	NIDHEESH.P.N	
36	NITHIN RAJ.K	
37	RATHNA .P	
38	SABEENA BEEGUM.S	
39	SRUTHI.EP	
40	VARSHA.M	
41	VIGNESH.S	
42	VISHNU.T	
43	VISHNU.T.U	
44	ALBIN PAUL CORREYA .M	
45	SHAHUL JEFRY .N	
46	VISHAL.V.VARGHESE	

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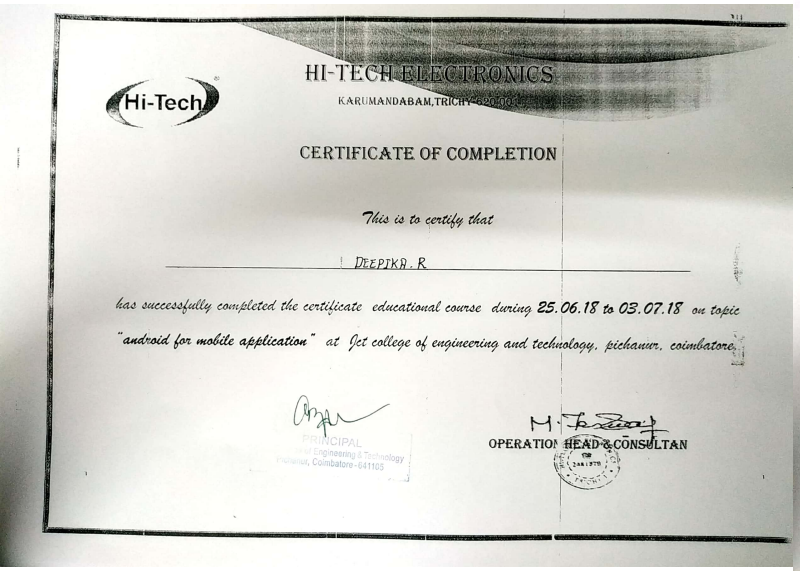

HI-TECH ELECTRONICS

KARUMANDABAM,TRICHY-620 001

CERTIFICATE OF COMPLETION

This is to certify that

DEEPIKA.R

has successfully completed the certificate educational course during 25.06.18 to 03.07.18 on topic "android for mobile application" at Jct college of engineering and technology, pichanur, coimbatore.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

OPERATION HEAD & CONSULTAN

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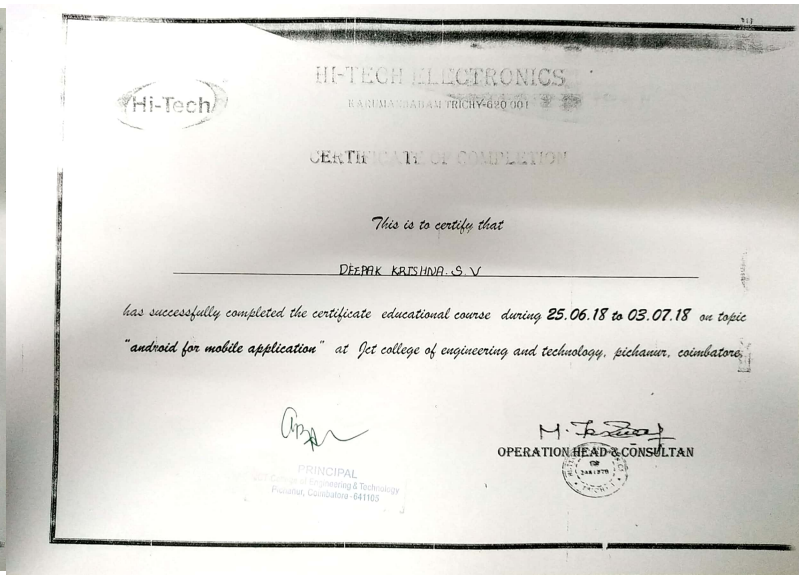

HI-TECH ELECTRONICS

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DEEPAK KRISHNA.S.V

has successfully completed the certificate educational course during 25.06.18 to 03.07.18 on topic "android for mobile application" at Jct college of engineering and technology, pichanur, coimbatore.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

OPERATION HEAD & CONSULTAN

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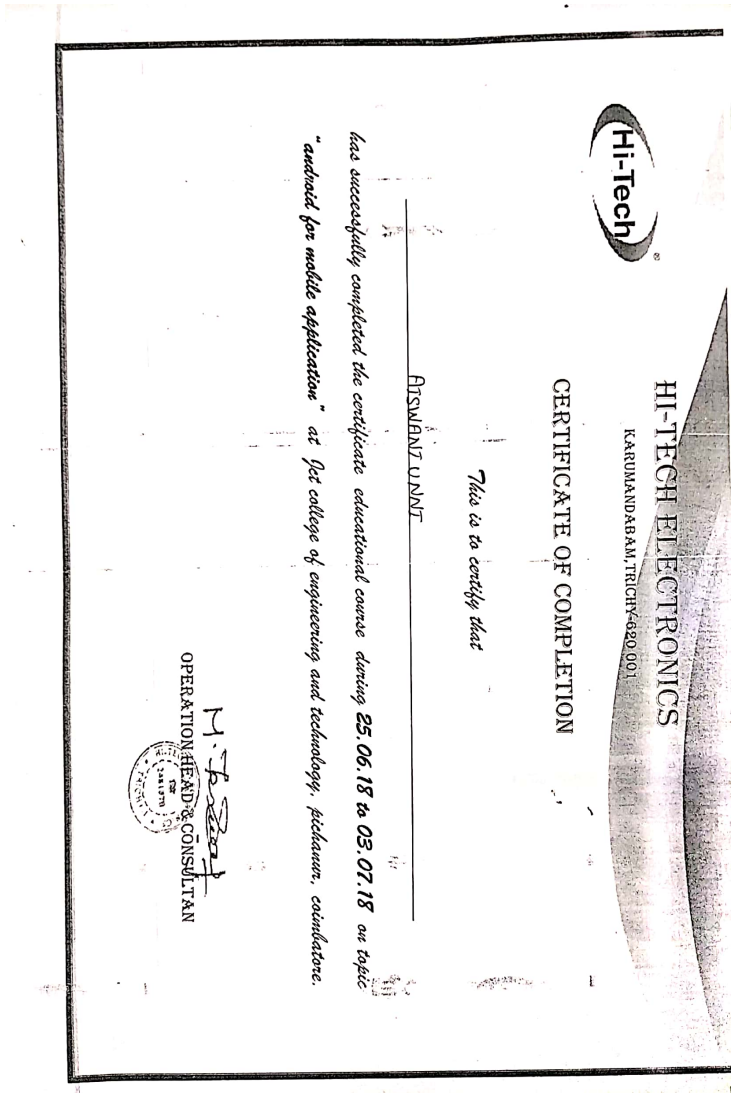

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AISWANT U NNT

has successfully completed the certificate educational course during 25.06.18 to 03.07.18 on topic "android for mobile application" at Jct college of engineering and technology, pichanur, coimbatore.

OPERATION HEAD & CONSULTAN

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

Department of Electronics and Communication Engineering

Student Feedback

Name of the Student: Prajitha P.K Sex (M/F): F

Department: ECE E-mail: Prajitha.P.K@gmail.com

Address: Palakkad Mobile: 7356746593

Students are required to rate the courses

Name of the Trainer: Mr. M. Tesvaraj

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course			✓	
9. Provision of sufficient time for feedback	✓			
10. Overall rating	✓			

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Hi-Tech

HI-TECH ELECTRONICS
KARUMANDABAM,TRICHY-620 001

CERTIFICATE OF COMPLETION

This is to certify that

SRUTHI E P

has successfully completed the certificate educational course during **25.06.18 to 03.07.18** *on topic* ***"android for mobile application"*** *at Jct college of engineering and technology, pichanur, coimbatore.*

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

M. Tesvaraj
OPERATION HEAD & CONSULTAN

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Hi-Tech

HI-TECH ELECTRONICS
KARUMANDABAM,TRICHY-620 001

CERTIFICATE OF COMPLETION

This is to certify that

SARANYA S

has successfully completed the certificate educational course during **25.06.18 to 03.07.18** *on topic* ***"android for mobile application"*** *at Jct college of engineering and technology, pichanur, coimbatore.*

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

M. Tesvaraj
OPERATION HEAD & CONSULTAN

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105
Department of Electronics and Communication Engineering

CIRCULAR

27.11.2017

Our Department has arranged the certificate courses for our third/final year (ECE&CSE)students In order to fulfill our vision to create Industry ready Engineers. We are bringing the **Industrial experts from VEE XPLORE, Coimbatore to** take classes **on IoT USING RASPBERRY PI** during 27.12.2017 to 04.01.2017 (6 DAYS) in the semester holidays. All the students must attend these courses without fail. Contact your Class advisor for correspondence and Information.

HOD-ECE

Circulation to:

- To be displayed on Notice Board.
- ECE/CSE class rooms

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Internet Of Things using Raspberry Pi

Objective:

Internet of Things, or IoT in short, is the idea of making devices and objects smarter by linking them to the Internet.

This workshop introduces you to the amazing world of IoT and its fascinating applications. Using a Raspberry Pi computer and an IoT sensor, you will develop an electronic device that streams temperature and humidity data over the Internet. You can program the system in such a way that say whenever the temperature exceeds a certain limit, the device will automatically send an email notification.

Workshop Outcomes

- Learn the basics of Internet of Things and its applications
- Build your computer using Raspberry Pi platform
- Work with IoT sensors to detect humidity and temperature
- Setup IoT connectivity using a remote desktop
- Understand Raspbian OS, Python programming, SMTP and API
- Develop and test an IoT weather monitoring station

Kit Content

- Raspberry Pi 3+ model
- IoT Sensor
- Resistor
- Breadboard
- Connecting wires
- Ethernet cable(LAN) and "micro USB cable"
- micro SD memory card and SD memory card adapter

All the above components would be provided during the program to participants in groups of 2. All would be taken back at the end. If participant want to buy, then cost will be Rs5000/-per kit.

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From

Dr.V.J.Arulkarthik,
Prof & Head,
Department of Electronics and communication engineering,
JCT College of Engineering and Technology,
Coimbatore-641105 ,

To

The principal ,
JCT college of Engineering and Technology,
Pichanur , Coimbatore .

Respected sir,
Subject: Regard the permission for conducting an value added course

We would like to bring your kind notice that we the department of ECE is in need of add on course on the topic "**IoT USING RASPBERRY PI**" for III/IV year students during. 27.12.2017 to 04.01.2017 (6 DAYS) in the semester holidays .

Date: 27/11/2017
Place: Pichanur

Yours Faithfully,

Dr.V.J.Arulkarthik

(HOD/ECE)

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SHANMUGA SUNDARAM.S

MANAGING DIRECTOR

VEE XPLORE

SUMMARY

Detailed-oriented Embedded Software Engineer with over three years' experience and a strong technical/coding background that is essential to this role, including C, C++, Assembly languages and IOT.

EDUCATION

Aug '6 - Dec '10
Computer Science Theory and Systems/Engineering Methodology

EXPERIENCE

Vee Xplore, Embedded Software Engineer
Feb '11 - Current

- Developed regression test code for HFS project
- Designed and implemented firmware for the data acquisition subsystem, including sensor calibration, remote configuration, and logging
- Verified and recommended for Arch Fault Detection function code in Ozone AX8410/8415, including timer setting, pulse counting, and frequency calculating
- Managed and communicated software releases to the production environment

SKILLS

- Software Development
- SQL
- IoT

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Day 3

Introduction to Python programming Language

- History and Basic of Python
- My first program on scratch
- Led Blinking using Scratch

Interrupts

- Interrupt concept
- NVIC on Arm Cortex M4.
- Edge Trigger and SysTick Interrupt.
- Writing Interrupt Service Routine

Setting Up for a Perfect Pi Experience

- Operation Procedures.
- Updating Pi to Latest software's.
- Setting various Options and Personalizing.
- First introduction to the LINUX terminal.
- Introduction to the Open Source Software Library.

Introduction to LINUX Environment

- The Linux Organization Structure.
- LINUX Shell.
- SHELL Scripting.

Day 4

Getting Familiar with the GPIO Pins of your Pi

- Pin numbering Formats
- The Voltage hazard Information.
- The LED Interfacing.
- The First Button Interface with Raspberry Pi.
- General information on other pins and their functionality

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Hands-on session will include

- Setting up Raspberry PI
- Flashing the loading the SD card with the OS
- Booting the OS
- Intro of items on the desktop (Debian Linux/ Wheezy)
- Enabling GPIO pins
- LED interfacing using the GPIO

DAY : 5

Get 1-week Training Certificate from NSTP-2016 Association with ED Cell IIT-Roorkee

1. Certificate of Participation from NWTP-2017, Cognizance IIT Roorkee.
2. Certificate of merit from NWTP-2017 Cognizance IIT-Roorkee.
3. Certificate of Coordination from NWTP-2017 Cognizance, IIT-Roorkee.
4. College will get Center of Excellence form NWTP-2017 Cognizance IIT-Roorkee.

DAY : 6

What are the other requirements for this training program?

- Seminar hall/classroom having the enough capacity to conduct hands-on-session for all participants.
- Good Quality public address system ideally two cordless mikes will be required.
- Projector/ Screen along with black/white board for teaching and presentation purposes. .
- This training center can only be arranged for a minimum of 50 students
- 1-week Accommodation to our IOT Expert.

DAY : 7

Training Duration: 1-week (8 hours each day).

Training Fee:

One-week Training	Registration Fee
IOT using R-Pi	Rs.4200/-per attendee

(The fee includes service tax, training, certification, and Event registration and a **taken away IOT Kit to each Team of 2 members,**)

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1-week IOT Workshop Outcomes

What is IOT?

Learn: IoT - an Introduction?
Learn: IoT for Weather Monitoring?
Review: What is IoT?

Build your computer using Raspberry Pi
Learn: What is Raspberry Pi?
Do: Raspberry Pi Board
Do: Installing OS on your Raspberry Pi?

Sense Temperature and Humidity
Learn: Sensors
Learn: Temperature and Humidity Sensors
Do: How to work with DHT 11 Sensor
Review: How to sense Temperature and Humidity

Establish Remote Desktop Connection
Do: Internet Sharing from PC to Raspberry Pi
Do: Setup SSH connection using Putty
Do: Remote server access using VNC server

Raspbian OS
Do: Tools and Applications - An Introduction

Python Programming
Learn: An Introduction

Simple Mail Transfer Protocol
Learn: An Introduction
Do: Installation in Raspberry Pi
Do: Send simple Gmail - Python Programming

Application Programming Interface
Learn: An Introduction

Building IOT Weather Station
Do: Connecting DHT 11 sensor with Raspberry Pi
Do: Programming the Raspberry Pi for IOT

Testing
Do: Testing the IoT device

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1-Week IOT using Raspberry Pi Course Contents

Day 1

Introduction to Raspberry Pi

- Different Models of Raspberry Pi
- Why Raspberry Pi.
- Peripherals of Raspberry Pi.
- Applications of Raspberry Pi.
- Future of Micro Computing.

Preparing Your Raspberry Pi for First Use

- Different Operating Systems for Raspberry pi.
- Getting Started With NOOBS
- Getting things ready for first use
- NOOBS OS inside out
- Booting for the First time.

Day 2

Introduction to Microcontroller

- Diff B/w Microcontroller and Microprocessor
- Introduction to Raspberry Pi
- Architecture and Hardware specifications
- Introduction to ARM
- GPIOs

Introduction to Programming:

- Introduction to Scratch Programming
- History and basic of Scratch
- My first program on scratch
- Led Blinking using Scratch

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| | | |

VEE XPLORE

The Emerging Technology

CERTIFICATE OF COMPLETION

This is to certify that

ARISWANT UNNI

has successfully completed the Certificate Educational Course during 27.12.17to 04.01.18 on topic "IoT USING RASPBERRY PI" at JCT College of Engineering and Technology, Pichanur, Coimbatore.

VEE XPLORE COIMBATORE

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For VEE XPLORE
DIRECTOR

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VEE XPLORE

The Emerging Technology

CERTIFICATE OF COMPLETION

This is to certify that

NIDHI LA. K

has successfully completed the Certificate Educational Course during 27.12.17to 04.01.18 on topic "IoT USING RASPBERRY PI" at JCT College of Engineering and Technology, Pichanur, Coimbatore.

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The Emerging Technology

CERTIFICATE OF COMPLETION

This is to certify that

PITHAE M. D

has successfully completed the Certificate Educational Course during 27.12.17to 04.01.18 on topic "IoT USING RASPBERRY PI" at JCT College of Engineering and Technology, Pichanur, Coimbatore.

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For VEE XPLORE
DIRECTOR

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CERTIFICATE OF COMPLETION

This is to certify that

JITHIN K HARIDAS

has successfully completed the Certificate Educational Course during 27.12.17to 04.01.18 on topic "IoT USING RASPBERRY PI" at JCT College of Engineering and Technology, Pichanur, Coimbatore.

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For VEE XPLORE
DIRECTOR

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JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

From,

DATE 26-06-2017

D.Ashok Kumar,
Assistant professor,
Department of mechanical engineering,
JCT College of engineering andtechnology,
Coimbatore-641105.

To,

The principal,
JCT College of engineering and technology,
Coimbatore- 641105.

Sir,

Sub: permission of conducting Certificate Course on "ROBOTICS AND AUTOMATION" reg.

We have planned to conduct a Certificate Course on ROBOTICS AND AUTOMATION in academic year 2017-2018 for III year of Mechanical Department. We request you to grant us permission to conduct the course.

Thank you

Coordinator

HoD/Mech

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105
Department of Electronics and Communication Engineering

Student Feedback

Name of the Student: Saath Lal P Sex (M/F): M

Department: ECE E-mail Saath.1995@gmail.com

Address: Palakad Mobile 7010474424

Students are required to rate the courses

Name of the Trainer: Shanmuga Sundaram

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher			✓	
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating			✓	

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JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

17-18 ①

Department Of Mechanical Engineering

Date:30-06-2017

CIRCULAR

As we are going to conduct a CERTIFICATE COURSE on "ROBOTICS AND AUTOMATION" from10-07-2017 to 17-07-2017. Interested students are requested to enrol their names to program coordinator within two days.

HoD/Mechanical

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TÜV AUSTRIA

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Department of Mechanical Engineering

ROBOTICS AND AUTOMATION

PROGRAM SCHEDULE 10-07-2017 to 17-07-2017

Sno	Date	Session	Timing	Topic	Facilitator From
1.	10-07-2017	I	09:00 AM to 10:45 AM	Introduction	AGIIT
2.			10:45 AM to 11:00 AM	TEA BREAK	
3.		II	11:00 AM to 01:00 PM	Robotics Engineering	AGIIT
4.			01:00 PM to 01:45 PM	LUNCH BREAK	
5.		III	01:45 PM to 03:45 PM	Control System	AGIIT
6.			03:45 PM to 04:00 PM	TEA BREAK	
7.		IV	04:00 PM to 05:00 PM	Robotics Based Industrial Automation	AGIIT
8.	11-07-2017	I	09:00 AM to 10:45 AM	Computer Aided Modeling and Design	AGIIT
9.			10:45 AM to 11:00 AM	TEA BREAK	
10.		II	11:00 AM to 01:00 PM	Introduction to Wireless Networks	AGIIT
11.			01:00 PM to 01:45 PM	LUNCH BREAK	
12.		III	01:45 PM to 03:45 PM	Digital System Design	AGIIT
13.			03:45 PM to 04:00 PM	TEA BREAK	
14.		IV	04:00 PM to 05:00 PM	Mechatronics Systems and Applications	AGIIT
15.	12-07-2017	I	09:00 AM to 10:45 AM	Pneumatic and Hydraulic Control	AGIIT
16.			10:45 AM to 11:00 AM	TEA BREAK	
17.		II	11:00 AM to 01:00 PM	Image Processing	AGIIT
18.			01:00 PM to 01:45 PM	LUNCH BREAK	

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19.		III	01:45 PM to 03:45 PM	CAD/CAM	AGIIT
20.			03:45 PM to 04:00 PM	TEA BREAK	
21.		IV	04:00 PM to 05:00 PM	Instrumentation and Sensors	AGIIT
22.	13-07-2017	I	09:00 AM to 10:45 AM	Instrumentation and Sensors	AGIIT
23.			10:45 AM to 11:00 AM	TEA BREAK	
24.		II	11:00 AM to 01:00 PM	Pneumatic and Hydraulic Control	AGIIT
25.			01:00 PM to 01:45 PM	LUNCH BREAK	
26.		III	01:45 PM to 03:45 PM	Programming and Data Structure	AGIIT
27.			03:45 PM to 04:00 PM	TEA BREAK	
28.		IV	04:00 PM to 05:00 PM	Robot Programming	AGIIT
29.	14-07-2017	I	09:00 AM to 10:45 AM	Digital control	AGIIT
30.			10:45 AM to 11:00 AM	TEA BREAK	
31.		II	11:00 AM to 01:00 PM	Advanced Control System	AGIIT
32.			01:00 PM to 01:45 PM	LUNCH BREAK	
33.		III	01:45 PM to 03:45 PM	Rapid Prototyping	AGIIT
34.			03:45 PM to 04:00 PM	TEA BREAK	
35.		IV	04:00 PM to 05:00 PM	Evolution of Robotic Process Automation Future	AGIIT
36.	15-07-2017	I	09:00 AM to 10:45 AM	Evolution of Robotic Process Automation Future	AGIIT
37.			10:45 AM to 11:00 AM	TEA BREAK	
38.		II	11:00 AM to 01:00 PM	Differentiating Robotic Process Automation from Automation	AGIIT
39.			01:00 PM to 01:45 PM	LUNCH BREAK	
40.		III	01:45 PM to 03:45 PM	Application areas of Robotic Process Automation RPA	AGIIT
41.			03:45 PM to 04:00 PM	TEA BREAK	

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42.		IV	04:00 PM to 05:00 PM	Defining Robotic Process Automation & its benefits	AGIIT
43.	17-07-2017	I	09:00 AM to 10:45 AM	RPA development methodology and key considerations	AGIIT
44.			10:45 AM to 11:00 AM	TEA BREAK	
45.		II	11:00 AM to 01:00 PM	List of Robotic Process Automation Tools	AGIIT
46.			01:00 PM to 01:45 PM	LUNCH BREAK	
47.		III	01:45 PM to 03:45 PM	Feedback from students	
48.			03:45 PM to 04:00 PM	TEA BREAK	
49.		IV	04:00 PM to 05:00 PM	Vote of thanks	

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JCT COLLEGE OF TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

""ROBOTICS AND AUTOMATION"

Registered student List

S.No	Register Number	Name
1.	720915114001	ABHIJITH.T.M
2.	720915114002	ADARSH SURENDRAN
3.	720915114003	AKHIL .M.S
4.	720915114004	AKSHAY.J
5.	720915114007	ANEESH.N.A
6.	720915114009	ANOOP.K
7.	720915114010	ANSAR.C.A
8.	720915114011	ANTO P F
9.	720915114012	ARIKARAN.R
10.	720915114013	ARJUNRAJA.E
11.	720915114014	ARSHAD.C.N
12.	720915114015	ARUN C.S
13.	720915114017	ASHIK.K
14.	720915114017	ASHIK.K
15.	720915114020	ASHISH THOMAS
16.	720915114019	ASHISH.S
17.	720915114023	ASWINLAL.C.G
18.	720915114024	AZHARUDHEEN.V.S
19.	720915114025	BASILMON SAJU
20.	720915114027	CHRISTIN PAUL
21.	720915114029	DEEPAK.P
22.	720915114030	DON CHRISTO THOMAS
23.	720915114031	HARIKRISHNAN.P.R
24.	720915114032	JASIM.A
25.	720915114033	JIDDU BHASKAR
26.	720915114035	KARTHIK .G
27.	720915114036	LISTON.V.T
28.	720915114037	MANIKANDAN.S
29.	720915114038	MANSOOR.M
30.	720915114039	MANUKRISHNA.R
31.	720915114041	MIDHUN.M
32.	720915114042	MOHAMED SEMEL.C.K
33.	720915114045	MOHAMMED SIYAD.A
34.	720915114046	MOHAMMED UNAIS.K.P
35.	720915114046	MOHAMMED UNAIS.K.P
36.	720915114048	MUHAMMED RASHID.E
37.	720915114049	MUHAMMED SHAHINSHA V.K
38.	720915114005	ALFAZ.V.P
39.	720915114050	MUTHARASAN.S
40.	720915114050	MUTHARASAN.S
41.	720915114050	MUTHARASAN.S
42.	720915114050	MUTHARASAN.S
43.	720915114051	NIHAL.K
44.	720915114052	NANDAGOP.P.B
45.	720915114055	NIDHIL UNNI
46.	720915114006	AMGITH.C
47.	720915114008	ANILJITH JOSEPH
48.	720915114018	ASHIQE.H
49.	720915114021	ASHWIN GEORGE
50.	720915114021	ASHWIN GEORGE
51.	720915114026	BHARATH CHANDRAN NAIR.CJ
52.	720915114040	MERWINCLAUSTIOUS FDO.T
53.	720915114044	MOHAMMED IQBAL.P
54.	720915114034	JITHIN A BABU
55.	720915114503	AKASH JOHN TITUS
56.	720915114504	HALLOHESH POULOSE
57.	720915114059	RAHUL RAMACHANDRAN
58.	720915114060	RAJKIRAN.S
59.	720915114061	RIYAS M M
60.	720915114062	SACHIN SANTHOSH
61.	720915114063	SANJITH.S
62.	720915114063	SANJITH.S
63.	720915114064	SARANG.G.S
64.	720915114066	SHARON.V.A
65.	720915114067	SHUHAIBALI.T
66.	720915114070	SREEHARI P.K
67.	720915114071	SREEKUMAR.C
68.	720915114072	SUBIN .S
69.	720915114073	SUDHEESH.S
70.	720915114074	THAMEEM.C.T
71.	720915114075	UMAR.R
72.	720915114084	VISWAS.C.MOHAN
73.	720915114076	VENKITARAMAN.V
74.	720915114077	VIDHIN KUMAR.E.V
75.	720915114082	VISHNU.C
76.	720915114083	VISHNU.K.V
77.	720915114085	VIVEK.D
78.	720915114086	WASEEM HANEEFA
79.	720915114301	ARAVIND.S
80.	720915114303	BIJESH BABU NAIR
81.	720915114303	BIJESH BABU NAIR
82.	720915114304	BRIGHT ASSISI
83.	720915114306	JAYAKRISHNAN.S
84.	720915114307	JELSON PAULSON
85.	720915114308	JINTO PAUL.A
86.	720915114308	JINTO PAUL.A
87.	720915114309	MELBIN MICKLE
88.	720915114309	MELBIN MICKLE
89.	720915114310	MUFEED.K
90.	720915114311	NITHIN RAJ
91.	720915114314	SHELVIN VARGHESE
92.	720915114315	SHIHABUDHEEN .L
93.	720915114316	SREEJITH.S
94.	720915114317	SREEVISHNU P.V
95.	720915114319	VISHNU DEV.D
96.	720915114318	VISHNU JR

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97.	720915114305	ESHWAR.A
98.	720915114302	BANEER AHAMMED E.K
99.	720915114312	PRANAV.S
100.	720915114312	PRANAV.S
101.	720915114501	VINOTH KUMAR.B
102.	720915114058	PIRABAHARAN.V
103.	720915114068	SIVA PANDIAN M
104.	720915114069	SIVARAJ.K
105.	720915114078	VIGNESH.R
106.	720915114079	VIJAY.R
107.	720915114080	VIJAYAKUMAR.V

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS-ATTENDANCE SHEET

ROBOTICS AND AUTOMATION

S.No	Reg no	Name of the Student	1	2	3	4	5	6	7	8	9	10
1.	720915114001	ABHIJITH.T.M										
2.	720915114002	ADARSH SURENDRAN										
3.	720915114003	AKHIL .M.S										
4.	720915114004	AKSHAY.J										
5.	720915114007	ANEESH.N.A										
6.	720915114009	ANOOP.K										
7.	720915114010	ANSAR.C.A										
8.	720915114011	ANTO P F										
9.	720915114012	ARIKARAN.R										
10.	720915114013	ARJUNRAJA.E										
11.	720915114014	ARSHAD.C.N										
12.	720915114015	ARUN C.S										
13.	720915114017	ASHIK.K										
14.	720915114017	ASHIK.K										
15.	720915114020	ASHISH THOMAS										
16.	720915114019	ASHISH.S										
17.	720915114023	ASWINLAL.C.G										
18.	720915114024	AZHARUDHEEN.V.S										
19.	720915114025	BASILMON SAJU										
20.	720915114027	CHRISTIN PAUL										
21.	720915114029	DEEPAK.P										
22.	720915114030	DON CHRISTO THOMAS										
23.	720915114031	HARIKRISHNAN.P.R										
24.	720915114032	JASIM.A										
25.	720915114033	JIDDU BHASKAR										
26.	720915114035	KARTHIK .G										
27.	720915114036	LISTON.V.T										
28.	720915114037	MANIKANDAN.S										
29.	720915114038	MANSOOR.M										
30.	720915114039	MANUKRISHNA.R										
31.	720915114041	MIDHUN.M										
32.	720915114042	MOHAMED SEMEL.C.K										
33.	720915114045	MOHAMMED SIYAD.A										
34.	720915114046	MOHAMMED UNAIS.K.P										
35.	720915114046	MOHAMMED UNAIS.K.P										
36.	720915114048	MUHAMMED RASHID.E										

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37.	720915114049	MUHAMMED SHAHINSHA V.K											
38.	720915114005	ALFAZ.V.P											
39.	720915114050	MUTHARASAN.S											
40.	720915114050	MUTHARASAN.S											
41.	720915114050	MUTHARASAN.S											
42.	720915114050	MUTHARASAN.S											
43.		NIHAL.K											
44.	720915114052	NANDAGOP.P.B											
45.	720915114055	NIDHIL UNNI											
46.	720915114006	AMGITH.C											
47.	720915114008	ANILJITH JOSEPH											
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54.	720915114034	JITHIN A BABU											
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58.	720915114060	RAJKIRAN.S											
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61.	720915114063	SANJITH.S											
62.	720915114063	SANJITH.S											
63.	720915114064	SARANG.G.S											
64.	720915114066	SHARON.V.A											
65.	720915114067	SHUHAIBALI.T											
66.	720915114070	SREEHARI P.K											
67.	720915114071	SREEKUMAR.C											
68.	720915114072	SUBIN .S											
69.	720915114073	SUDHEESH.S											
70.	720915114074	THAMEEM.C.T											
71.	720915114075	UMAR.R											
72.	720915114084	VISWAS.C.MOHAN											
73.	720915114076	VENKITARAMAN.V											
74.	720915114077	VIDHIN KUMAR.E.V											
75.	720915114082	VISHNU.C											
76.	720915114083	VISHNU.K.V											
77.	720915114085	VIVEK.D											
78.	720915114086	WASEEM HANEEFA											
79.	720915114301	ARAVIND.S											
80.	720915114303	BIJESH BABU NAIR											
81.	720915114303	BIJESH BABU NAIR											
82.	720915114304	BRIGHT ASSISI											

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83.	720915114306	JAYAKRISHNAN S											
84.	720915114307	JELSON PAULSON											
85.	720915114308	JINTO PAUL A											
86.	720915114308	JINTO PAUL A											
87.	720915114309	MELBIN MICKLE											
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95.	720915114319	VISHNU DEV.D											
96.	720915114318	VISHNU JR											
97.	720915114305	ESHWAR.A											
98.	720915114302	BANEER AHAMMED E.K											
99.	720915114312	PRANAV.S											
100	720915114312	PRANAV.S											
101	720915114501	VINOTH KUMAR B											
102	720915114058	PIRABAHARAN V											
103	720915114068	SIVA PANDIAN M											
104	720915114069	SIVARAJ.K											
105	720915114078	VIGNESH.R											
106	720915114079	VIJAY.R											
107	720915114080	VIJAYAKUMAR.V											

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Syllabus for Robotics and Automation

- Emergence of Robotic Process Automation (RPA)
- Evolution of Robotic Process Automation Future
- Differentiating Robotic Process Automation from Automation
- Defining Robotic Process Automation & its benefits
- Types of Robots
- Application areas of Robotic Process Automation RPA
- How Robotic Process Automation works
- RPA development methodology and key considerations
- List of Robotic Process Automation Tools

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE COURSE on Robotics and Automation.

FEED BACK FROM STUDENTS

Name: P. Deepak.

Date: 17.07.2017

Kindly put (V) mark

	Poor	Average	Good	Excellent/ Useful
Overall Verdict			✓	
Training Structure				✓
Training Content				✓
Quality of Handouts				✓
Session Length			✓	
Venue				✓

What did you like about the course?

Real time application explanation

What you think could be improved?

required advanced type of automation for our students.

Outline 3 things that you will take with you / have learnt in this session.

+ way of explanation
+ learned more about robotics

Do you have any suggestions for new session?

+ This course need for future generation.

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T.ASHIQ KRISHNAN

MECHANICAL ENGINEER

UG: B.E -Mechatronics Engineering

College: Kongu engineering college, perunthurai

Skills:

- Having good working knowledge of all technologies used in the development and build of automated assembly lines
- Also Knowledge of human relations skills and the ability to work with all levels in the organization are essential
- Proficient in AutoCAD, Solidworks, or equivalent drafting program
- Support goal of achieving first time quality and efficiency
- Maintain accurate documentation resulting in shared knowledge of issues and lessons learned
- Ability to consult on application, client/robot use case
- Have strong analytical, problem solving and decision making skills
- Expert proficiency in Fanuc Robot programming & other associated equipment

Experience

- Provides new product build support through tooling development and procurement.
- Create parts in SolidWorks for use in production that can be printed using 3D printers.
- Develop and implement innovative solutions to manufacturing issues related to product development or enhancement.
- Good working knowledge of all technologies used in the development and build of automated assembly lines.
- Technically lead and/or execute engineering projects, including development of key suppliers. Generate mechanical product specifications
- Works with Safety and other teams to perform comprehensive Risk Assessments for new applications

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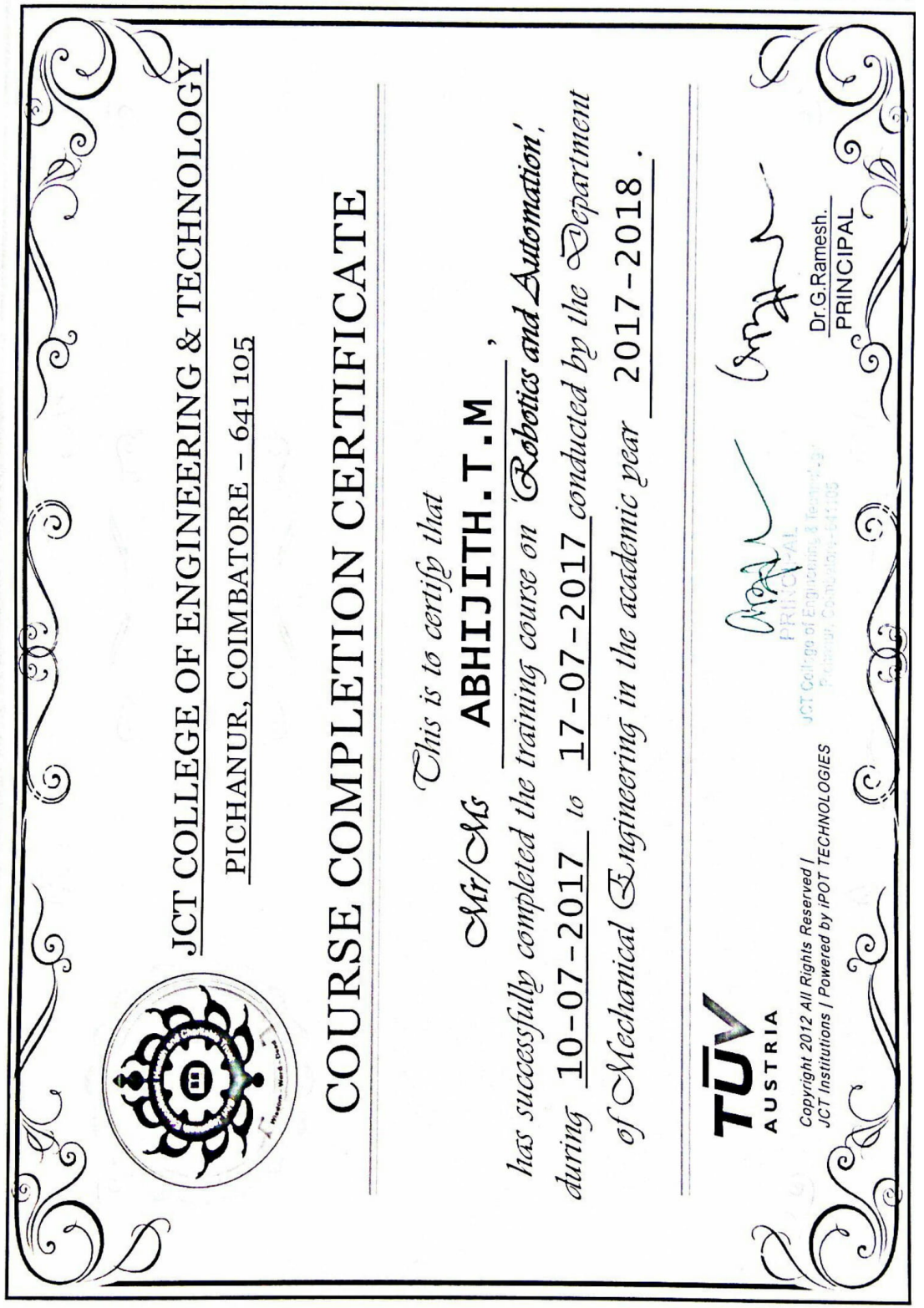

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COURSE COMPLETION CERTIFICATE

This is to certify that

Mr/Ms **ADARSH** ,

has successfully completed the training course on **'Robotics and Automation'**,

during 10-07-2017 *to* 17-07-2017 *conducted by the Department of Mechanical Engineering in the academic year* 2017-2018 .

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Dr.G.Ramesh.
PRINCIPAL

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PICHANUR, COIMBATORE – 641 105

COURSE COMPLETION CERTIFICATE

This is to certify that

Mr/Ms **AKHIL .M.S** ,

has successfully completed the training course on **'Robotics and Automation'**,

during 10-07-2017 *to* 17-07-2017 *conducted by the Department of Mechanical Engineering in the academic year* 2017-2018 .

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Dr.G.Ramesh.
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COURSE COMPLETION CERTIFICATE

This is to certify that

Mr/Ms **AKSHAY.J** ,

has successfully completed the training course on 'Robotics and Automation', during 10-07-2017 *to* 17-07-2017 *conducted by the Department of Mechanical Engineering in the academic year* 2017-2018 .

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Dr.G.Ramesh.
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COURSE COMPLETION CERTIFICATE

This is to certify that

Mr/Ms **ANEESH.N.A** ,

has successfully completed the training course on 'Robotics and Automation', during 10-07-2017 *to* 17-07-2017 *conducted by the Department of Mechanical Engineering in the academic year* 2017-2018 .

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Dr.G.Ramesh.
PRINCIPAL

JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

DATE 02/01/2018

From,

D.Ashok Kumar,
Assistant professor,
Department of mechanical engineering,
JCT College of engineering andtechnology,
Coimbatore-641105.

To,

The principal,
JCT College of engineering and technology,
Coimbatore- 641105.

Sir,

Sub: permission of conducting Certificate Course on "ADVANCED TECHNOLOGY IN HYDRAULICS" reg.

We have planned to conduct a Certificate Course on ADVANCED TECHNOLOGY IN HYDRAULICS in academic year 2017-2018 for III year of Mechanical Department. We request you to grant us permission to conduct the course.

Thank you

Coordinator

Hod/Mech

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JCT College of Engineering and Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

Date:06-01-2018

CIRCULAR

As we are going to conduct a CERTIFICATE COURSE on "ADVANCED TECHNOLOGY IN HYDRAULICS" from 17-01-2018 to 25-01-2018. Interested students are requested to enrol their names to program coordinator within two days.

HoD/Mechanical

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JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

CERTIFICATE COURSE ON ADVANCED TECHNOLOGY IN HYDRAULICS

17-01-2018 to 25-01-2018

DATE	SESSION	TIMING	TOPIC	FACILITATOR FROM
17-01-2018		09:00 AM to 10:00 AM	Introduction	SSTECHNOVATION
		10:00 AM to 10:50 AM	Hydraulic safety	SSTECHNOVATION
	TEA	10:50 AM to 11:00 AM		
		11:00 AM to 12:00 PM	Hydraulic safety	SSTECHNOVATION
		12:00 PM to 01:00 PM	Hydraulic safety	SSTECHNOVATION
	LUNCH	01:00 PM to 01:45 PM		
		01:45 PM to 02:45 PM	Hydraulic fundamentals	SSTECHNOVATION
		02:45 PM to 03:00 PM	Hydraulic fundamentals	SSTECHNOVATION
	TEA	03:00 PM to 03:45 PM		
		03:45 PM to 04:45 PM	Hydraulic fluids	SSTECHNOVATION
		04:45 PM to 05:45 PM	Hydraulic fluids	SSTECHNOVATION
18-01-2018		09:00 AM to 10:00 AM	Hydraulic fluids	SSTECHNOVATION
		10:00 AM to 10:50 AM	Hydraulic fluids	SSTECHNOVATION
	TEA	10:50 AM to 11:00 AM		
		11:00 AM to 12:00 PM	Filters	SSTECHNOVATION
		12:00 PM to 01:00 PM	Power packs	SSTECHNOVATION
	LUNCH	01:00 PM to 01:45 PM		

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		01:45 PM to 02:45 PM	(Reservoir, Pumps, and PRVs),	SSTECHNOVATION
		02:45 PM to 03:00 PM	(Reservoir, Pumps, and PRVs),	SSTECHNOVATION
	TEA	03:00 PM to 03:45 PM		
		03:45 PM to 04:45 PM	Actuators (Cylinders and Motors),	SSTECHNOVATION
		04:45 PM to 05:45 PM	Actuators (Cylinders and Motors),	SSTECHNOVATION
19-01-2018		09:00 AM to 10:00 AM	Actuators (Cylinders and Motors),	SSTECHNOVATION
		10:00 AM to 10:50 AM	Actuators (Cylinders and Motors),	SSTECHNOVATION
	TEA	10:50 AM to 11:00 AM		
		11:00 AM to 12:00 PM	Directional control valves	SSTECHNOVATION
		12:00 PM to 01:00 PM	Directional control valves	SSTECHNOVATION
	LUNCH	01:00 PM to 01:45 PM		
		01:45 PM to 02:45 PM	Directional control valves	SSTECHNOVATION
		02:45 PM to 03:00 PM	Directional control valves	SSTECHNOVATION
	TEA	03:00 PM to 03:45 PM		
		03:45 PM to 04:45 PM	Symbols	SSTECHNOVATION
		04:45 PM to 05:45 PM	Symbols	SSTECHNOVATION
20-01-2018		09:00 AM to 10:00 AM	Check valves	SSTECHNOVATION
		10:00 AM to 10:50 AM	Check valves,	SSTECHNOVATION
	TEA	10:50 AM to 11:00 AM		
		11:00 AM to 12:00 PM	Flow control valves	SSTECHNOVATION
		12:00 PM to 01:00 PM	Flow control valves	SSTECHNOVATION
	LUNCH	01:00 PM to 01:45 PM		
		01:45 PM to 02:45 PM	Pressure control valves	SSTECHNOVATION
		02:45 PM to 03:00 PM	Pressure control valves	SSTECHNOVATION
	TEA	03:00 PM to 03:45 PM		
		03:45 PM to 04:45 PM	Pressure control valves	SSTECHNOVATION
		04:45 PM to 05:45 PM	Pressure control valves	SSTECHNOVATION

22-01-2018		09:00 AM to 10:00 AM	Seals	SSTECHNOVATION
		10:00 AM to 10:50 AM	Seals	SSTECHNOVATION
	TEA	10:50 AM to 11:00 AM		
		11:00 AM to 12:00 PM	Accumulators	SSTECHNOVATION
		12:00 PM to 01:00 PM	Accumulators	SSTECHNOVATION
	LUNCH	01:00 PM to 01:45 PM		
		01:45 PM to 02:45 PM	Accumulators	SSTECHNOVATION
		02:45 PM to 03:00 PM	Accumulators	SSTECHNOVATION
	TEA	03:00 PM to 03:45 PM		
		03:45 PM to 04:45 PM	Fluid conductors	SSTECHNOVATION
		04:45 PM to 05:45 PM	Fluid conductors	SSTECHNOVATION
23-01-2018		09:00 AM to 10:00 AM	Fluid conductors	SSTECHNOVATION
		10:00 AM to 10:50 AM	Fluid conductors	SSTECHNOVATION
	TEA	10:50 AM to 11:00 AM		
		11:00 AM to 12:00 PM	Maintenance	SSTECHNOVATION
		12:00 PM to 01:00 PM	Maintenance	SSTECHNOVATION
	LUNCH	01:00 PM to 01:45 PM		
		01:45 PM to 02:45 PM	troubleshooting aspects	SSTECHNOVATION
		02:45 PM to 03:00 PM	troubleshooting aspects	SSTECHNOVATION
	TEA	03:00 PM to 03:45 PM		
		03:45 PM to 04:45 PM	troubleshooting aspects	SSTECHNOVATION
		04:45 PM to 05:45 PM	troubleshooting aspects	SSTECHNOVATION
24-01-2018		09:00 AM to 10:00 AM	single acting and double	SSTECHNOVATION
		10:00 AM to 10:50 AM	- Air motors,- piston motor-unit	SSTECHNOVATION
	TEA	10:50 AM to 11:00 AM		
		11:00 AM to 12:00 PM	Air motors,- piston motor-unit	SSTECHNOVATION
		12:00 PM to 01:00 PM	Pneumatic Symbols	SSTECHNOVATION
	LUNCH	01:00 PM to 01:45 PM		
		01:45 PM to 02:45 PM	Pneumatic Symbols	SSTECHNOVATION
		02:45 PM to 03:00 PM	Pneumatic Symbols	SSTECHNOVATION

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	TEA	03:00 PM to 03:45 PM		
		03:45 PM to 04:45 PM	ports and positions	SSTECHNOVATION
		04:45 PM to 05:45 PM	ports and positions	SSTECHNOVATION
25-01-2018		09:00 AM to 10:00 AM	Components of pneumatic system	SSTECHNOVATION
		10:00 AM to 10:50 AM	Components of pneumatic system	SSTECHNOVATION
	TEA	10:50 AM to 11:00 AM		
		11:00 AM to 12:00 PM	Compressor	SSTECHNOVATION
		12:00 PM to 01:00 PM	Compressor	SSTECHNOVATION
	LUNCH	01:00 PM to 01:45 PM		
		01:45 PM to 02:45 PM	working and symbols	SSTECHNOVATION
		02:45 PM to 03:00 PM	working and symbols	SSTECHNOVATION
	TEA	03:00 PM to 03:45 PM		
		03:45 PM to 04:45 PM	Feedback from students	
		04:45 PM to 05:45 PM	Vote of thanks	

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JCT COLLEGE OF TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

"Advanced Technology in Hydraulics""

Registered student List

S.No	Register Number	Name of the Students
1.	720915114001	ABHIJITH.T.M
2.	720915114002	ADARSH SURENDRAN
3.	720915114003	AKHIL .M.S
4.	720915114004	AKSHAY.J
5.	720915114007	ANEESH.N.A
6.	720915114009	ANOOP.K
7.	720915114010	ANSAR.C.A
8.	720915114011	ANTO P F
9.	720915114012	ARIKARAN.R
10.	720915114013	ARJUNRAJA.E
11.	720915114014	ARSHAD.C.N
12.	720915114015	ARUN C.S
13.	720915114017	ASHIK.K
14.	720915114017	ASHIK.K
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36.	720915114048	MUHAMMED RASHID.E
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56.	720915114504	HALLOHESH POULOSE
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60.	720915114062	SACHIN SANTHOSH
61.	720915114063	SANJITH.S
62.	720915114063	SANJITH.S
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70.	720915114074	THAMEEM.C.T
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72.	720915114084	VISWAS.C.MOHAN
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74.	720915114077	VIDHIN KUMAR.E.V
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86.	720915114308	JINTO PAUL.A
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88.	720915114309	MELBIN MICKLE
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94.	720915114317	SREEVISHNU P.V
95.	720915114319	VISHNU DEV.D
96.	720915114318	VISHNU JR
97.	720915114305	ESHWAR.A
98.	720915114302	BANEER AHAMMED E.K
99.	720915114312	PRANAV.S

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100.	720915114312	PRANAV.S
101.	720915114501	VINOTH KUMAR.B
102.	720915114058	PIRABAHARAN.V
103.	720915114068	SIVA PANDIAN M
104.	720915114069	SIVARAJ.K
105.	720915114078	VIGNESH.R
106.	720915114079	VIJAY.R
107.	720915114080	VIJAYAKUMAR.V

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS-ATTENDANCE SHEET

ADVANCE TECHNOLOGY IN HYDRAULICS

S.No	Reg no	Name of the Student	1	2	3	4	5	6	7	8	9	10
1.	720915114001	ABHIJITH.T.M	/	a	/	/	/	/	/	a	/	/
2.	720915114002	ADARSH SURENDRAN	/	/	a	/	/	a	/	/	/	/
3.	720915114003	AKHIL .M.S	/	/	/	/	/	/	/	/	/	/
4.	720915114004	AKSHAY.J	a	/	/	/	/	/	a	/	/	/
5.	720915114007	ANEESH.N.A	/	a	/	/	a	/	/	/	/	/
6.	720915114009	ANOOP.K	/	a	/	/	/	/	/	a	/	/
7.	720915114010	ANSAR.C.A	/	/	a	/	/	/	/	/	/	a
8.	720915114011	ANTO P F	/	/	/	/	/	a	/	/	a	/
9.	720915114012	ARIKARAN.R	/	/	/	a	/	/	/	a	/	/
10.	720915114013	ARJUNRAJA.E	/	a	/	/	/	/	a	/	/	/
11.	720915114014	ARSHAD.C.N	/	/	/	/	a	/	/	/	/	a
12.	720915114015	ARUN C.S	a	/	/	/	/	a	/	/	/	/
13.	720915114017	ASHIK.K	/	/	a	/	/	/	/	/	/	a
14.	720915114017	ASHIK.K	a	/	/	a	/	/	/	/	/	/
15.	720915114020	ASHISH THOMAS	/	/	/	/	/	a	/	/	/	a
16.	720915114019	ASHISH.S	/	a	/	/	/	/	/	a	/	/
17.	720915114023	ASWINLAL.C.G	/	/	a	/	/	/	/	/	a	/
18.	720915114024	AZHARUDHEEN.V.S	/	/	/	/	a	a	/	/	/	/
19.	720915114025	BASILMON SAJU	a	/	/	/	/	/	/	a	/	/
20.	720915114027	CHRISTIN PAUL	/	/	/	a	/	/	/	/	/	a
21.	720915114029	DEEPAK.P	/	a	/	/	/	/	a	/	/	/
22.	720915114030	DON CHRISTO THOMAS	/	/	a	/	/	/	/	a	/	/
23.	720915114031	HARIKRISHNAN.P.R	a	/	/	/	/	a	/	/	/	/
24.	720915114032	JASIM.A	/	/	a	/	/	/	/	/	/	a
25.	720915114033	JIDDU BHASKAR	/	/	/	/	a	/	/	a	/	/
26.	720915114035	KARTHIK .G	a	/	/	a	/	/	/	/	/	/
27.	720915114036	LISTON.V.T	/	/	/	/	/	/	a	/	a	/
28.	720915114037	MANIKANDAN.S	/	a	/	/	a	/	/	/	/	/
29.	720915114038	MANSOOR.M	/	/	a	/	/	/	a	/	/	/
30.	720915114039	MANUKRISHNA.R	/	/	/	/	a	/	/	/	/	a
31.	720915114041	MIDHUN.M	/	a	/	/	/	/	a	/	/	/
32.	720915114042	MOHAMED SEMEL.C.K	/	/	/	/	a	/	/	/	a	/
33.	720915114045	MOHAMMED SIYAD.A	a	/	/	/	/	a	/	/	/	/
34.	720915114046	MOHAMMED UNAIS.K.P	/	/	a	/	/	/	/	a	/	/
35.	720915114046	MOHAMMED UNAIS.K.P	/	a	/	/	/	/	a	/	/	/

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36.	720915114048	MUHAMMED RASHID.E	1	a	1	1	1	1	1	1	1	1	1
37.	720915114049	MUHAMMED SHAHINSHA V.K	1	1	1	a	1	a	1	1	1	1	1
38.	720915114005	ALFAZ.V.P	a	1	1	1	1	1	1	1	1	1	1
39.	720915114050	MUTHARASAN.S	1	1	1	1	1	1	1	1	a	1	1
40.	720915114050	MUTHARASAN.S	1	1	1	1	1	1	a	1	1	1	1
41.	720915114050	MUTHARASAN.S	1	1	1	1	1	1	1	1	1	1	1
42.	720915114050	MUTHARASAN.S	1	a	1	1	1	1	a	1	1	1	1
43.		NIHAL.K	1	1	1	a	1	1	1	1	1	1	a
44.	720915114052	NANDAGOP.P.B	1	1	1	1	1	1	1	1	1	1	1
45.	720915114055	NIDHIL UNNI	1	a	1	1	1	1	1	1	1	1	1
46.	720915114006	AMGITH.C	1	1	1	a	1	1	1	a	1	1	1
47.	720915114008	ANILJITH JOSEPH	1	1	1	1	1	1	1	1	1	1	a
48.	720915114018	ASHIQE.H	1	a	1	1	1	1	1	1	1	1	1
49.	720915114021	ASHWIN GEORGE	1	1	1	1	1	1	1	1	1	1	1
50.	720915114021	ASHWIN GEORGE	1	1	a	1	1	1	1	1	1	1	1
51.	720915114026	BHARATH CHANDRAN NAIR.CJ	a	1	1	1	1	1	1	a	1	1	
52.	720915114040	MERWINCLAUSTIOUS FDO.T	1	1	1	1	a	1	1	1	1	1	
53.	720915114044	MOHAMMED IQBAL.P	1	1	1	1	1	1	1	1	a	1	
54.	720915114034	JITHIN A BABU	1	a	1	1	1	1	1	1	a	1	
55.	720915114503	AKASH JOHN TITUS	1	1	1	1	1	1	1	1	1	1	
56.	720915114504	HALLOHESH POULOSE	1	1	a	1	1	1	1	1	1	a	
57.	720915114059	RAHUL RAMACHANDRAN	1	1	1	1	1	1	1	1	1	1	
58.	720915114060	RAJKIRAN.S	1	1	1	a	1	1	1	1	1	1	
59.	720915114061	RIYAS M M	1	1	1	1	1	a	1	1	a	1	
60.	720915114062	SACHIN SANTHOSH	1	1	1	1	1	1	1	1	1	1	
61.	720915114063	SANJITH.S	1	a	1	1	1	1	1	1	1	1	
62.	720915114063	SANJITH.S	1	1	1	1	1	1	1	a	1	1	
63.	720915114064	SARANG.G.S	1	1	a	1	1	1	1	1	1	1	
64.	720915114066	SHARON.V.A	1	1	1	1	1	a	1	1	1	1	
65.	720915114067	SHUHAIBALI.T	1	1	1	1	1	1	1	1	1	1	
66.	720915114070	SREEHARI P.K	1	a	1	1	1	1	1	1	a	1	
67.	720915114071	SREEKUMAR.C	1	1	1	1	1	1	a	1	1	1	
68.	720915114072	SUBIN .S	1	1	a	1	1	1	1	1	1	1	
69.	720915114073	SUDHEESH.S	1	1	1	1	1	1	1	1	1	1	
70.	720915114074	THAMEEM.C.T	1	1	1	1	1	a	1	1	1	1	
71.	720915114075	UMAR.R	1	a	1	1	1	1	1	1	1	1	
72.	720915114084	VISWAS.C.MOHAN	1	1	1	1	1	1	1	1	1	1	
73.	720915114076	VENKITARAMAN.V	1	1	1	1	1	a	1	1	1	1	
74.	720915114077	VIDHIN KUMAR.E.V	1	a	1	1	1	1	1	1	1	a	
75.	720915114082	VISHNU.C	1	1	1	1	1	1	1	a	1	1	
76.	720915114083	VISHNU.K.V	1	1	1	1	1	1	1	1	1	1	
77.	720915114085	VIVEK.D	1	1	1	a	1	1	1	1	1	1	
78.	720915114086	WASEEM HANEEFA	1	a	1	1	1	1	1	a	1	1	
79.	720915114301	ARAVIND.S	1	1	1	a	1	1	1	1	1	a	
80.	720915114303	BIJESH BABU NAIR	1	1	1	1	1	a	1	1	1	1	

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81.	720915114303	BIJESH BABU NAIR	1	1	a	1	1	1	1	1	1	1	
82.	720915114304	BRIGHT ASSISI	1	1	1	1	1	1	1	1	1	1	
83.	720915114306	JAYAKRISHNAN.S	1	1	1	1	1	1	1	1	a	1	
84.	720915114307	JELSON PAULSON	1	1	1	a	1	1	1	1	1	1	
85.	720915114308	JINTO PAUL.A	1	1	1	1	1	1	a	1	1	1	
86.	720915114308	JINTO PAUL.A	1	a	1	1	1	1	1	a	1	1	
87.	720915114309	MELBIN MICKLE	1	1	1	1	1	1	1	1	1	1	
88.	720915114309	MELBIN MICKLE	1	1	1	1	1	1	a	1	1	1	
89.	720915114310	MUFEED.K	1	1	a	1	1	1	1	1	1	1	
90.	720915114311	NITHIN RAJ	1	1	1	1	1	1	1	a	1	1	
91.	720915114314	SHELVIN VARGHESE	1	a	1	1	1	1	1	1	1	1	
92.	720915114315	SHIHABUDHEEN .L	1	1	1	1	1	1	1	a	1	1	
93.	720915114316	SREEJITH.S	1	1	a	1	1	1	1	1	1	1	
94.	720915114317	SREEVISHNU P.V	1	1	1	1	1	1	1	1	1	a	
95.	720915114319	VISHNU DEV.D	a	1	1	1	1	1	a	1	1	1	
96.	720915114318	VISHNU JR	1	1	1	1	a	1	1	1	1	1	
97.	720915114305	ESHWAR.A	1	1	1	1	1	1	1	a	1	1	
98.	720915114302	BANEER AHAMMED E.K	1	a	1	1	1	1	1	1	1	1	
99.	720915114312	PRANAV.S	1	1	1	1	1	1	1	1	1	a	
100	720915114312	PRANAV.S	1	1	a	1	1	1	1	1	1	1	
101	720915114501	VINOTH KUMAR.B	1	1	1	1	1	1	1	1	1	1	
102	720915114058	PIRABAHARAN.V	1	1	1	1	1	1	1	1	1	1	
103	720915114068	SIVA PANDIAN M	1	a	1	1	1	1	a	1	1	1	
104	720915114069	SIVARAJ.K	1	1	1	1	1	1	1	1	1	1	
105	720915114078	VIGNESH.R	1	1	1	1	1	1	1	a	1	1	
106	720915114079	VIJAY.R	1	a	1	1	1	1	1	1	1	1	
107	720915114080	VIJAYAKUMAR.V	1	1	1	1	1	1	1	1	1	a	

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Advanced technology in Hydraulics

- Hydraulic safety,
- Hydraulic fundamentals,
- Hydraulic fluids,
- Filters, Power packs (Reservoir, Pumps, and PRVs),
- Actuators (Cylinders and Motors),
- Directional control valves,
- Symbols,
- Check valves,
- Flow control valves,
- Pressure control valves,
- Seals,
- Accumulators,
- Fluid conductors,
- Maintenance & troubleshooting aspects

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE COURSE on Advanced Technology in Hydraulics

FEED BACK FROM STUDENTS

Name: KARTHICK. CR.

Date: 25.1.2018

Kindly put (√) mark

	Poor	Average	Good	Excellent/ Useful
Overall Verdict			✓	
Training Structure				✓
Training Content			✓	
Quality of Handouts			✓	
Session Length			✓	
Venue				✓

What did you like about the course?

This course is very useful to Job oriented Knowledge.

What you think could be improved?

I improved. Technical Knowledge.

Outline 3 things that you will take with you / have learnt in this session.

1- Hydraulic safety
2. Accumulators
3. Fluid conductors.

Do you have any suggestions for new session? — No Suggestion.

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Name: T.Gnanavel raja

UG Degree: Bachelor of Engineering

College: Gnanamani College of Engineering, Namakkal

Sr. Engineer Hydraulic Design, Chennai

Job Description-

1. Prepare 3D models, Assemblydrawings, Fabrication drawings
2. Hydraulic system design for existing machines.
3. Exp. in FEA modelling and structural analysis of Mechanical

RoleSenior Design Engineer

- Industry Type
- IndustrialFunctional Area Engineering,
- R&D
- Engineering DesignEducation
- Complete 3-D hose routing geometry, drawings and component modelling
- Complete hydraulic system design work and support testing activities for both new certificate training programs and on-going continuous improvement projects
- Complete 3-D hose routing geometry and drawings
- Work with suppliers, supporting the development of new hydraulic components
- Support design work and testing activities on current production Hydraulic Systems
- Manage/mentor TCI resources and any assigned contract resources to complete 3-D modeling assignments
- Design hydraulic components, systems, and system integration using tools such as: Excel, Mat Lab, Simulink, PTC Creo, and Automation Studio.

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JCT COLLEGE OF ENGINEERING & TECHNOLOGY

Pichanur, Coimbatore - 641 105.

CERTIFICATE OF COMPLETION

This is to certify that

ABHIJITH.T.M

has successfully completed the training course in **'Advanced Technology in Hydraulics'** during 17-01-2018 to 25-01-2018 conducted by The Department of Mechanical Engineering during the academic year 2017-2018.

STECHNOVATION
INDIA'S ADVANCE TECH CAMPUS
WORLD'S LARGEST FANUC TECH CAMPUS

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JCT College of Engineering & Technology
Pichanur, Coimbatore 641105

Dr. G. Ramesh
Principal, JCT Institute.

JCT COLLEGE OF ENGINEERING & TECHNOLOGY

Pichanur, Coimbatore - 641 105.

CERTIFICATE OF COMPLETION

This is to certify that

ADARSH SURENDRAN

has successfully completed the training course in **'Advanced Technology in Hydraulics'** during 17-01-2018 to 25-01-2018 conducted by The Department of Mechanical Engineering during the academic year 2017-2018.

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Dr. G. Ramesh
Principal, JCT Institute.

JCT COLLEGE OF ENGINEERING & TECHNOLOGY

Pichanur, Coimbatore - 641 105.

CERTIFICATE OF COMPLETION

This is to certify that

AKHIL .M.S

has successfully completed the training course in **'Advanced Technology in Hydraulics'** during 17-01-2018 to 25-01-2018 conducted by The Department of Mechanical Engineering during the academic year 2017-2018.

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Principal, JCT Institute.

JCT COLLEGE OF ENGINEERING & TECHNOLOGY

Pichanur, Coimbatore - 641 105.

CERTIFICATE OF COMPLETION

This is to certify that

ANEESH.N.A

has successfully completed the training course in **'Advanced Technology in Hydraulics'** during 17-01-2018 to 25-01-2018 conducted by The Department of Mechanical Engineering during the academic year 2017-2018.

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Dr. G. Ramesh
Principal, JCT Institute.

JCT **JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**
Pichanur, Coimbatore - 641 105

11/12/2017

From

Head of the Department,
Department of Petrochemical Engineering,
JCT College of Engineering and Technology,
Coimbatore - 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore - 641105.

Respected Sir,

Sub : Requesting permission for conducting course "PCEM001- Introduction to Energy Management and Auditing" - Reg.

The Department of Petrochemical Engineering is planned to conduct the course "PCEM001- Introduction to Energy Management and Auditing" for our Final year Petrochemical engineering students. The details about the program and the course coordinator are given below for your perusal and approval. Hence I request you to kindly provide the permission for conducting the above course successfully.

Name of the Event	Course Coordinator with Designation	Organized by	Date
PCEM001- Introduction to Energy Management and Auditing	K.Balasubramani/AP, M.Ramkumar/AP	Petrochemical Engineering	27/01/2018, 03/02/2018, 10/02/2018, 17/02/2018, 24/02/2018

Thanking you,

Yours truly,

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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03/01/2018

CIRCULAR

DEPARTMENT OF PETROCHEMICAL ENGINEERING

It is proposed to conduct a course (**PCEM001-** Introduction to Energy Management and Auditing) **on 27/01/2018, 03/02/2018, 10/02/2018, 17/02/2018 & 24/02/2018 for Final year Petrochemical Students.** This is used to provide a great ideas and their scenario of the concept of energy. So, interested students are advised to register the name to the course coordinator.

HOD/PCE

PRINCIPAL 31/1/18

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JCT JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore – 641 105
TÜV AUSTRIA

DEPARTMENT OF PETROCHEMICAL ENGINEERING

COURSE	COURSE NAME	TOTAL HOURS
PCEM001	Introduction to Energy Management and Auditing	40

Course Objectives:

1) To enable the students to understand the concept of energy and its importance
2) To educate the students to understand the principles of energy management
3) To Know well about the Global Energy scenario
4) To know about energy audit and its methodology

Course Outcome:

- Students will be able to understand the different methods used to minimize the energy cost and their scenario

UNIT	Detailed Syllabus	Hours
Unit I	**Introduction to Energy:** Importance of Energy - Conventional and non- Conventional Energy- Bio Mass Energy- Energy Conservation- Energy Conservation in Chemical Industries	10
UNIT II	**Principles of Energy Management** Definition and Objectives of Energy management - Energy Management Planning- Fuel & Energy Substitute-Maximizing system effiencies-Optimizing the input energy requirements.	10
UNIT III	**Global Energy Scenario** Discovery of various energy sources-Energy sources and over all energy demand and availability-Energy consumption in various sectors and its changing pattern-Exponential increase in energy consumption and projected future demand.	10
UNIT IV	**Energy Audit Procedure** Energy Audit –need -types of energy audit- Understanding the Energy Cost- Energy Audit Tools- Energy Audit Report- Bench marking - Energy performance-matching energy use to requirement.	10

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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TÜV AUSTRIA

DEPARTMENT OF PETROCHEMICAL ENGINEERING

COURSE	COURSE NAME	TOTAL HOURS
PCEM001	Introduction to Energy Management and Auditing	40

S.No	Topics to be covered	Hours	Resource person
	Day 1		
1	Importance of Energy	2	Internal
2	Conventional and non- Conventional Energy	2	Internal
3	Bio Mass Energy	2	Internal
4	Energy Conservation	2	Internal
	Day 2		
1	Energy Conservation in Chemical Industries	2	Internal
2	Definition and Objectives of Energy management	2	Internal
3	Energy Management Planning	2	Internal
4	Fuel & Energy Substitute	2	Internal
	Day 3		
1	Maximizing system effiencies.	2	Internal
2	Optimizing the input energy requirements	2	Internal
3	Discovery of various energy sources	2	Internal
4	Energy sources and over all energy demand and availability	2	Internal
	Day 4		
1	Energy consumption in various sectors and its changing pattern	3	Internal
2	Exponential increase in energy consumption and projected future demand.	3	Internal
3	Energy Audit –need types of energy audit	2	Internal
	Day 5		
1	Understanding the Energy cost	2	Internal
2	Energy Audit Tools	2	Internal
3	Energy Audit Report	1	Internal
4	Bench marking	1	Internal
5	Energy performance	1	Internal
6	Matching energy use to requirement	1	Internal

DEPARTMENT OF PETROCHEMICAL ENGINEERING

JCT College of Engineering and Technology
Coimbatore-105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

Course: PCEM001-Introduction to Energy Management and Auditing

Day	1	2	10.45-11.00	3	4	12.30-01.00	5	6	7	8
	9.10-10.45		BREAK	11.00-12.30		LUNCH BREAK	1.00 - 4.30			
27/01/2018	Introduction Through HOD, Course Co-Coordinator			K.Balasubramani AP, M.Ramkumar AP			K.Balasubramani AP, M.Ramkumar AP			
03/02/2018	K.Balasubramani AP, M.Ramkumar AP			K.Balasubramani AP, M.Ramkumar AP			K.Balasubramani AP, M.Ramkumar AP			
10/02/2018	K.Balasubramani AP, M.Ramkumar AP,			K.Balasubramani AP, M.Ramkumar AP			K.Balasubramani AP, M.Ramkumar AP			
17/02/2018	K.Balasubramani AP, M.Ramkumar AP			K.Balasubramani AP, M.Ramkumar AP			K.Balasubramani AP, M.Ramkumar AP			
24/02/2018	K.Balasubramani AP, M.Ramkumar AP			K.Balasubramani AP, M.Ramkumar AP			Interaction class, Assessment test, Feedback K.Balasubramani AP, M.Ramkumar AP			

HoD

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

Registration of certificate course (PCEM001- Introduction to Energy Management and Auditing)

SI:NO	NAME	SIGNATURE OF THE STUDENTS
1.	Anusree durga das	
2.	MANASAY D	
3	Marwan Ayoob	
4	MOHAMED HALITH M	
5.	Mohamed Shafic . M	
6.	MOHAMMED RIYAS	
7.	Mohammed Sherif. A.M	
8.	RISHI GAUTHAM . K.M	
9.	Rishikesh Chandaran	
10.	Rohan John Karimpil	
11.	ROHITH KRISHNAN	
12.	Sajan P	
13.	Sajith P S	
14.	SAMPATH P	
15.	Sanesh Thomas	
16.	Sarath S	
17.	SARATH MOHAN	
18.	Sathyan S	
19.	SHAHID O P	
20.	Sheik ABbullah S	
21.	Sukumar M	

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22.	Sulfikker P.P	
23.	Syed Sulaiman. S	
24.	Thamizharasan S	
25.	Vignesh R	
26.	Visagan. S	
27.	Vishnu C	
28.	VISHNU M.U	
29.	Vishnutith. P.S	
30.	Logeshwaran. E	
31.	Mahesh Kumar M	
32.	Mathiyazhakan. C	
33.	Midhun. k	
34.	Mohammed Ziyad V M	
35.	Mohanlal S	
36.	Murshid. P. K	
37.	Nandhu. k c	
38	Nasif Hasan. T	
39.	Nethaji Lal P	
40	Nidhin Pradeep Nath	
41.	Nihad. N	
42.	Pravin. K	
43.	PRINCE. V.P	
44.	Rahul Raj. V	
45.	Ramanan. C.J	
46.	Raman Menon. R	

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47	ramesh Kumar	
48	RATHIAN. C	
49	rijas. K.M	
50	Sooraj. R.	
51	SOURAV. M.S.	
52	Sreehari. P	
53	Sriharí Prasadh c	
54	Sujish K	
55	Basil Baby	
56	BINNY RAJAN.	
57	Vignesh. R	
58	Sikkandar Jawath. K	
59	Yadhu Krishnan. A.P	
60	Jiron Johny	
61	Jothiram. S	
62	Sivanjeevi	
63	KIRAN. S	
64	LAKSHMANAN. K	
65	Logeshwaran. S	
66	AADILSHA. S	
67	Ankash Venugopal.	
68	Abdul hakeem R	
69	ABHIJITH	
70	ABHIN Jose	
71	Ajithlal K C	

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72.	Ajith Thomas	
73.	AKASH PAVITHRAN	
74.	Akhil J	
75.	Akhil K S	
76.	Akshay M	
77.	Alex chacko	
78.	ALLEN JAMES	
79.	ALLEN James	
80.	ALVIN KURIAN	
81.	Amal K P	
82.	Amal Mukthar	
83.	Amal Ranjan Das	
84.	Amrith Swaroop Dinesh. K	
85.	Anbarasan. V	
86.	Danish. S. menon	danish.smenon
87.	Prayag. S. Prasad	Prayag.S
88.	NINTO ANTONY	
89.	Mohammed shalam	
90.	Mohammed Roshan. A	

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SI:NO	NAME	27-01-18	31-01-18	10-02-18	17-02-18	24-02-18
1	ANUSREE DURGA DAS	/	/	/	/	/
2	MANASAY D	/	/	/	/	/
3	MARWAN AYOOB	/	/	/	/	/
4	MOHAMED HALITH M	/	/	/	/	/
5	MOHAMED SHAFIC M	/	/	/	/	/
6	MOHAMMED RIYAS	/	/	/	/	/
7	MOHAMMED SHERIF A M	/	/	/	/	/
8	RISHI GAUTHAM K M	/	/	/	/	/
9	RISHIKESH CHANDRAN	/	/	/	/	/
10	ROHAN JOHN KARIMPIL	/	/	/	/	/
11	ROHITH KRISHNAN	/	/	/	/	/
12	SAJAN P	/	/	/	/	/
13	SAJITH P S	/	/	/	/	/
14	SAMPATH P	/	/	/	/	/
15	SANEESH THOMAS	/	/	/	/	/
16	SARATH S	/	/	/	/	/
17	SARATH MOHAN	/	/	/	/	/
18	SATHYAN S	/	/	/	/	/
19	SHAHID O P	/	/	/	/	/
20	SHEIK ABDULLAH S	/	/	/	/	/
21	SUKUMAR M	/	/	/	/	/
22	SULFIKKER P P	/	/	/	/	/
23	SYED SULAIMAN S	/	/	/	/	/
24	THAMIZHARASAN S	/	/	/	/	/

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25	VIGNESH R	/	/	/	/	/
26	VISAGAN S	/	/	/	/	/
27	VISHNU C	/	/	/	/	/
28	VISHNU M U	/	/	/	/	/
29	VISHNUJITH P S	/	/	/	/	/
30	LOGESHWARAN E	/	/	/	/	/
31	MAHESH KUMAR M	/	/	/	/	/
32	MATHIYAZHAKAN C	/	/	/	/	/
33	MIDHUN K	/	/	/	/	/
34	MOHAMMED ZIYAD V M	/	/	/	/	/
35	MOHANLAL S	/	/	/	/	/
36	MURSHID P K	/	/	/	/	/
37	NANDHU K S	/	/	/	/	/
38	NASIF HASAN T	/	/	/	/	/
39	NETHAJI LAL P	/	/	/	/	/
40	NIDHIN PRADEEP NATH	/	/	/	/	/
41	NIHAD N	/	/	/	/	/
42	PRAVIN K	/	/	/	/	/
43	PRINCE V P	/	/	/	/	/
44	RAHUL RAJ V	/	/	/	/	/
45	RAMANAN C J	/	/	/	/	/
46	RAMAN MENON R	/	/	/	/	/
47	RAMESHKUMAR S	/	/	/	/	/
48	RATHAN C	/	/	/	/	/
49	RIJAS K M	/	/	/	/	/
50	SOORAJ R	/	/	/	/	/
51	SOURAV M S	/	/	/	/	/
52	SREEHARI P	/	/	/	/	/
53	SRIHARI PRASADH C	/	/	/	/	/

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54	SUJESH K					
55	BASIL BABY					
56	BINNY RAJAN					
57	VIGNESH R					
58	SIKKANDAR JAVITH K					
59	YADHU KRISHNAN A P					
60	JIXON JOHNY					
61	SIRANJEEVI					
62	JOTHIRAM S					
63	KIRAN S					
64	LAKSHMANAN K					
65	LINGESHWAR S					
66	AADILSHA S					
67	AAKASH VENUGOPAL					
68	ABDUL HAKEEM R					
69	ABHIJITH K S					
70	ABHIN JOSE					
71	AJITHLAL K L					
72	AJITH THOMAS					
73	AKASH PAVITHRAN					
74	AKHIL J					
75	AKHIL K S					
76	AKSHAY M					
77	ALEX ANTOO					
78	ALLEN CHACKO					
79	ALLEN JAMES					
80	ALVIN KURIAN					
81	AMAL K P					
82	AMAL MUKTHAR					

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83	AMAL RANJAN DAS					
84	AMRITH SWAROOP DINESH K					
85	ANBARASAN V					
86	HANISH S MENON					
87	PRAYAG S PRASAD					
88	NINTO ANTONY					
89	MOHAMMED SHALAM					
90	MOHAMED ROSHAN A					

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Students Feed back

Title: Introduction to energy Management and Auditing
Date: 24/2/2022

For the following areas, please indicate your rating:

A. Content	1 Fair	2 Good	3 Very Good	4 Excellent
Covered useful material		✓		
Practical to my needs and interests			✓	
Well organized				✓
Well paced			✓	
Presented at the right level		✓		
Effective activities			✓	
Useful visual aids and hand-outs				✓
B. Presentation				
Instructor's knowledge		✓		
Instructor's presentation style			✓	
Instructor covered material clearly			✓	
Instructor responded well to questions			✓	
Instructor facilitated interactions among participants well			✓	

C. How could this Course to be improved?	Recent auditing documents.
D. Any other comments or suggestions?	well prepared.

E. Overall, how would you rate this Guest Lecture/Seminar?

[ ] POOR [ ] FAIR [✓] GOOD [ ] EXCELLENT

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

Students Feed back

Title: Introduction to energy Management and Auditing
Date: 24/2/2022

For the following areas, please indicate your rating:

A. Content	1 Fair	2 Good	3 Very Good	4 Excellent
Covered useful material		✓		
Practical to my needs and interests			✓	
Well organized				✓
Well paced			✓	
Presented at the right level		✓		
Effective activities			✓	
Useful visual aids and hand-outs				✓
B. Presentation				
Instructor's knowledge		✓		
Instructor's presentation style			✓	
Instructor covered material clearly			✓	
Instructor responded well to questions			✓	
Instructor facilitated interactions among participants well			✓	

C. How could this Course to be improved?	Recent auditing documents.
D. Any other comments or suggestions?	well prepared.

E. Overall, how would you rate this Guest Lecture/Seminar?

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Students Feed back

Title: Introduction to Energy Management And Auditing
Date: 24.2.2018

For the following areas, please indicate your rating:

A. Content	1 Fair	2 Good	3 Very Good	4 Excellent
Covered useful material		✓		
Practical to my needs and interests			✓	
Well organized			✓	
Well paced			✓	
Presented at the right level				✓
Effective activities			✓	
Useful visual aids and hand-outs			✓	
B. Presentation			✓	
Instructor's knowledge			✓	
Instructor's presentation style				✓
Instructor covered material clearly			✓	
Instructor responded well to questions			✓	
Instructor facilitated interactions among participants well			✓	

C. How could this Course to be improved?	—
D. Any other comments or suggestions?	Good

E. Overall, how would you rate this Guest Lecture/Seminar?

[ ] POOR [ ] FAIR [✓] GOOD [ ] EXCELLENT

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Certificate

This is to certify that Mr./~~Mrs.~~ SUKUMAR.M has attended the course on "INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING", organized by Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 27/01/2018, 03/02/2018, 10/02/2018, 17/02/2018 & 24/02/2018.

Head of the Department

Principal

JCT College of Engineering and Technology

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Head of the Department

Principal

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Head of the Department

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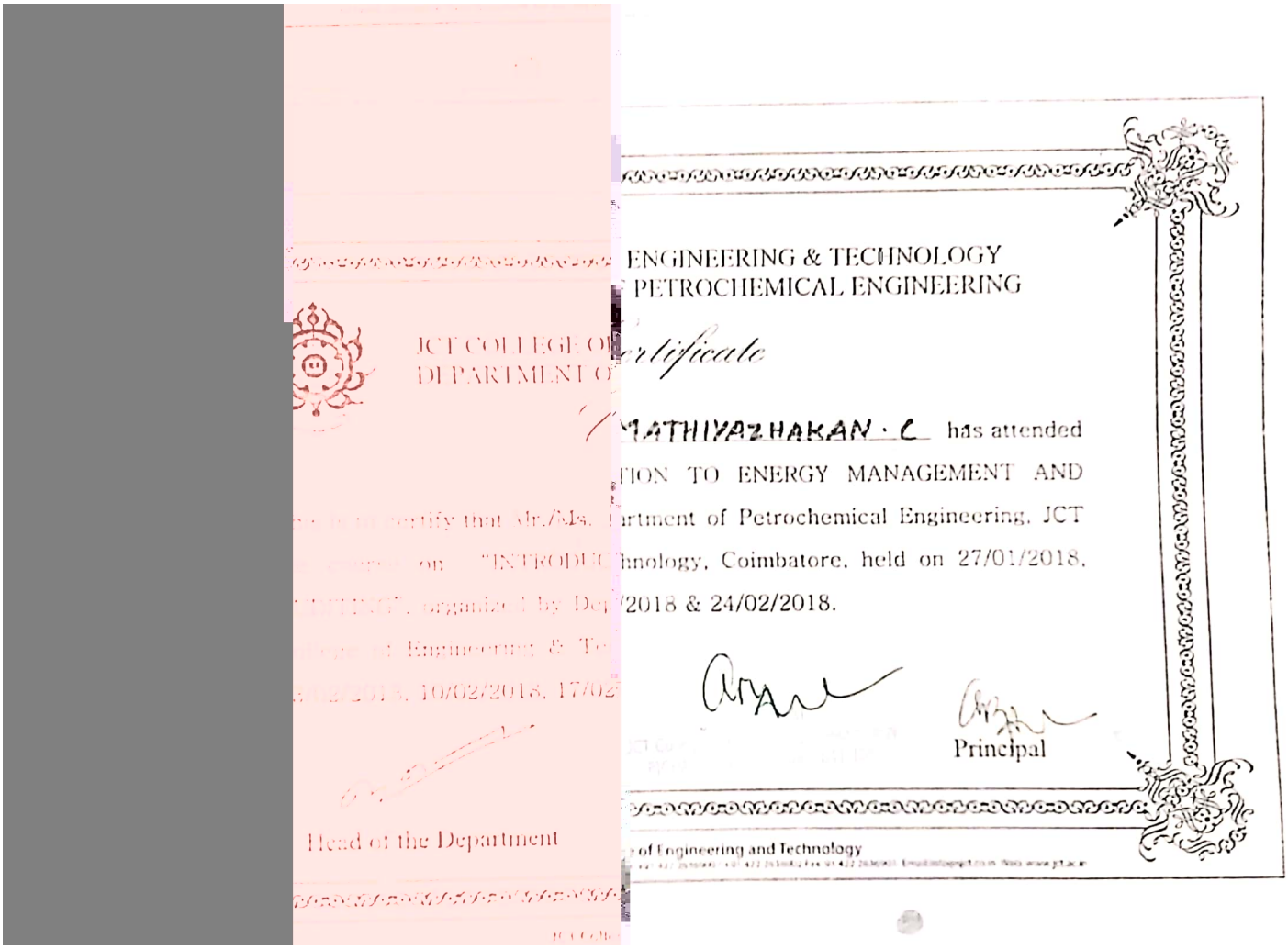

ENGINEERING & TECHNOLOGY
PETROCHEMICAL ENGINEERING

Certificate

MATHIYAZHAKAN . C has attended
TION TO ENERGY MANAGEMENT AND
rtment of Petrochemical Engineering, JCT
hnology, Coimbatore, held on 27/01/2018,
/2018 & 24/02/2018.

Principal

of Engineering and Technology

Head of the Department

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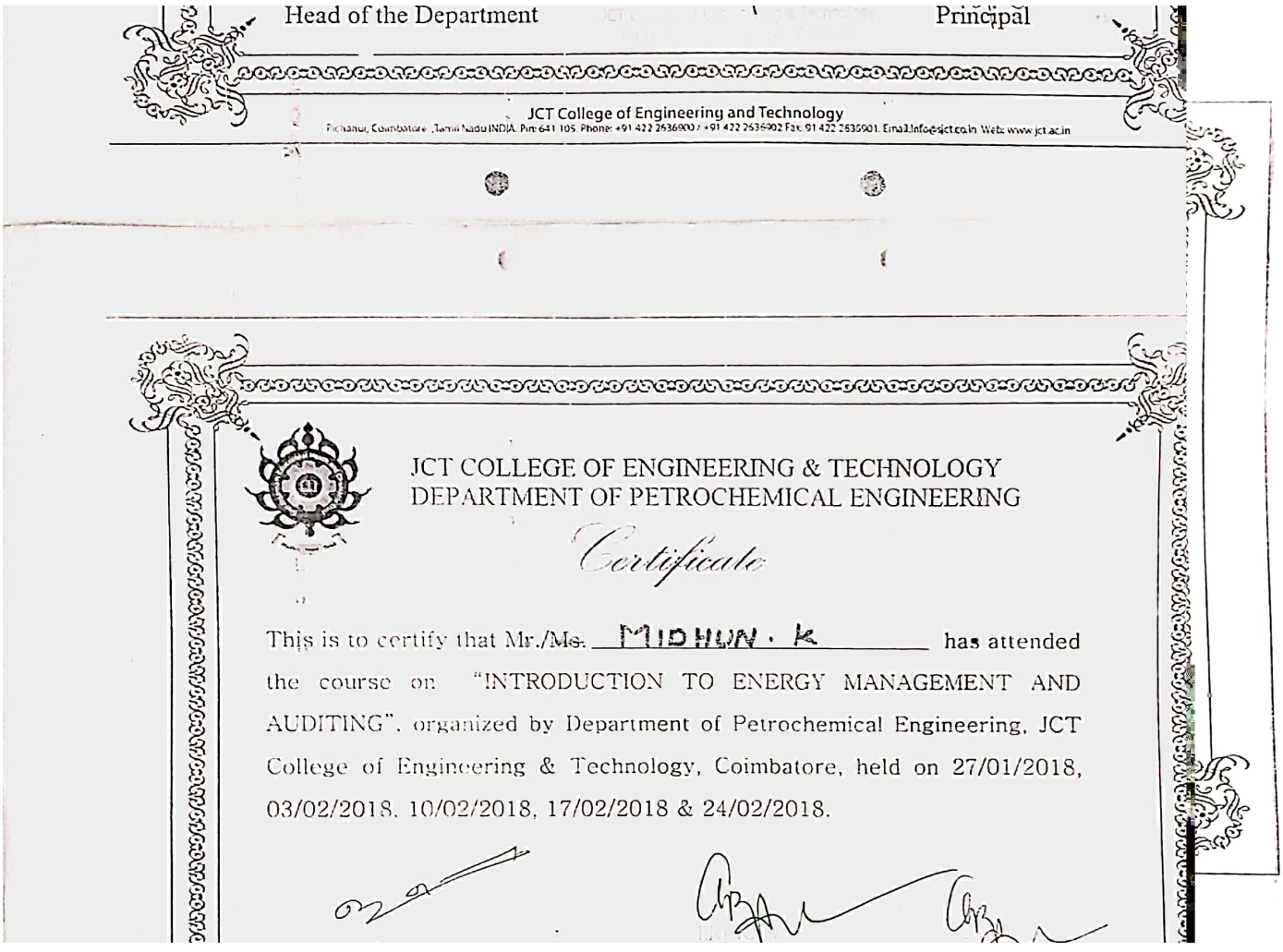

Head of the Department Principal

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This is to certify that Mr./Ms. MIDHUN . K has attended the course on "INTRODUCTION TO ENERGY MANAGEMENT AND AUDITING", organized by Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 27/01/2018, 03/02/2018, 10/02/2018, 17/02/2018 & 24/02/2018.

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NAME	M. Sukumar
MARKS ALLOTED	7 2 0 9 1 4 1 3 9 1 1 3
MARKS AWARD	17

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TÜV AUSTRIA

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCEM001-Introduction to Energy Management and Auditing

1. Energy in the form of heat and light is obtained by
   a) Biomass b) Fossil fuels c) Sun d) Wind

2. Which of the following is not a flexible mechanism under Kyoto protocol?
   a) Emission trading b) Joint implementation c) CDM d) Sectoral approaches.

3. In project Management, What does the 80/20 Rule say?
   a) 20% work consumes 80% of time and resources
   b) 20% is trivial and 80% is vital work.
   c) First 20% work consumes 80% of time and resources.
   d) There is no such rule.

4. Energy is released from fossil fuels when they are
   a) Pumped b) Cooled c) Burned d) Pressurized

5. The world average per capital CO_2 emission is tons per annum.
   a) 0.93 b) 2.2 c) 3.87 d) 4.53

6. In order to produce solar energy during sunlight, where the energy is stored in the batteries?
   a) Nickel-Sulfur b) Zinc-Cadmium c) Nickel-Cadmium d) Nickel-Zinc

7. Which of the following is not a duty of an energy manager?
   a) Report to BEE
   b) Provide the support to accredited energy auditing firm
   c) Prepare a scheme for efficient use of energy
   d) Sign an energy policy

8. Which among the following are elements of project management?
   a) Managing resources b) Managing time and schedule
   c) Managing costs d) all of the above

9. 10MWh of electrical energy is equal to tones of oil equivalent.
   (CV of oil = 10000 kCal/kg)
   a) 860 b) 0.86 c) 8600 d) 86000

10. Which of the following is a non renewable energy?
   a) Solar b) Wind c) Geothermal d) Nuclear

11. What is ESCO?
   a) Energy Saving Company b) Energy Sourcing Company
   c) Energy Service Company d) Energy section of Company

12. Which of the following is the most accurate instrument for surface temperature measurement of the hot pipe line?
   a) Thermocouples b) Pyrometer c) Leaf type contact thermometer d) All of the above

13. One kWh of electricity is equivalent to many heat units in BTU?
   a) 746 b) 860 c) 3412 d) 12000

14. The ozone layer in the stratosphere acts as an efficient filter for
   a) Solar UV-B rays b) X-rays c) Gamma rays d) UV-A rays

15. What is the heat required to melt 2 kg of ice from Zero degree to liquid water at zero degree in KJ at atmospheric condition?
   a) 676 b) 4520 c) 160 d) 1080

16. Which of the following gas damage the ozone layer?
   a) Argon b) CFCs c) CO_2 d) Nitrogen

17. The most nuclear fuel used in the world is
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18. For all the expenditures in the plant, the value of cash flow at the end of the year will be
   a) Positive b) Negative c) Nil d) None of the above

19. A sensitivity analysis is an assessment of
   a) Cash flows b) Risks due to assumptions c) Capital investment d) best financing source

20. The main constituents of Green house gases (GHG) are
   a) CO_2 & CH_4 b) SOx c) NOx d) Water vapor

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NAME	SHEIK ABDULLAH.S
MARKS ALLOTED	720914139105
MARKS AWARD	17

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NAME	Mahesh Kumar.M
MARKS ALLOTED	7209141139065
MARKS AWARD	18

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

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NAME	Mathiyazhakan. C
MARKS ALLOTED	7209411390 68
MARKS AWARD	12

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TÜV AUSTRIA

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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5. The world average per capital CO_2 emission is tons per annum.
   a) 0.93 b) 2.2 c) 3.87 d) 4.53

6. In order to produce solar energy during sunlight, where the energy is stored in the batteries?
   a) Nickel-Sulfur b) Zinc-Cadmium c) Nickel-Cadmium d) Nickel-Zinc

7. Which of the following is not a duty of an energy manager?
   a) Report to BEE
   b) Provide the support to accredited energy auditing firm
   c) Prepare a scheme for efficient use of energy
   d) Sign an energy policy

8. Which among the following are elements of project management?
   a) Managing resources b) Managing time and schedule
   c) Managing costs d) all of the above

9. 10MWh of electrical energy is equal to tones of oil equivalent. (CV of oil = 10000 kCal/kg)
   a) 860 b) 0.86 c) 8600 d) 86000

10. Which of the following is a non renewable energy?
    a) Solar b) Wind c) Geothermal d) Nuclear

11. What is ESCO?
    a) Energy Saving Company b) Energy Sourcing Company
    c) Energy Service Company d) Energy section of Company

12. Which of the following is the most accurate instrument for surface temperature measurement of the hot pipe line?
    a) Thermocouples b) Pyrometer c) Leaf type contact thermometer d) All of the above

13. One kWh of electricity is equivalent to many heat units in BTU?
    a) 746 b) 860 c) 3412 d) 12000

14. The ozone layer in the stratosphere acts as an efficient filter for
    a) Solar UV-B rays b) X-rays c) Gamma rays d) UV-A rays

15. What is the heat required to melt 2 kg of ice from Zero degree to liquid water at zero degree in KJ at atmospheric condition?
    a) 676 b) 4520 c) 160 d) 1080

16. Which of the following gas damage the ozone layer?
    a) Argon b) CFCs c) CO_2 d) Nitrogen

17. The most nuclear fuel used in the world is
    a) Thorium-232 b) Uranium-238 c) Uranium-235 d) Plutonium-239

18. For all the expenditures in the plant, the value of cash flow at the end of the year will be
    a) Positive b) Negative c) Nil d) None of the above

19. A sensitivity analysis is an assessment of
    a) Cash flows b) Risks due to assumptions c) Capital investment d) best financing source

20. The main constituents of Green house gases (GHG) are
    a) CO_2 & CH_4 b) SOx c) NOx d) Water vapor

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NAME	MIDHUN.K
MARKS ALLOTED	20×1=20
MARKS AWARD	17

JCT **JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCEM001-Introduction to Energy Management and Auditing

1. Energy in the form of heat and light is obtained by
   a) Biomass b) Fossil fuels c) Sun d) Wind

2. Which of the following is not a flexible mechanism under Kyoto protocol?
   a) Emission trading b) Joint implementation c) CDM d) Sectoral approaches.

3. In project Management, What does the 80/20 Rule say?
   a) 20% work consumes 80% of time and resources
   b) 20% is trivial and 80% is vital work.
   c) First 20% work consumes 80% of time and resources.
   d) There is no such rule.

4. Energy is released from fossil fuels when they are
   a) Pumped b) Cooled c) Burned d) Pressurized

5. The world average per capital CO_2 emission is tons per annum.
   a) 0.93 b) 2.2 c) 3.87 d) 4.53

6. In order to produce solar energy during sunlight, where the energy is stored in the batteries?
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(CV of oil = 10000 kCal/kg)
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   a) Thorium-232 b) Uranium-238 c) Uranium-235 d) Plutonium-239

18. For all the expenditures in the plant, the value of cash flow at the end of the year will be
   a) Positive b) Negative c) Nil d) None of the above

19. A sensitivity analysis is an assessment of
   a) Cash flows b) Risks due to assumptions c) Capital investment d) best financing source

20. The main constituents of Green house gases (GHG) are
   a) CO_2 & CH_4 b) SOx c) NOx d) Water vapor

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JCT
College of Engineering and Technology

From

Head of the Department
Department of Petrochemical Engineering,
JCT College of Engineering and Technology,
Coimbatore - 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a Certification course **"Drill bit design and performance techniques"**. We are bringing the industrial Experts from Meridian school of oil and gas, Chennai to take classes in our Department students during 10.06.17 to 17.06.17. I request you to give permission for the above on suitable dates.

Thanking you

Yours Sincerely,

Dr.. Venkatesh Babu

30.06.2017

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Principal

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.05.2017

Our Department has arranged a 1week course for our **Third year** students in the topic **"Drill bit Design and Perforation Techniques"**. We are bringing the industrial Experts from Meridian school of oil and gas, Chennai to take classes in our Department students during 10.06.17 to 17.06.17. All the students must attend these courses without fail. Contact your Class advisor for correspondence and information.

Time: 9am to 4 pm.

HOD-PE

Circulation to:

- IV year PE Class Room
- To be displayed on Notice Board.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR VALUE ADDED COURSE

Academic year 2017-2018

Name of the Academy: MERIDIAN SCHOOL OF OIL AND GAS

Name of the Program: DRILLBIT DESIGN AND PERFORATION TECHNIQUES

no	Student name	16/6	11/6	13/6	14/6	15/6	16/6	17/6
1	AJIN SCARIA MATHEW	✓	✓	✓	✓	✓	✓	✓
2	AJITH U	✓	✓	✓	✓	✓	✓	✓
3	AJITH RAJ.R	✓	✓	✓	✓	✓	✓	✓
4	ALAN P THANKACHAN	✓	✓	✓	✓	✓	✓	✓
5	ANAND.R	✓	✓	✓	✓	✓	✓	✓
6	ANIRUDH SREEKUMAR MENON	✓	✓	✓	✓	✓	✓	✓
7	ANTOLO SOLOMON J	✓	✓	✓	✓	✓	✓	✓
8	ARAVAZHI M	✓	✓	✓	✓	✓	✓	✓
9	ARUN NATH.R	✓	✓	✓	✓	✓	✓	✓
10	ASHLIN.T.J	✓	✓	✓	✓	✓	✓	✓
11	ASHWIN.D.M	✓	✓	✓	✓	✓	✓	✓
12	BALAJI.S	✓	✓	✓	✓	✓	✓	✓
13	BALASUBRAMANIYAN.K	✓	✓	✓	✓	✓	✓	✓
14	CLINTON JOY.M	✓	✓	✓	✓	✓	✓	✓
15	DAINGEET.D	A	✓	✓	✓	✓	✓	✓
16	DEEPAK.R	A	✓	✓	✓	✓	✓	✓
17	EAPPEN B PALAMATTOM	✓	✓	✓	✓	✓	A	✓
18	EBIN MOSES.J	✓	✓	✓	✓	✓	✓	✓
19	FLAWEN JEO MATHEW	✓	✓	✓	✓	✓	✓	✓
20	GOPI KRISHNA.A	✓	✓	✓	✓	✓	✓	✓
21	HARISANKAR SREEKUMAR	✓	✓	✓	✓	✓	✓	✓
22	JITHIN JOSEPH	✓	✓	✓	✓	✓	✓	✓
23	JITHU.S	✓	✓	AP	✓	✓	✓	✓
24	JOBI.C.M	✓	✓	A	✓	✓	✓	✓
25	KARTHIK.A	✓	✓	A	✓	✓	A	✓
26	KARTHIK R	✓	✓	A	✓	✓	✓	✓
27	KARITHIKA UL	✓	✓	A	✓	✓	✓	A
28	KINGSLY PRETHIP.N	✓	✓	A	✓	✓	✓	✓
29	KRISHNAKUMAR.S	✓	✓	A	✓	✓	✓	✓
30	KUBERAN.S	✓	✓	✓	✓	✓	✓	✓
31	MAHESWARAN.M	✓	✓	✓	✓	✓	A	✓
32	MANOJ.T	✓	✓	✓	✓	✓	A	✓
33	MOHAMED ASHARDEEN.S	✓	A	✓	✓	✓	✓	✓
34	MOHAMED MIRAHUSSAIN.J	✓	A	✓	✓	A	✓	✓
35	MOHAMED SHAKIT K	✓	A	✓	✓	A	✓	✓
36	MOHAMMED RABEEH.K	✓	A	✓	✓	A	✓	✓
37	MOHAMMED RABEEH.K	✓	✓	✓	✓	A	✓	✓
38	MUHAMMED NAUFAL.A	✓	✓	✓	✓	✓	✓	A
39	MUHAMMED FASIL.M	✓	✓	✓	✓	✓	✓	✓
40	MUJEEB.T.M	✓	✓	✓	✓	✓	✓	✓
41	MUSTHAFA KAMIL.M	✓	✓	✓	✓	✓	✓	✓
42	NAVEENKARC.S	✓	✓	✓	✓	✓	✓	✓
43	NISHANTHKUMAR.M	A	✓	✓	✓	✓	✓	✓
44	PRADEEPAN.S	A	✓	✓	✓	✓	✓	✓
45	PRAVEEN.M.P	✓	✓	✓	✓	✓	✓	✓
46	RAHUL.S	✓	✓	✓	✓	✓	✓	✓
47	RAMEES.V.M	✓	✓	✓	✓	✓	✓	✓
48	RANJITH.D	✓	✓	✓	✓	✓	✓	✓
49	RISHIKESAN.S	✓	✓	✓	✓	✓	✓	A
50	SAINATH.V	✓	✓	✓	✓	✓	✓	✓
51	SANJAY KUMAR.P	✓	✓	✓	✓	✓	✓	✓
52	SANTHOSH KUMAR.V	✓	✓	✓	✓	✓	✓	✓
53	SATHEESH KUMAR.R	✓	✓	✓	✓	✓	✓	✓
54	SHIBI SHAJAHAN	✓	✓	✓	✓	✓	✓	✓
55	SHIEK SHAHEEL.N	✓	✓	✓	✓	✓	✓	✓
56	SHINU DAS	✓	✓	✓	✓	✓	✓	✓
57	SREERAJ.K.K	A	✓	✓	A	A	✓	✓
58	SRINIVASH.M	A	A	✓	A	✓	✓	A
59	THANVEER.K.T	✓	A	✓	✓	✓	✓	✓
60	THATHIN.S	✓	A	✓	✓	✓	✓	✓
61	VIBIN.J	A	✓	✓	✓	✓	✓	✓
62	VIJAYAVEL.M	A	✓	A	✓	✓	✓	✓
63	VINOD VARGHESE	A	✓	A	✓	✓	✓	✓
64	YESNOK LIVINGSTON B	✓	✓	✓	✓	✓	✓	✓
65	KAVIYAN M	✓	✓	✓	✓	✓	✓	✓

HOD
Department of Petroleum Engineering

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

ARUN NATH.R

This is to certify that the above mentioned student of Fourth Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Drill Bit Design and Perforation Techniques"

CERTIFICATE NO: MSOGPSO52017A016
PERIOD: 10.06.2017 to 17.06.2017

13.07.2017
Date

Authorised Signature

www.meridian.edu.in

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JCT College of Engineering & Technology

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

ARAVAZHI.M

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CERTIFICATE NO: MSOGPSO52017A015
PERIOD: 10.06.2017 to 17.06.2017

13.07.2017
Date

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JCT College of Engineering & Technology

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

AJITH RAJ.R

This is to certify that the above mentioned student of Fourth Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Drill Bit Design and Perforation Techniques"

CERTIFICATE NO: MSOGPSO52017A010
PERIOD: 10.06.2017 to 17.06.2017

13.07.2017
Date

Authorised Signature

www.meridian.edu.in

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JCT College of Engineering & Technology

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

AJITH U

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CERTIFICATE NO: MSOGPSO52017A009
PERIOD: 10.06.2017 to 17.06.2017

13.07.2017
Date

Authorised Signature

www.meridian.edu.in

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

AJIN SCARIA MATHEW

This is to certify that the above mentioned student of Fourth Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Drill Bit Design and Perforation Techniques"

CERTIFICATE NO: MSOGPSO52017A008
PERIOD: 10.06.2017 to 17.06.2017

13.07.2017
Date

Authorised Signature

www.meridian.edu.in

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore – 641 105
Department of Automobile Engineering

TÜV AUSTRIA

Report of Certification Programme – Drill Bit Design And Perforation Techniques

The Department of Petroleum Engineering organized a certification course on Drill Bit Design And Perforation Techniques, from 10.06.2017 to 17.06.2017. The resource person for this program was **Mr.N.Naveen**, Senior Trainer, Meridian School of Oil and Gas, Chennai. The program started with the prayer song. The welcome address was given by Mr.Venkateshbabu, Head of the Department, Department of Petroleum Engineering. The Felicitation address was given by Dr.G Ramesh, Principal of JCT College of Engineering and Technology, Coimbatore. The Introduction about the Chief Guest was given by Mr. Deepak R, 4th year Petroleum Engineering. The chief guest first gave an introduction on oil and gas exploration. He then explained about the drilling procedure and problems encountered

He said about the usage of modern tools controllers. He talked about the job opportunities related to production control.

The atmosphere of the Vocational Educational Program was very interesting. We learned a lot from the 1 week Program and were satisfied with the answers from the trainer. Mr. Gopi Krishna A, 4th year Petroleum Engineering concluded with a vote of thanks.

HOD/PE

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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From

Head of the Department

Department of Petrochemical Engineering,

JCT College of Engineering and Technology,

Coimbatore - 641105.

To

The Principal

JCT College of Engineering and Technology,

Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a value added course on **"Electrical resistivity survey and its applications in oil and gas exploration to identify the subsurface lithology, porosity and permeability".** We are bringing the industrial Experts from Apex Petrotech pvt ltd, Chennai to take classes in our Department students during 19.07.17 to 22.07.17. I request you to give permission for the above on suitable dates.

Thanking you

Yours Sincerely,

Dr.S Venkateshbabu

30.06.2017

Principal

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.05.2017

Our Department has arranged a 3 day course for our third year students in the topic **"Electrical resistivity survey and its applications in oil and gas exploration to identify the subsurface lithology, porosity and permeability".** We are bringing the industrial Experts from Apex Petrotech pvt ltd, Chennai to take classes in our Department students during 19.07.17 to 22.07.17. All the students must attend these courses without fail. Contact your Class advisor for correspondence and information.

HOD-PE

Circulation to:

- III year PE Class Room
- To be displayed on Notice Board.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

NAME LIST

Academic year 2018-2019

Name of the Academy: JCT

Name of the Program: ELECTRICAL RESISTIVITY

no	Student name	
1	ABHIJITH.T.O	720915219001
2	ABIJITH K.S	720915219002
3	ADITH KRISHNAN K R	720915219003
4	AKCHAY.V	720915219004
5	AKSHAYAJOTHI.C	720915219005
6	AKSHITH .N.S	720915219006
7	AMBER ALI	720915219007
8	ARAVINDAN.M	720915219009
9	ARUL.L	720915219011
10	ARUN PRAKASH.M	720915219012
11	ASHFAQ AHMED FAROOK.J	720915219013
12	BIBIN.P.B	720915219014
13	DEBIN DAVIS	720915219015
14	DHANRAJ.S	720915219016
15	FEMINA MARGRET.S	720915219018
16	FREDARIC JOY.S	720915219019
17	JAYASURYA.S	720915219020
18	JESSIN THOMAS VARGHESE	720915219021
19	KAJUN NISHAN.M	720915219023
20	KIRUBA.M	720915219024
21	KISHORE.A	720915219025
22	MIDHUN.B.KUMAR	720915219026
23	MUHAMMAD FOUSAN.M.A	720915219027
24	MYDEEN.K	720915219029
25	NAVEEN CHANDER.M	720915219030
26	NAVEEN KUMAR.B	720915219031
27	NESAMANI.M	720915219032
28	NISHANTH.G	720915219034

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

29	PARTHIPAN.A.P	720915219035
30	PETHU RAJ.B	720915219036
31	PREMANAND.S	720915219038
32	PRISTIN FRANCIS.T	720915219039
33	RAM KUMAR.S	720915219041
34	RAMAN.B	720915219040
35	RATHNA KUMAR.P	720915219042
36	ROHIT MARK.N	720915219043
37	SAJIN JOSE	720915219044
38	SARAN KUMAR.K.M	720915219045
39	SARATH .A	720915219046
40	SARATH VIJAYAN	720915219047
41	SATHISH KUMAR.S	720915219048
42	SHAMAS.S	720915219049
43	SHAMEER.S	720915219050
44	SHEIK AHAMED TAJUDEEN.S	720915219051
45	SHEIK MOHAMED FAZIL.M	720915219052
46	SIDHARTH M GOPI	720915219064
47	SRUTHI.V	720915219053
48	SUJITH.S	720915219054
49	SUNDARAPANDIYAN.S	720915219056
50	SURENDAR.K	720915219057
51	SURIYA.S	720915219058
52	THAJUDEEN.S	720915219059
53	VENKADASALAPATHI.V	720915219060
54	VIKRAM.V	720915219061
55	VINOTH KUMAR.T	720915219062
56	YOGESHWARAN.B	720915219063
57	LESJIN JOE MATHEW.M	720915219301
58	ANSIF MOHAMMED S.T	720917219502

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR VALUE ADDED COURSE

Academic year 2018-2019

Name of the Academy: JCT

Name of the Program: ELECTRICAL RESISTIVITY

no	Student name	19/7	20/7	21/7	22/7
1	ABHIJITH T.O	A	/	/	/
2	ABIJITH K.S	/	A	A	/
3	ADITH KRISHNAN K R	/	A	/	/
4	AKCHAY.V	/	A	/	/
5	AKSHAYAJOTHI.C	/	A	/	/
6	AKSHITH .N.S	/	A	/	/
7	AMBER ALI	/	/	/	/
8	ARAVINDAN.M	/	/	/	/
9	ARUL.L	/	/	/	/
10	ARUN PRAKASH.M	/	/	/	/
11	ASHFAQ AHMED FAROOK J	A	/	/	/
12	BIBIN.P.B	/	/	/	/
13	DEBIN DAVIS	/	/	/	/
14	DHANRAJ.S	/	/	/	/
15	FEMINA MARGRET.S	/	/	/	/
16	FREDARIC JOY.S	/	/	/	/
17	JAYASURYA.S	/	/	/	/
18	JESSIN THOMAS VARGHESE	/	/	/	/
19	KAJUN NISHAN.M	/	/	/	/
20	KIRUBA.M	/	/	/	/
21	KISHORE.A	/	/	/	/
22	MIDHUN.B.KUMAR	/	/	/	/
23	MUHAMMAD FOUSAN.M.A	/	/	/	/
24	MYDEEN.K	/	/	/	/
25	NAVEEN CHANDER.M	/	/	/	/
26	NAVEEN KUMAR.B	/	/	/	/
27	NESAMANI.M	/	/	/	/

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

28	NISHANTH.G	/	/	/	/
29	PARTHIPAN.A.P	A	/	/	/
30	PETHU RAJ.B	/	/	/	/
31	PREMANAND.S	/	/	/	/
32	PRISTIN FRANCIS.T	/	A	/	/
33	RAM KUMAR.S	/	A	/	/
34	RAMAN.B	/	/	/	/
35	RATHNA KUMAR.P	/	/	/	/
36	ROHIT MARK.N	/	/	/	/
37	SAJIN JOSE	/	/	A	/
38	SARAN KUMAR.K.M	/	/	A	/
39	SARATH .A	/	/	A	/
40	SARATH VIJAYAN	/	/	A	/
41	SATHISH KUMAR.S	/	/	/	/
42	SHAMAS.S	/	/	/	/
43	SHAMEER.S	/	/	/	/
44	SHEIK AHAMED TAJUDEEN.S	/	/	/	/
45	SHEIK MOHAMED FAZIL.M	/	/	/	/
46	SIDHARTH M GOPI	/	/	/	/
47	SRUTHI.V	/	/	/	/
48	SUJITH.S	/	/	/	/
49	SUNDARAPANDIYAN.S	/	/	/	/
50	SURENDAR.K	/	/	/	/
51	SURIYA.S	/	/	/	/
52	THAJUDEEN.S	/	/	/	/
53	VENKADASALAPATHI.V	/	/	/	/
54	VIKRAM.V	/	/	/	/
55	VINOTH KUMAR.T	/	/	/	/
56	YOGESHWARAN.B	/	/	/	/
57	LESJIN JOE MATHEW.M	/	/	/	/
58	ANSIF MOHAMMED S.T	/	/	/	/

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HOD
Department of Petroleum Engineering

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Pichanur, Coimbatore-641105
Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABHIJITH.T.O

has successfully completed the 3 day Course on Electrical Resistivity Survey And Its Applications In Oil And Gas Exploration from 20.07.2017 to 22.07.2017.

HoD/PE

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Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AKSHAYAJOTHI.C

has successfully completed the 3 day Course on Electrical Resistivity Survey And Its Applications In Oil And Gas Exploration from 20.07.2017 to 22.07.2017.

HoD/PE

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Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AKCHAY.V

has successfully completed the 3 day Course on Electrical Resistivity Survey And Its Applications In Oil And Gas Exploration from 20.07.2017 to 22.07.2017.

HoD/PE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore-641105
Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ADITH KRISHNAN K R

has successfully completed the 3 day Course on Electrical Resistivity Survey And Its Applications In Oil And Gas Exploration from 20.07.2017 to 22.07.2017.

HoD/PE

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Pichanur, Coimbatore-641105
Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABIJITH K.S

has successfully completed the 3 day Course on Electrical Resistivity Survey And Its Applications In Oil And Gas Exploration from 20.07.2017 to 22.07.2017.

HoD/PE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.06.2017

Our Department has arranged a 1week course for our **fourth year** students in the topic **"Oil and Gas Operations"**. We are bringing the industrial Experts from Meridian school of oil and gas, Chennai to take classes in our Department students during 05.08.17 to 12.08.17. All the students must attend these courses without fail. Contact your Class advisor for correspondence and information.

Time: 9am to 4 pm.

PRINCIPAL

HOD-PE

Circulation to:

- IV year PE Class Room
- **To be displayed on Notice Board.**

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

NAME LIST

Academic year 2017-2018

Name of the Academy: MERIDIAN SCHOOL OF OIL AND GAS

Name of the Program: OIL AND GAS OPERATIONS

no	Student name	Student name
1	AJIN SCARIA MATHEW	720914219001
2	AJITH U	720914219002
3	AJITH RAJ.R	720914219003
4	ALAN P THANKACHAN	720914219004
5	ANAND.R	720914219005
6	ANIRUDH SREEKUMAR MENON	720914219006
7	ANTOLO SOLOMON J	720914219007
8	ARAVAZHI.M	720914219008
9	ARUN NATH.R	720914219009
10	ASHLIN.T.J	720914219010
11	ASHWIN.D.M	720914219011
12	BALAJI.S	720914219012
13	BALASUBRAMANIYAN.K	720914219013
14	CLINTON JOY.M	720914219014
15	DAINGEL.T.D	720914219015
16	DEEPAK.R	720914219016
17	EAPPEN B PALAMATTOM	720914219017
18	EBIN MOSES.J	720914219018
19	FLAWEN JEO MATHEW	720914219019
20	GOPI KRISHNA.A	720914219020
21	HARISANKAR SREEKUMAR	720914219021
22	JITHIN JOSEPH	720914219022
23	JITHU.S	720914219023
24	JOBI.C.M	720914219024
25	KARTHIK.A	720914219025
26	KARTHIK R	720914219026
27	KARITHIKA.UL	720914219027
28	KINGSLY PRETHIP.N	720914219028
29	KRISHNAKUMAR.S	720914219029
30	KUBERAN.S	720914219030
31	MAHESWARAN.M	720914219031
32	MANOJ.T	720914219032
33	MOHAMED ASHARDEEN.S	720914219033
34	MOHAMED MIRAHUSSAIN.J	720914219034
35	MOHAMED SHAKIT K	720914219035
36	MOHAMMED RABEEH.K	720914219036

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

28	NISHANTH.G	720915219034
29	PARTHIPAN.A.P	720915219035
30	PETHU RAJ.B	720915219036
31	PREMANAND.S	720915219038
32	PRISTIN FRANCIS.T	720915219039
33	RAM KUMAR.S	720915219041
34	RAMAN.B	720915219040
35	RATHNA KUMAR.P	720915219042
36	ROHIT MARK.N	720915219043
37	SAJIN JOSE	720915219044
38	SARAN KUMAR.K.M	720915219045
39	SARATH .A	720915219046
40	SARATH VIJAYAN	720915219047
41	SATHISH KUMAR.S	720915219048
42	SHAMAS.S	720915219049
43	SHAMEER.S	720915219050
44	SHEIK AHAMED TAJUDEEN.S	720915219051
45	SHEIK MOHAMED FAZIL.M	720915219052
46	SIDHARTH M GOPI	720915219064
47	SRUTHI.V	720915219053
48	SUJITH.S	720915219054
49	SUNDARAPANDIYAN.S	720915219056
50	SURENDAR.K	720915219057
51	SURIYA.S	720915219058
52	THAJUDEEN.S	720915219059
53	VENKADASALAPATHI.V	720915219060
54	VIKRAM.V	720915219061
55	VINOTH KUMAR.T	720915219062
56	YOGESHWARAN.B	720915219063
57	LESJIN JOE MATHEW.M	720915219301
58	ANSIF MOHAMMED S.T	720917219502

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR VALUE ADDED COURSE

Academic year 2017-2018

Name of the Academy: MERIDIAN SCHOOL OF OIL AND GAS

Name of the Program: OIL AND GAS OPERATIONS

no	Student name							
1	AJIN SCARIA MATHEW							
2	AJITH U							
3	AJITH RAJ.R							
4	ALAN P THANKACHAN							
5	ANAND.R							
6	ANIRUDH SREEKUMAR MENON		AB					
7	ANTOLO SOLOMON J							
8	ARAVAZHI.M							
9	ARUN NATH.R							
10	ASHLIN.T.J							
11	ASHWIN.D.M							
12	BALAJI.S				AB			
13	BALASUBRAMANIYAN.K		AB					
14	CLINTON JOY.M							
15	DAINGEL.T.D							AB
16	DEEPAK.R	AB	AB		AB			
17	EAPPEN B PALAMATTOM	AB	AB					
18	EBIN MOSES.J							
19	FLAWEN JEO MATHEW							
20	GOPI KRISHNA.A							
21	HARISANKAR SREEKUMAR							
22	JITHIN JOSEPH							
23	JITHU.S							
24	JOBI.C.M							
25	KARTHIK.A		AB			AB	AB	
26	KARTHIK R							
27	KARITHIKA.UL							
28	KINGSLY PRETHIP.N							
29	KRISHNAKUMAR.S							
30	KUBERAN.S							
31	MAHESWARAN.M							
32	MANOJ.T							
33	MOHAMED ASHARDEEN.S							
34	MOHAMED MIRAHUSSAIN.J							
35	MOHAMED SHAKIT K							
36	MOHAMMED RABEEH.K							
37	MOHAMMED RABEEH.K							

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DEPARTMENT OF PETROLEUM ENGINEERING

38	MUHAMMED NAUFAL A							
39	MUHAMMED FASIL.M							
40	MUJEEB.T.M							
41	MUSTHAFA KAMIL.M							
42	NAVEENKARC.S							
43	NISHANTHKUMAR.M							
44	PRADEEPAN.S						AB	
45	PRAVEEN.M.P		AB					
46	RAHUL.S				AB			
47	RAMEES.V.M							
48	RANJITH.D							
49	RISHIKESAN.S							AB
50	SAINATH.V							AB
51	SANJAY KUMAR.P							AB
52	SANTHOSH KUMAR.V		AB					AB
53	SATHEESH KUMAR.R							
54	SHIBI SHAJAHAN					AB		
55	SHIEK SHAHEEL.N					AB		
56	SHINU DAS							
57	SREERAJ K.K							
58	SRINIVASH.M							
59	THANVEER.K.T							
60	THATHIN.S							
61	VIBIN.J							
62	VIJAYAVEL.M		AB					
63	VINOD VARGHESE							
64	YENOK LIVINGSTON.B							
65	KAVIYAN M							

HOD
Department of Petroleum Engineering

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

ARUN NATH.R

This is to certify that the above mentioned student of Fourth Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil and Gas Operations"

CERTIFICATE NO: MSOGPSO52017A018
PERIOD: 05.08.2017 to 12.08.2017

14.09.2017
Date

Authorised Signature

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

www.meridian.edu.in

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

ARAVAZHI.M

This is to certify that the above mentioned student of Fourth Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil and Gas Operations"

CERTIFICATE NO: MSOGPSO52017A017
PERIOD: 05.08.2017 to 12.08.2017

14.09.2017
Date

Authorised Signature

www.meridian.edu.in

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

AJITH RAJ.R

This is to certify that the above mentioned student of Fourth Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil and Gas Operations"

CERTIFICATE NO: MSOGPSO52017A012
PERIOD: 05.08.2017 to 12.08.2017

14.09.2017
Date

Authorised Signature

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

AJITH U

This is to certify that the above mentioned student of Fourth Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil and Gas Operations"

CERTIFICATE NO: MSOGPSO52017A011
PERIOD: 05.08.2017 to 12.08.2017

14.09.2017
Date

Authorised Signature

www.meridian.edu.in

PRINCIPAL
JCT College of Engineering & Technology

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

AJIN SCARIA MATHEW

This is to certify that the above mentioned student of Fourth Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil and Gas Operations"

CERTIFICATE NO: MSOGPSO52017A010
PERIOD: 05.08.2017 to 12.08.2017

14.09.2017
Date

Authorised Signature

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JCT College of Engineering & Technology
Pichanur, Coimbatore

12-18 Oil

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: Krishnakumar S.K
Department: Petroleum Engineering Sex (M/F): M
Address: ---------- E-mail ---------- mobile ..----------

Students are required to rate the courses

Name of the Trainer: ----------

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating	✓			

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: Muhammad Anfal E.A Sex (M/F): M
Department: Petroleum Engineering E-mail
Address: mobile

Students are required to rate the courses

Name of the Trainer:

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback	✓			
10. Overall rating		✓		

PRINCIPAL
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Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: JITH U. S Sex (M/F): M
Department: PE E-mail
Address: mobile

Students are required to rate the courses

Name of the Trainer: MERIDIAN SCHOOL OF OIL AND GAS

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher			✓	
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses			✓	
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)			✓	
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback	✓			
10. Overall rating		✓		

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Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: AJITH . U Sex (M/F): M

Department: PE E-mail

Address: mobile ..

Students are required to rate the courses

Name of the Trainer: MERIDIAN SCHOOL OF OIL AND GAS

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective			✓	
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓	✓		
9. Provision of sufficient time for feedback			✓	
10. Overall rating		✓		

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: EBIN MOSES. J Sex (M/F): M

Department: PE E-mail

Address: mobile ..

Students are required to rate the courses

Name of the Trainer: MERIDIAN SCHOOL OF OIL AND GAS

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher			✓	
4. Interest generated by the teacher	✓	✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective			✓	
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback		✓		
10. Overall rating		✓		

PRINCIPAL
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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JCT

From

Head of the Department
Department of Petrochemical Engineering,
JCT College of Engineering and Technology,
Coimbatore - 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a Certification course on "oil and gas operations". We are bringing the industrial Experts from Meridian school of oil and gas, Chennai to take classes in our Department students during 05.08.17 to 12.08.17. I request you to give permission for the above on suitable dates.

Thanking you
Yours Sincerely,

Dr.S. Venkatesa Prabhu
30.07.2017

Principal

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore - 641 105
Department of Automobile Engineering

TÜV AUSTRIA

Report of Certification Programme – Oil and Gas Operations

The Department of Petroleum Engineering organized a certification course on Drill Bit Design And Perforation Techniques, from 05.08.2017 to 11.08.2017. The resource person for this program was **Mr.N.Naveen**, Senior Trainer, Meridian School of Oil and Gas, Chennai. The program started with the prayer song. The welcome address was given by Mr.Venkateshbabu, Head of the Department, Department of Petroleum Engineering. The Felicitation address was given by Dr.G Ramesh, Principal of JCT College of Engineering and Technology, Coimbatore. The Introduction about the Chief Guest was given by Mr. Gopi Krishna A, 4th year Petroleum Engineering. The chief guest first gave an introduction on oil and gas exploration. He then explained about the drilling procedure and problems encountered

He said about the usage of modern tools controllers. He talked about the job opportunities related to oil fields.

The atmosphere of the Vocational Educational Program was very interesting. We learned a lot from the 1 week Program and were satisfied with the answers from the trainer. Mr Deepak R, 4th year Petroleum Engineering concluded with a vote of thanks.

HOD/PE

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2017-18

JCT
College of Engineering and Technology

From

Head of the Department
Department of Petrochemical Engineering,
JCT College of Engineering and Technology,
Coimbatore - 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a value added course on **"OIL AND GAS OFFSHORE SAFTEY ENGINEERING"** from **13.06.2017** to **16.06.2017** (4 days) for **second year** students. I request you to give permission for the above on suitable dates.

Thanking you
Yours Sincerely,

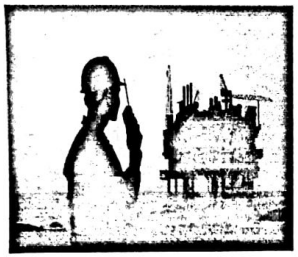
Dr.S. Venkatesa Prabhu
20.05.2017

Principal

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

JCT

TÜV AUSTRIA CERTIFIED
TÜV AUSTRIA VERIFIED



OIL AND GAS OFFSHORE SAFTEY

S. VENKATESAPRABHU
DEPT OF PETROLEUM ENGINEERING
JCT COLLEGE OF TECHNOLOGY

TYPE OF COURSE :NEW, UG

DURATION: 4 days

13.06. 2017-16.06. 2017

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE – 641105
DEPARTMENT OF PETROLEUM ENGINEERING
VALUE ADDED COURSE 2017-18

INTENDED AUDIENCE : B.E/B.Tech, Second Year Students

INDUSTRIES APPLICABLE TO: Oil and Petroleum Companies, Safety Executive Teams.

COURSE OUTLINE :

The course will give an overview of the safety issues encountered in the petroleum industry. It will provide detailed understanding of the methods and techniques to resolve these key issues for making petroleum production and processing, cleaner and safer. This course would educate the participants to identify and assess hazards in any stage of operation, to quantify and manage them as well. This course will also highlight lessons learnt from the past accidents.

COURSE PLAN :

- **Day 1**-Hazard assessment, Safety assurance, Safety in design and operations.
- **Day 2**-Organizing for safety, Hazard classification and assessment.
- **Day 3**-Hazard evaluation and control, HAZOP.
- **Day 4**-Dose assessment, safety regulations, Toxic releases-models and methods.

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DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.05.2017

Our Department is conducting a 4 day course on **"OIL AND GAS OFFSHORE SAFTEY ENGINEERING"** from **13.06.2017 to 16.06.2017** (4 days) for **second year** students. The classes are taken by S Balachandran of Petroleum Department. Interested students can contact your Class advisor for correspondence and more details.

Time: 9am to 4 pm

HOD-PE

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Circulation to:

- II PE Class Room
- To be displayed on Notice Board.

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

NAME LIST

Academic year 2017-2018

Name of the Academy: JCT

Name of the Program: OIL AND GAS OFFSHORE SAFTEY

no	Student name	
1	ABHIJITH.P.J	720916219001
2	ABHINAND.O.V	720916219002
3	ABINESHWARAN	720916219003
4	ADWAIDH.K.S	720916219005
5	AJAYKRISHNAN.K	720916219006
6	AJITHKUMAR.A	720916219007
7	BASHIDH B	720916219008
8	DEVA PRAKASH.R	720916219009
9	GOKULAKRISHNAN M	720916219010
10	HAROLD EPHRAIM	720916219012
11	JAMES M BERNARDOSE	720916219013
12	JAYAKARTHIKEYAN.N	720916219014
13	JOSEPH ANTO	720916219015
14	KANNAN.M	720916219016
15	KARAN.G	720916219017
16	KARTHICK.N	720916219018
17	KIRAN.A.R	720916219019
18	MAGESH.M	720916219021
19	MOHAMED IQBAL M S	720916219022
20	MUHAAMED IRFAN UROTHIYIL	720916219023
21	NAVEEN G.R	720916219024
22	NETHAJI.K	720916219025
23	NIKHIL.U.N	720916219026
24	NISHANTHI.N	720916219027
25	PRAVEEN KUMAR.A	720916219029
26	PRAVEEN KUMAR.R	720916219030
27	RAHMATHULLAH K	720916219031

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28	RAHMATHULLAH K	720916219031
29	REYNOLD.M	720916219032
30	REYNOLD.M	720916219032
31	SANGEETHA.G	720916219033
32	SARAVANA KUMAR S	720916219034
33	SARAVANAN.P	720916219035
34	SELVA ABIMANYU.R	720916219036
35	SHUHAID.M	720916219037
36	VIJAY.V	720916219038
37	ARUN.S	720916219301
38	THISHON J	720916219302
39	THISHON J	720916219302
40	ADERSH.M A	720917219501
41	ANSIF MOHAMMED S.T	720917219502

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DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR VALUE ADDED COURSE

Academic year 2017-2018

Name of the Academy: JCT

Name of the Program: OIL AND GAS OFFSHORE SAFTEY

no	Student name	13/6	14/6	15/6	16/6
1	ABHIJITH.P.J	\	\	\	\
2	ABHINAND.O.V	\	\	\	AB
3	ABINESHWARAN	\	\	\	AB
4	ADWAIDH.K.S	\	\	\	\
5	AJAYKRISHNAN.K	AB	\	\	\
6	AJITHKUMAR.A	\	\	\	\
7	BASHIDH B	\	\	\	\
8	DEVA PRAKASH R	\	\	\	\
9	GOKULAKRISHNAN M	\	\	\	\
10	HAROLD EPHRAIM	\	AB	\	\
11	JAMES M BERNARDOSE	\	\	\	\
12	JAYAKARTHIKEYAN.N	\	\	\	\
13	JOSEPH ANTO	\	\	\	\
14	KANNAN.M	\	\	\	\
15	KARAN.G	\	\	\	\
16	KARTHICK.N	\	\	AB	\
17	KIRAN.A.R	\	\	\	\
	MAGESH M	\	\	\	\
19	MOHAMED IQBAL M S	\	\	\	\
20	MUHAAMED IRFAN UROTHIYIL	\	\	\	\
21	NAVEEN G.R	\	\	\	\
22	NETHAJI.K	\	\	\	\
23	NIKHIL.U.N	\	\	\	\
24	NISHANTHI.N	\	\	\	\
25	PRAVEEN KUMAR.A	\	\	\	\
26	PRAVEEN KUMAR.R	\	\	\	\
27	RAHMATHULLAH K	\	\	\	\

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TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

28	RAHMATHULLAH K	✓	✓	✓	✓
29	REYNOLD.M	✓	✓	✓	✓
30	REYNOLD.M	✓	✓	✓	✓
31	SANGEETHA.G	✓	✓	AB	✓
32	SARAVANA KUMAR S	✓	✓	✓	✓
33	SARAVANAN.P	✓	✓	✓	✓
34	SELVA ABIMANYU.R	✓	✓	✓	✓
35	SHUHAID.M	AB	✓	✓	✓
36	VIJAY.V	✓	✓	✓	✓
37	ARUN.S	✓	AB	✓	✓
38	THISHON J	✓	AB	✓	✓
39	THISHON J	✓	✓	✓	✓
40	ADERSH M A	✓	✓	✓	✓
41	ANSIF MOHAMMED S.T	✓	✓	✓	AB

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore-641105
Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABHIJITH.P.J

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey Engineering from 13.06.2017 to 16.06.2017

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Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABHINAND.O.V

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey Engineering from 13.06.2017 to 16.06.2017

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Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABINESHWARAN

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey Engineering from 13.06.2017 to 16.06.2017

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Pichanur, Coimbatore-641105
Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms DEVA PRAKASH.R

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey Engineering from 13.06.2017 to 16.06.2017

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Pichanur, Coimbatore-641105
Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms GOKULAKRISHNAN M

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey Engineering from 13.06.2017 to 16.06.2017

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2017-18

JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Food Technology

TÜV AUSTRIA

04.06.2018

From

Mrs. J. Esther Hellan Prasanna
Association Coordinator,
Department of Food Technology,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Through

The Head of the Department/FT,

Respected Sir,

*Subject: Requisition for your kind approval to conduct a course on **"HIGH PRESSURE PROCESSING AND PACKAGING"** at our campus-Reg.*

The Food Technology Department has planned to conduct a course on ***"HIGH PRESSURE PROCESSING AND PACKAGING"*** for the IV FT Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Faculty Name	Organized by	Date
1	Value Added Course	Dr P.Banumathi, Professor, TNAU, Coimbatore	Department of FT	06/06/2018-14/06/2018

Thanking you

Note: The content of this course is not a part of regular curriculum.

J. Esther

Association Co-ordinator

HoD

Principal

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JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

04/06/2018

CIRCULAR

DEPARTMENT OF FOOD TECHNOLOGY

It is proposed to conduct a course (HIGH PRESSURE PROCESSING AND PACKAGING) **on 06/06/2018 to 14/06/2018 for Final year Food Technology Students.** This is used to provide a great ideas and their scenario of the concept of high pressure processing and packaging. So the interested students are advised to register their name to the course coordinator.

HOD/FT

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TÜV AUSTRIA

DEPARTMENT OF FOOD TECHNOLOGY

COURSE	COURSE NAME	TOTAL HOURS
FTCC05	HIGH PRESSURE PROCESSING AND PACKAGING	30

Course Objectives:

The course aims to develop the knowledge of students in the area of packaging of foods and the related technology used. This course will enable students to appreciate the application of scientific principles in the packaging of foods.

Course Outcome:

To gain knowledge on

- The different types of materials and media used for packaging foods.
- Hazards and toxicity associated with packaging materials and laws, regulations and the monitoring agencies involved food safety, labeling of foods
- Methods of packaging, shelf life and food factors affecting packaging

Detailed Syllabus	Hours
Primary packaging media – Properties and application, Paper boards, metals, plastics, wood and plywood, glass, flexible materials Labels, caps and closures and adhesives, inks and lacquers, cushioning materials, reinforcements; Testing & evaluation of packaging media – retail packs & transport packages. Vacuum packaging, gas flush packaging, CAP & MAP, aseptic & retort packaging, box in box. Food products-General classification and packaging types, varieties and trends Storage handling and distribution of packages-including pallets & containers; Modern methods of packaging.	30

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

STUDENTS ENROLLED FOR VALUE ADDED COURSE

HIGH PRESSURE PROCESSING AND PACKAGING

S.NO.	REG NO.	NAME OF THE STUDENT
1.	720916218002	AISWARYA KRISHNA
2.	720916218003	AKHIL PHILIP
3.	720916218004	ARAVINDH A
4.	720916218005	ARULMANI.P
5.	720916218006	AYANA.P.SANTHOSH
6.	720916218008	DAKSHAN KUMAR. N
7.	720916218010	DRISYA.C
8.	720916218011	ELAKIYA.R
9.	720916218014	HARI PRIYA.R.S
10.	720916218015	JINY MATHEW
11.	720916218018	KRIPA THAMBY
12.	720916218019	LAKSHMI KRISHNA
13.	720916218027	MOHAMMED SHABEER.C.K
14.	720916218033	NANET ANNIE.G
15.	720916218034	NITHI.J
16.	720916218035	NITHIN DAS
17.	720916218036	PRIYANKA.S
18.	720916218037	PRIYA WILSON
19.	720916218039	RESHMA RAZAK
20.	720916218040	SALIH .P
21.	720916218041	SANDHYA .S
22.	720916218042	SANGAVI.V
23.	720916218043	SANSKKRITA M D
24.	720916218044	SHAHMA.C
25.	720916218046	SHALINI.G
26.	720916218048	SOWMIYA.R
27.	720916218049	SREELAKSHMI.P
28.	720916218050	SUBASRRI.G
29.	720916218053	SURYA MEENA.R
30.	720916218054	SWETHA K
31.	720916218055	TAMIZHARASAN.G
32.	720916218056	VENI SATHEESAN.P.K

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JCT College of Engineering and Technology
Coimbatore – 641 105

DEPARTMENT OF FOOD TECHNOLOGY
TIMETABLE FOR VALUE ADDED COURSE

Academic Year : 2017-18

NAME OF THE PROGRAM : High Pressure Processing and packaging

RESOURCE PERSON : **Dr P.Banumathi,** Professor, TNAU, Coimbatore

Period/Time	Year / Sem	I	II		III	IV
06.06.2018	IV/VII	INAUGURATION		LUNCH BREAK	Primary packaging media – Properties and application, Paper boards, metals, plastics, wood and plywood, glass, flexible materials	
07.06.2018	IV/VII	Labels, caps and closures and adhesives, inks and lacquers, cushioning materials, reinforcements			Testing & evaluation of packaging media	
08.06.2018	IV/VII	retail packs & transport packages			Vacuum packaging, gas flush packaging	
11.06.2018	IV/VII	CAP & MAP, aseptic & retort packaging, box in box			Food products-General classification and packaging types	
12.06.2018	IV/VII	Storage handling and distribution of packages-including pallets & containers			Storage handling and distribution of packages-including pallets & containers	
13.06.2018	IV/VII	Modern methods of packaging			Modern methods of packaging	
14.06.2018	IV/VII	ASSESMENT & REPORT			VALEDICTORY FUNCTION	

Association Co-ordinator

HOD

Principal
PRINCIPAL
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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

TÜV AUSTRIA

STUDENTS ATTENDANCE FOR VALUE ADDED COURSE

HIGH PRESSURE PROCESSING AND PACKAGING

Academic year 2017-18

Name of the Trainer: Mr.Senthil Kumar. S

S.NO.	REG NO.	NAME OF THE STUDENT	06	7/6	8/6	11/6	12/6	13/6	14/6				
1.	720916218002	AISWARYA KRISHNA	/	/	/	/	/	/	/				
2.	720916218003	AKHIL PHILIP	/	/	/	/	/	/	/				
3.	720916218004	ARAVINDH A	/	/	/	/	/	/	/				
4.	720916218005	ARULMANI.P	/	/	/	/	/	/	/				
5.	720916218006	AYANA.P.SANTHOSH	/	/	/	/	/	/	/				
6.	720916218008	DAKSHAN KUMAR. N	/	/	/	/	/	/	/				
7.	720916218010	DRISYA.C	/	/	/	/	/	/	/				
8.	720916218011	ELAKIYA.R	/	/	/	/	/	/	/				
9.	720916218014	HARI PRIYA.R.S	/	/	/	/	/	/	/				
10.	720916218015	JINY MATHEW	/	/	/	/	/	/	/				
11.	720916218018	KRIPA THAMBY	/	/	/	/	/	/	/				
12.	720916218019	LAKSHMI KRISHNA	/	/	/	/	/	/	/				
13.	720916218027	MOHAMMED SHABEER.C.K	/	/	/	/	/	/	/				
14.	720916218033	NANET ANNIE.G	/	/	/	/	/	/	/				
15.	720916218034	NITHI.J	/	/	/	/	/	/	/				
16.	720916218035	NITHIN DAS	/	/	/	/	/	/	/				
17.	720916218036	PRIYANKA.S	/	/	/	/	/	/	/				
18.	720916218037	PRIYA WILSON	/	/	/	/	/	/	/				
19.	720916218039	RESHMA RAZAK	/	/	/	/	/	/	/				
20.	720916218040	SALIH .P	/	/	/	/	/	/	/				
21.	720916218041	SANDHYA .S	/	/	/	/	/	/	/				
22.	720916218042	SANGAVI.V	/	/	/	/	/	/	/				
23.	720916218043	SANSKKRITA M D	/	/	/	/	/	/	/				
24.	720916218044	SHAHMA.C	/	/	/	/	/	/	/				
25.	720916218046	SHALINI.G	/	/	/	/	/	/	/				
26.	720916218048	SOWMIYA.R	/	/	/	/	/	/	/				
27.	720916218049	SREELAKSHMI.P	/	/	/	/	/	/	/				
28.	720916218050	SUBASRRI.G	/	/	/	/	/	/	/				
29.	720916218053	SURYA MEENA.R	/	/	/	/	/	/	/				
30.	720916218054	SWETHA K	/	/	/	/	/	/	/				
31.	720916218055	TAMIZHARASAN.G	/	/	/	/	/	/	/				
32.	720916218056	VENI SATHEESAN.P.K	/	/	/	/	/	/	/				

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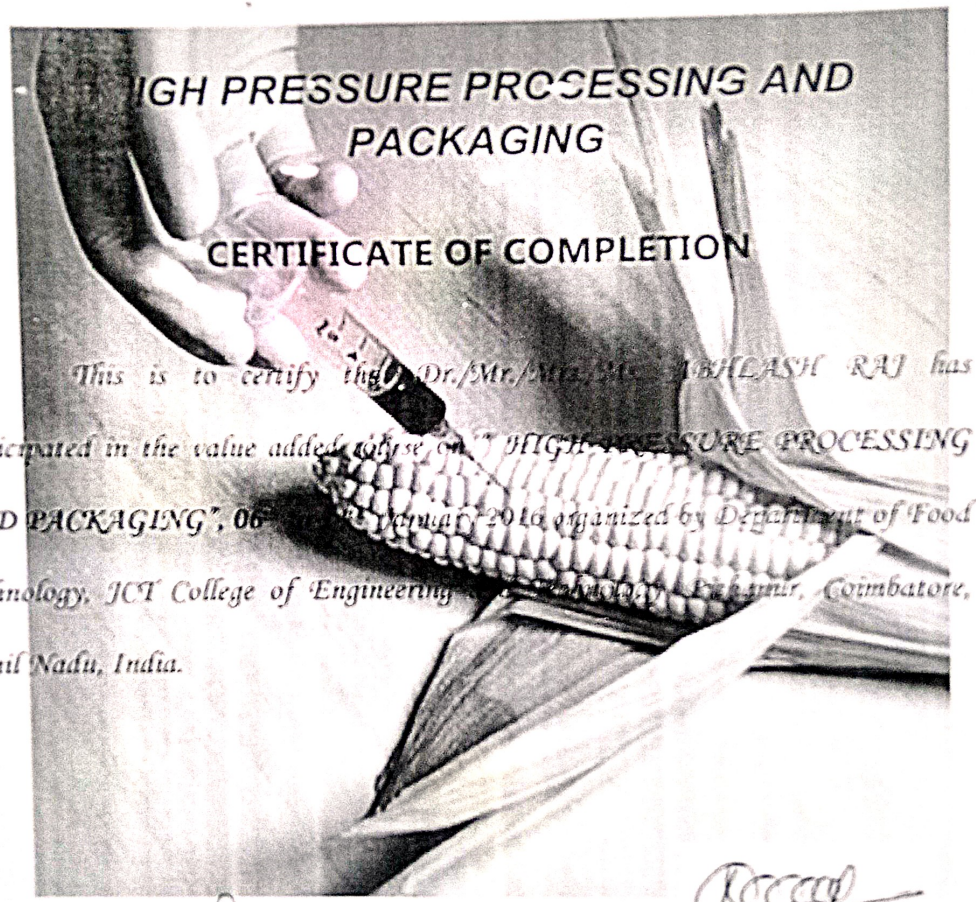

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. ABHLASH RAJ has participated in the value added course on " HIGH PRESSURE PROCESSING AND PACKAGING", 06 [illegible] January 2016 organized by Department of Food Technology, JCT College of Engineering [illegible] Technology, Pichanur, Coimbatore, Tamil Nadu, India.

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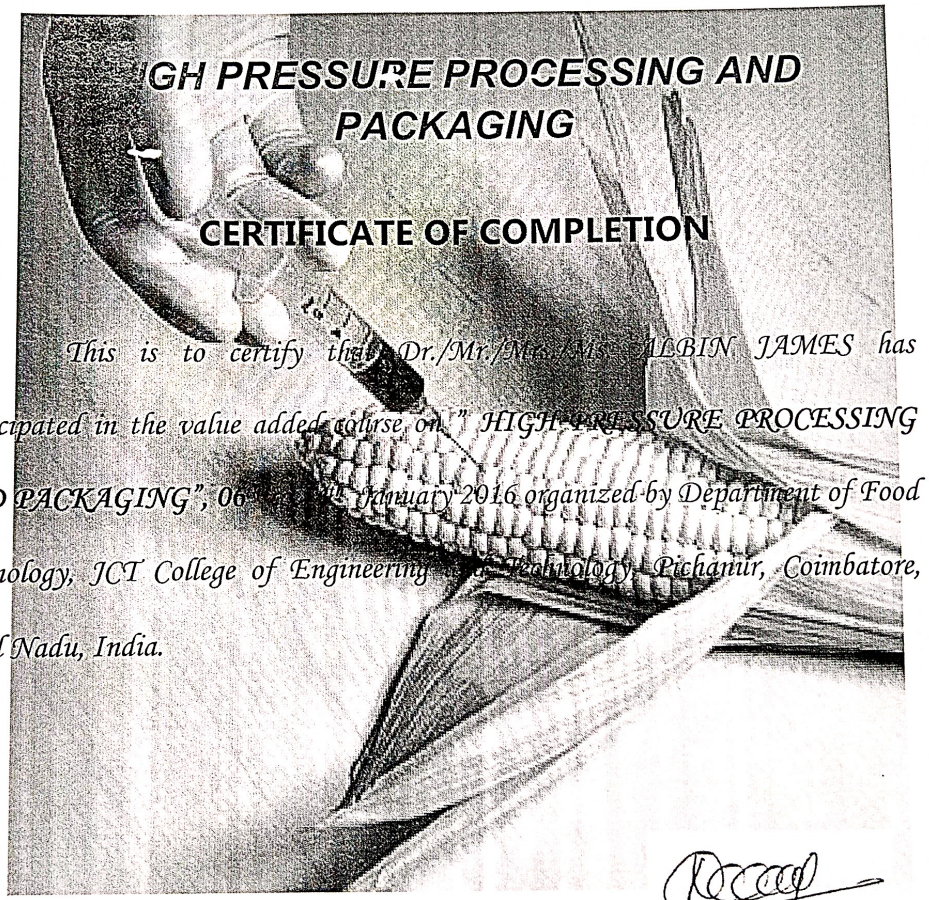

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. ALBIN JAMES has participated in the value added course on " HIGH PRESSURE PROCESSING AND PACKAGING", 06 [illegible] January 2016 organized by Department of Food Technology, JCT College of Engineering [illegible] Technology, Pichanur, Coimbatore, Tamil Nadu, India.

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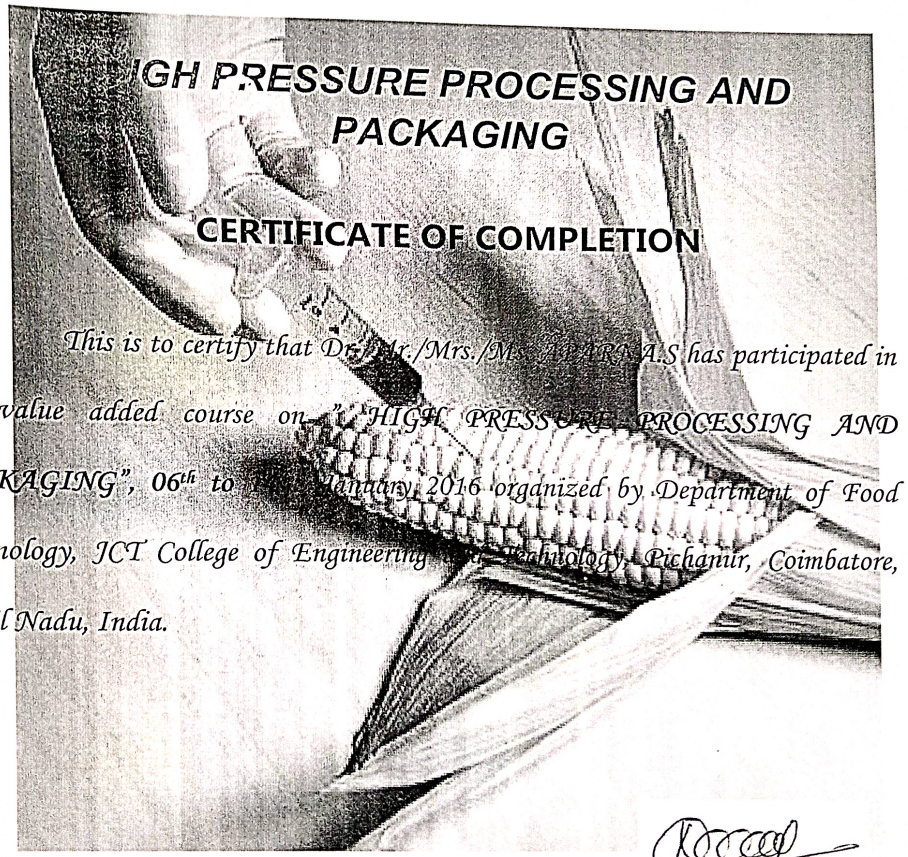

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. ARAVIND A.S has participated in the value added course on " HIGH PRESSURE PROCESSING AND PACKAGING", 06th to 14th January 2016 organized by Department of Food Technology, JCT College of Engineering and Technology, Pichanur, Coimbatore, Tamil Nadu, India.

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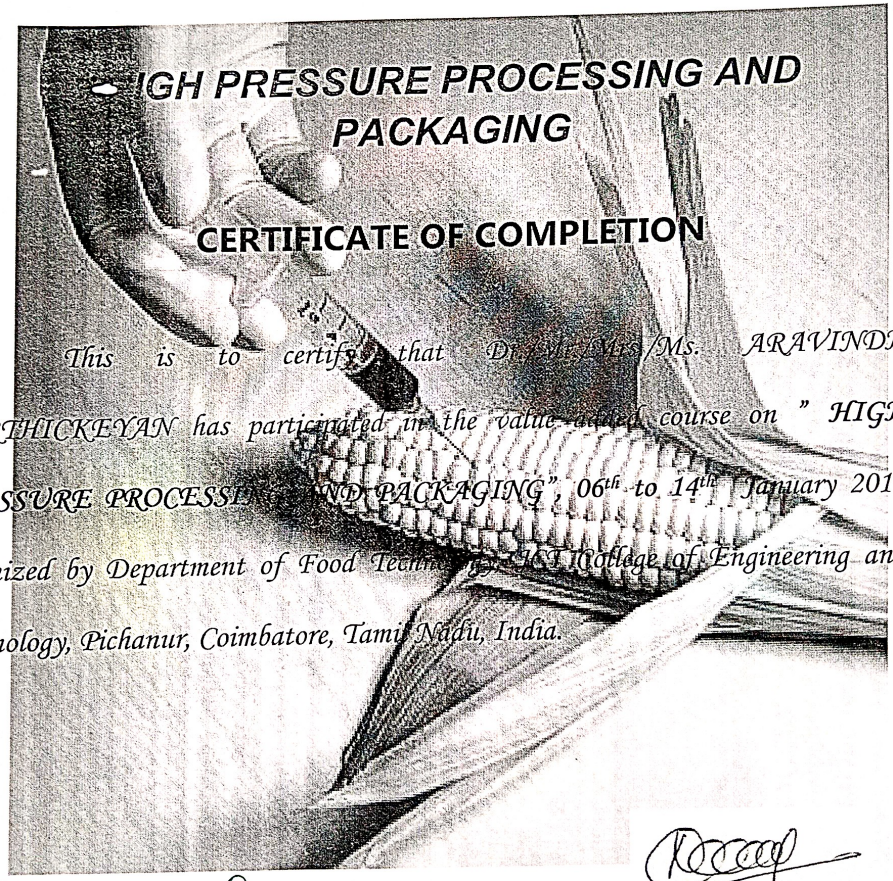

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. ARAVINDH KARTHICKEYAN has participated in the value added course on " HIGH PRESSURE PROCESSING AND PACKAGING", 06th to 14th January 2016 organized by Department of Food Technology, JCT College of Engineering and Technology, Pichanur, Coimbatore, Tamil Nadu, India.

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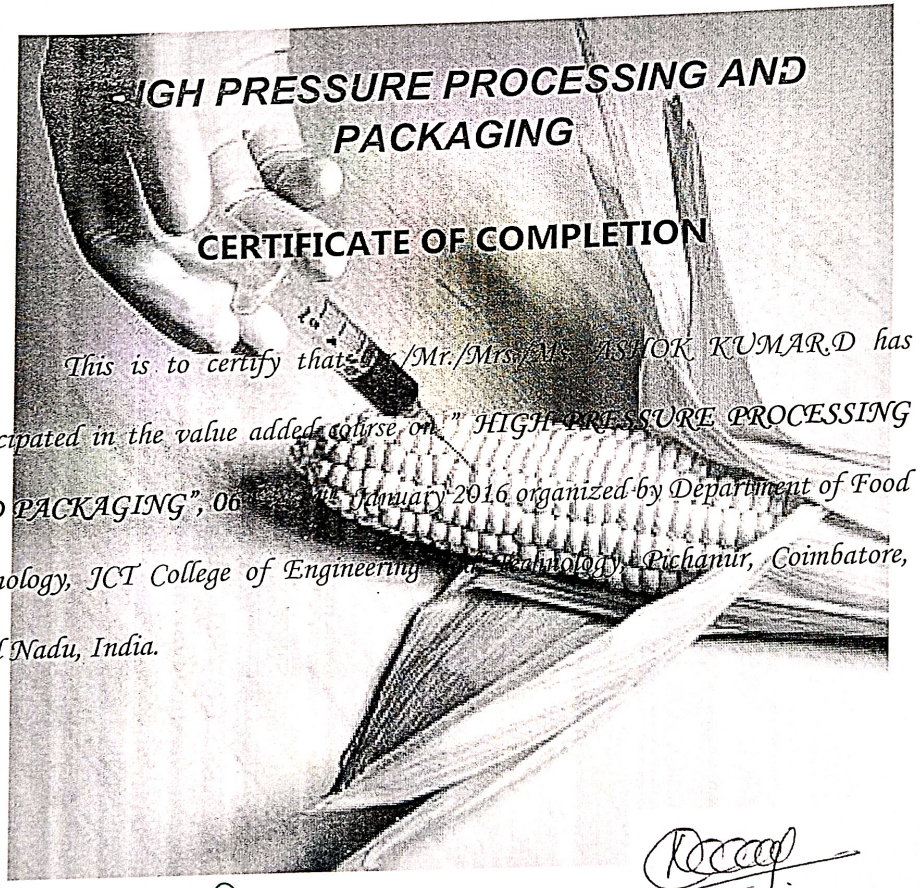

CERTIFICATE OF COMPLETION

This is to certify that Dr./Mr./Mrs./Ms. ASHOK KUMAR.D has participated in the value added course on " HIGH-PRESSURE PROCESSING AND PACKAGING", 06 [illegible] January 2016 organized by Department of Food Technology, JCT College of Engineering and Technology, Pichanur, Coimbatore, Tamil Nadu, India.

TRAINER

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT
College of Engineering and Technology

From

Mr.V.Jethose M.E.,
Prof & Head,
Department of Electrical and Electronics Engineering,
JCT College of Engineering and Technology,
Coimbatore-641105 ,

To

The Principal,
JCT college of Engineering and Technology,
Pichanur , Coimbatore .

Respected sir,

Subject: Approval for the Value added course "PCB Design"-reg

We would like to bring your kind notice that we the department of EEE is in need of course on the topic "**PCB DESIGN**" for II/III year students during from 05/06/2017 to 12/06/2017.Here with, we are starting that the **course content is not available in the regular curriculum**.

Date: 10/01/2017

Yours Faithfully,

V. Jethose
HOD/EEE

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JCT College of Engineering and Technology
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Pichanur, Coimbatore - 641 105 Tamil Nadu INDIA Phone: +91 422 2636900 Fax: +91 422 2636901 Email: info@jct.ac.in www.jct.ac.in

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

"MATLAB FOR POWER ELECTRONICS" COURSE

(ACADEMIC YEAR 2017-2018)

STUDENT NAME :
DATE :

S.NO	Objective type Questions
1.	What is the percentage voltage regulation of short transmission line if its sending end and reciving end voltages are 160 KV and 132 KV respectively? a) 30 % **b)** 21.21 % c) 12.12 % d) 38.22 %
2.	A single phase transmission line is transmitting 1,100 KW power at 11 KV and at unity power fector. If it has a total resistance of 5 Ω, what is the efficiency of the transmission line? a) 80 % b) 89.65 % **c)** 97.24 % d) 99.54 %
3.	Choose the correct hierarchy of operations. a) |,&,+,- **b)** +,-,&,| c) :,+,-,& d) |,:,&,.^
4.	If a logical expression is true, it will always return a logical 1 and if it's false, it'll always return a 0. **a)** True b) False
5.	What does the function all() do? a) Returns 1 if all elements within it are 0 b) Returns 0 if all elements within it are 0 c) Returns 0 if all elements within it are non-zero **d)** Returns 1 if all elements within it are non-zero
6.	his Matlab command clears all data and variables stored in memory: a). clc **b).** clear c) delete d) deallocate
7.	What does MatLab consist of? a). MatLab Language **b)** MatLab working environment c) Handle Graphics d) All of the above
8.	Which of the following is used to see if two elements are equal in MATLAB? a) != **b).** = = c) isequal d). =
9.	**What is the output of the following code?** **isvector((49 32));** a).Error due to command **b)**.Logical 1 c)**.Error in ()**correct d).Error due to absence of comma
10.	What is the output of the following code? error(' No !!!!') a) No !!!! b) No !!!! c) Logical Error d) Symbolic error

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT NAME :		
DATE :		*COURSE : PCB DESIGN (ACADEMIC YEAR 2017-2018)*

S.N	*Objective type Questions*
1.	*Which among the below mentioned packages does not belong to the category of 'Small Outline Package'?* *a. SO b. SOP c. SOT d. SON*
2.	*Which among the below stated soldering methods is also renowned as 'High Frequency Resistance Soldering'?* *a. Iron Soldering b. Furnace Soldering* *c. Torch Soldering d. Electrical Soldering*
3.	*What is/are the necessity/ies to provide guarding to precision differential amplifiers?* *a. To increase leakage resistance b. To reduce capacitance between signal conductors & ground c. Both a and b d. None of the above*
4.	*Which phenomenon is not reduced by the circuit paths of lowest impedances especially provided by power and return planes for shielding purposes?* *a.Radiation b. Convection c. Noise d. Crosstalk*
5.	*Which among the below stated devices/equipments are preferred for elimination of ground and supply line noise especially in TTL/CMOS / ECL PCB designing?* *a. Coupling capacitor b. Decoupling capacitor c. Snubber circuits* *d. All of the above*
6.	*Which among the below mentioned assertions is not a way of cross-talk reduction while designing digital PCBs?* *a. Decrease in the distance between conductors* *b. Shielding of clock lines with guard strips* *c. Reduction in the loop area of circuits*
7.	*What effects can be observed if the separate power and ground planes are provided with large conducting surfaces for better decoupling in PCB layouts?* *a. Increase in self-inductance b. Reduction in self-inductance* *c. Stability in self-inductance d. None of the above*
8.	*What should be the resistance of 0.6 mm wide conductor with 15 cm length and 25 µm thickness of standard copper foil? (Assume ρ = 1.7241 x 10^{-6}(at 20° C)* *a.118.2 mΩ b. 138.2 mΩ c. 172.4 mΩ d. 192.4 mΩ*
9.	*Which type of PCB requires minimum soldering on component side in order to avoid replacement oriented difficulties?* *a. Single-sided PCB b. Double-sided PCB c. Both a and b d. None of the above*
10.	*Which factors contribute to the occurrence of mechanical stress?* *a. Resonance b. Cracked Solder Joints c. Both a and b d. None of the above*
11.	*he actual cost of PCB can be evaluated on the basis of _____* *a. PCB size & material b. Number of layers c. Vias on PCB d. All of the above*
12.	*Which terminology of PCB represents a thin photo-sensitive polymer by supporting photographic pattern of single traces or IC pads for etching?* *a. Prepreg b. Etching c. Photo-resist d. Solder mask*
13.	*Which problems are about to occur if PCB is not designed properly in a confined manner for digital circuits?* *A. Diffraction B. Refraction C. Ground & Supply-line Noise D. Electromagnetic Interference* *a. A & B b. B & C c. C & D d. A, B, C, D*
14.	*Which among the below specified condition is precise in the crosstalk verification mechanism using logic flow in opposite direction with the limit of avoiding dangerous interference in digital PCB designing?* *a. $Z_{even} > Z_{odd}$ b. $Z_{odd} \geq 0.5\ Z_{even}$ c. $Z_{odd} \geq 0.8\ Z_{even}$ d. $Z_{odd} = Z_{even}$*
15.	*Which among the below mentioned approaches belongs to the category of In-circuit Testing?* *a. Impedance Testing b. Component Testing c. Apply Signal and check output*

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE ON PCB DESIGN

CERTIFICATE COURSE TIME TABLE (ACADEMIC YEAR 2017-2018)

DATE	9 to 1 PM		(1.30 TO 4.30 PM)
05-06-2017	Introduction of Syllabus. Lecture - PCB design Industry overview.		Allegro PCB Editor, Real world application
06-06-2017	CONTINUE: Lecture / Demo – using the Allegro editor ACTIVITY: PCB design Tutorial and the Allegro PCB Editor and it Control		LECTURE: Lecture PCB Editor Design Functions, Class Handout – PCB Design Editor
07-06-2017	Class Handout - Working with Properties, Defining the layout Cross Section	**LUNCH (1PM TO 1.30 PM)**	Getting started with Physical Design
08-06-2017	PCB Libraries and its structure		Allegro Pad Stacks and Development, Finish Pad Stack and Symbol Designs
09-06-2017	PCB Cross Sections and Board Design Rules		PCB Design and Layout Process, PCB Design Electrical Considerations
10-06-2017	Gerber and Manufacturing Information Documentation and Data transfer		Practical example , Design Issues. PCB Design Do's and Don'ts
12-06-2017	Review of the Print Circuit Board Design and the Cadence Tool Suite,		Valedictory function

Programme Coordinator

HOD/EEE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE MODULE ACADEMIC YEAR 2017-2018

MATLAB for power electronics

INTRODUCTION:

1. Need for Simulation - Challenges in simulation - Classification of simulation programs - Overview of MATLAB and SIMULINK.
2. MATHEMATICAL MODELLING OF POWER ELECTRONIC SYSTEMS:
3. Static and dynamic models of power electronic switches - Static and dynamic equations and state-space representation of power electronic systems.
4. MATLAB AND SIMULINK: Toolboxes of MATLAB - Programming and file processing in MATLAB - Model definition and model analysis using SIMULINK - S-Functions - Converting S-Functions to blocks.
5. SIMULATION USING MATLAB AND SIMULINK: Diode rectifiers -Controlled rectifiers - AC voltage controllers - DC choppers - PWM inverters – Voltage source and current source inverters - Resonant pulse inverters - Zero current switching and zero voltage switching inverters.
6. Simulation of speed control schemes for DC and AC motors.

HOD/EEE

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Value Added Course on "PCB Design "05-06-2017 to 12-06-2017

Student's marks

S.NO	Reg. Number	Name of the Student	Marks
1.	720916105006	AKHILESH.C	30
2.	720916105008	ANANTHI.T	28
3.	720916105011	ATHIRA.K	30
4.	720916105012	DHARANI.K	26
5.	720916105018	KAVIDASS.K	28
6.	720916105019	KIRAN MOHAN	30
7.	720916105020	MADHU.P	30
8.	720916105021	MIDHILA.R	30
9.	720916105022	MOHAN PRASATH.K	30
10.	720916105029	NITHEESHVI.S	28
11.	720916105302	SOORAJ.J	30
12.	720915105002	AISWARYA.M	26
13.	720915105005	DEEPAK.G	28
14.	720915105006	GAYATHIRI.M	28
15.	720915105008	HAREESH.C	30
16.	720915105009	ISMAIL BAZIL.A	26
17.	720915105014	SARATH CHANDAR K	28
18.	720915105015	SARAVANA KUMAR.S	28
19.	720915105016	VENGATESAN.M	30
20.	720915105018	VISHNU PRASAD.D	26
21.	720915105019	ZUNAIR.A	28
22.	720914105001	ANIL KUMAR	28

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23.	720914105002	ANOOP.A	30
24.	720914105003	ARUN.A.S	26
25.	720914105004	ARUN.K.M	28
26.	720914105005	BALA KRISHNA.R	28
27.	720914105006	DHANESH.B	30
28.	720914105007	FAIZEL.A.A	26
29.	720914105008	GOPAKUMAR.A.V	28
30.	720914105009	HEMA.R	28
31.	720914105010	JAMSHAD.T.K	30
32.	720914105011	KARTHICK RAJA.S	26
33.	720914105012	KRISHNA KUMAR.S	28
34.	720914105013	MIDHUN CHANDRAN	28
35.	720914105014	MUHAMMED ARSHAD ALI.T	30
36.	720914105015	RAHUL R	26
37.	720914105016	RAMESH P	28
38.	720914105017	REKSY. R.K	28
39.	720914105018	RISHIKESH K	30
40.	720914105019	SALMANUL MEDAR CU	26
41.	720914105020	SANDEEP E D	28
42.	720915105019	ZUNAIR.A	28
43.	720915105301	ANAS IBN YOUSUF P	30
44.	720915105302	DENNY ANTO	26
45.	720915105303	MUHAMMED SHAKIR.K	28
46.	720915105304	SAINUL NISAM K P	28

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PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE ON "MATLAB FOR POWER ELECTRONICS"

TIME TABLE (ACADEMIC YEAR 2017-2018)

DATE	FN SESSION (10-12.30 PM)		AN SESSION (1.30 TO 4.30 PM)
22-01-2017	Inauguration	LUNCH (12.30PM TO 1.30 PM)	Need for Simulation - Challenges in simulation - Classification of simulation programs
23-01-2017	Overview of MATLAB and SIMULINK		MATLAB AND SIMULINK: Toolboxes of MATLAB - Programming and file processing in MATLAB
24-01-2017	MATHEMATICAL MODELLING OF POWER ELECTRONIC SYSTEMS		Model definition and model analysis using SIMULINK - S-Functions - Converting S-Functions to blocks
25-01-2017	Static and dynamic models of power electronic switches - Static and dynamic equations		SIMULATION USING MATLAB AND SIMULINK: Diode rectifiers -Controlled rectifiers - AC voltage controllers - DC choppers - PWM inverters
26-01-2017	state-space representation of power electronic systems		Voltage source and current source inverters - Resonant pulse inverters
27-01-2017	Zero current switching and zero voltage switching inverters.		Practical example Zero current switching and zero voltage switching inverters.
28-01-2017	Simulation of speed control schemes for DC and AC motors		Simulation of speed control schemes for DC and AC motors
30-01-2017	Simple test on MATLAB		Valedictory function

HOD-EEE

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CERTIFICATE OF COMPLETION

Awarded to **DEEPAK.G**

in **"MATLAB For Power Electronics"**

at **JCT College of Engineering and Technology,Coimbatore**

during **22nd to 30th JAN 2017** *Student ID* **LWMATPEC124**

20-02-2017

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Topics covered : Embedded systems

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CERTIFICATE OF COMPLETION

Awarded to **VENGATESAN.M**

in **"MATLAB For Power Electronics"**

at **JCT College of Engineering and Technology,Coimbatore**

during **22nd to 30th JAN 2017** *Student ID* **LWMATPEC133**

20-02-2017

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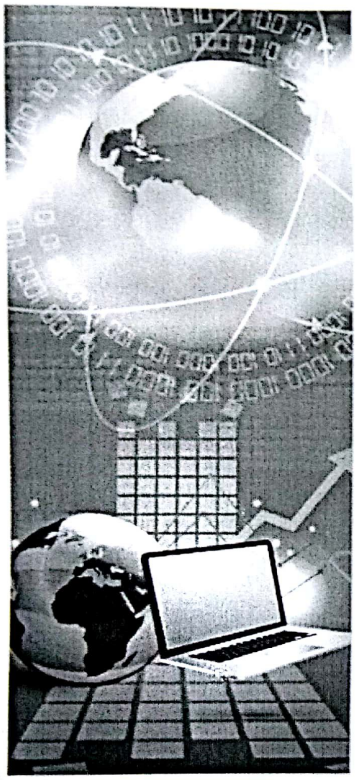

CERTIFICATE OF COMPLETION

Awarded to GAYATHIRI.M

in "MATLAB For Power Electronics"

at JCT College of Engineering and Technology,Coimbatore

during 22nd to 30th JAN 201 7 *Student ID* LWMATPEC125

20-02-2017

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Topics covered : Embedded systems

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CERTIFICATE OF COMPLETION

Awarded to VISHNU PRASAD.D

in "MATLAB For Power Electronics"

at JCT College of Engineering and Technology,Coimbatore

during 22nd to 30th JAN 2017 *Student ID* LWMATPEC135

20-02-2017

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Topics covered : Embedded systems

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TÜV AUSTRIA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 01-06-2017

Dear Students,

This is to inform you that seven days course on **"PCB Design"** is organized by our department from 05-06-2017 to 12-06-2017 in the Computer Lab-3. Training program is going to conduct by Advanced Embedded Technology, Coimbatore will grant the training. All the students are instructed to attend and get benefited.

Circulation: 1.II Year EEE

2. III Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TÜV AUSTRIA

"PCB Design "Course on 05-06-2017 to 12-06-2017
Student Name List and Attendance

S.NO	Reg. Number	Name of the Student	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1.	720916105006	AKHILESH.C	/	/	/	/	a	/
2.	720916105008	ANANTHI.T	/	/	/	/	/	/
3.	720916105011	ATHIRA.K	/	/	/	/	/	a
4.	720916105012	DHARANI.K	/	a	/	/	/	/
5.	720916105018	KAVIDASS.K	/	/	/	/	/	/
6.	720916105019	KIRAN MOHAN	/	/	/	/	/	/
7.	720916105020	MADHU.P	/	/	/	/	/	/
8.	720916105021	MIDHILA.R	/	/	a	/	/	/
9.	720916105022	MOHAN PRASATH.K	/	/	/	/	/	/
10.	720916105029	NITHEESHVI.S	/	/	/	/	/	/
11.	720916105302	SOORAJ.J	/	/	/	/	/	/
12.	720915105002	AISWARYA.M	/	/	a	/	/	/
13.	720915105005	DEEPAK.G	/	/	/	/	/	/
14.	720915105006	GAYATHIRI.M	/	/	/	a	/	/
15.	720915105008	HAREESH.C	/	/	/	/	/	/
16.	720915105009	ISMAIL BAZIL.A	/	/	/	/	/	/
17.	720915105014	SARATH CHANDAR K	a	/	/	/	/	/
18.	720915105015	SARAVANA KUMAR.S	/	/	/	/	/	/
19.	720915105016	VENGATESAN.M	/	/	/	/	/	/
20.	720915105018	VISHNU PRASAD.D	/	/	/	/	/	/
21.	720915105019	ZUNAIR.A	/	a	/	/	/	/
22.	720914105001	ANIL KUMAR	/	/	/	a	/	/
23.	720914105002	ANOOP.A	/	/	/	/	/	/
24.	720914105003	ARUN.A.S	/	/	/	/	/	/
25.	720914105004	ARUN.K.M	a	/	/	/	/	/

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PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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26.	720914105005	BALA KRISHNA.R	/	/	a	/	/	/
27.	720914105006	DHANESH.B	/	/	/	a	/	/
28.	720914105007	FAIZEL.A.A	/	/	/	/	/	/
29.	720914105008	GOPAKUMAR.A.V	/	/	/	/	/	/
30.	720914105009	HEMA.R	/	/	/	/	/	/
31.	720914105010	JAMSHAD.T.K	/	/	/	/	/	/
32.	720914105011	KARTHICK RAJA.S	/	/	/	/	/	/
33.	720914105012	KRISHNA KUMAR.S	/	/	/	/	/	/
34.	720914105013	MIDHUN CHANDRAN	/	/	/	/	a	/
35.	720914105014	MUHAMMED ARSHAD ALI.T	/	/	/	/	/	/
36.	720914105015	RAHUL R	/	a	/	/	/	/
37.	720914105016	RAMESH P	/	/	/	/	/	/
38.	720914105017	REKSY. R.K	/	/	/	/	/	/
39.	720914105018	RISHIKESH K	/	/	/	/	/	/
40.	720914105019	SALMANUL MEDAR CU	/	/	a	/	/	/
41.	720914105020	SANDEEP E D	/	/	/	/	/	/
42.	720915105019	ZUNAIR.A	a	/	/	/	/	/
43.	720915105301	ANAS IBN YOUSUF P	/	/	/	/	/	/
44.	720915105302	DENNY ANTO	/	/	/	/	/	/
45.	720915105303	MUHAMMED SHAKIR.K	/	/	/	/	/	a
46.	720915105304	SAINUL NISAM K P	a	/	/	/	/	/
Staff Sign								

HOD-EEE

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JCT College of Engineering and Technology

Pichanur, Coimbatore - 641 105

TÜV AUSTRIA

Course on **"PCB Design"** from 05-06-2017 to 12-06-2017 in the Computer Lab-3

COURSE CONTENT

1. Introduction to PCB designing concepts

2. Component introduction and their categories
3. Introduction to development tools

4. Schematic drawing from circuit
5. Footprint generation for SMD and through hole components

6. Routing guidelines and Routing single layer to multilayer
7. DRC Checking and Gerber file generation

8. Fabrication of PCB board
9. Board etching

10. Soldering with PCB
11. Interconnecting and Packaging electronic Circuits (IPC) Standards

12. PCB and Hardware Testing

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AEMBTECH

Advanced Embedded Technology

Ram Nagar,
Gandhipuram,Coimbatore-641009.

CERTIFICATE OF COMPLETION

This is to certify that **ANANTHI.T** has successfully completed in **PCB Design** Course held at **JCT College of Engineering and Technology, Coimbatore** from 05-06-2017 to 12-06-2017 conducted by **Advanced Embedded Technology ,Coimbatore**

Date: 05-07-2017

Place: Coimbatore

Training &Head
AEMBTECH

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9/28/2019

AEMBTECH

Advanced Embedded Technology

Ram Nagar,
Gandhipuram,Coimbatore-641009.

CERTIFICATE OF COMPLETION

This is to certify that **AKHILESH.C** has successfully completed in **PCB Design** Course held at **JCT College of Engineering and Technology, Coimbatore** from 05-06-2017 to 12-06-2017 conducted by **Advanced Embedded Technology ,Coimbatore**

Date: 05-07-2017

Place: Coimbatore

Training &Head
AEMBTECH

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PICHANUR, COIMBATORE - 641105

TÜV AUSTRIA

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	ANANTHI
Topic Name	:	PCB Design.
Name of the Industry/Training Institute	:	Advanced Embedded Technology.
Date	:	12-06-2017

1.Did you find the course useful?

- ○ Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- ○ No

3.Did you find the Activity useful?

- ✓ Very much
- ○ Not that much
- ○ Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ○ 10
- ✓ 9
- ○ 8
- ○ Below 8

5. Knowledge about Concern Topic

- ○ Excellent
- ✓ Very good
- ○ Good

Signature of the Student

Ananthi

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	AKHILESH.C
Topic Name	:	PCB Design.
Name of the Industry/Training Institute	:	Advanced Embedded Technology.
Date	:	12-06-2017

1.Did you find the course useful?

- ○ Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- ○ No

3.Did you find the Activity useful?

- ✓ Very much
- ○ Not that much
- ○ Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ○ 10
- ○ 9
- ✓ 8
- ○ Below 8

5. Knowledge about Concern Topic

- ○ Excellent
- ○ Very good
- ✓ Good

Signature of the Student

Akhilesh

AKTukesha

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JCT College of Engineering and Technology

Pichanur, Coimbatore - 641 105

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 18-01-2018

Dear Students,

This is to inform you that eight days course on **"MATLAB for Power Electronics"** is organized by our department from 22-01-2018 to 30-01-2018 in the Computer Lab-3. The Training program is going to conduct by LIVEWIRE Certified Instructor, Chennai will grant the training. All the students are instructed to attend and get benefited.

Circulation: 1.IV Year EEE

2. III Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

TÜV AUSTRIA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on "MATLAB for Power Electronics" on 22-01-2018 to 30-01-2018

Name list and Attendance for the Course

S.N	Register number	Student Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
1	720915105002	AISWARYA.M	/	/	/	/	/	/	/	/
2	720915105003	ANAS.K.A	/	/	A	/	/	/	/	/
3	720915105004	ARJUN.V.P	/	/	/	/	/	/	/	/
4	720915105005	DEEPAK.G	/	A	/	/	/	/	/	/
5	720915105006	GAYATHIRI.M	/	/	/	/	/	/	/	/
6	720915105008	HAREESH.C	/	/	/	/	/	/	/	/
7	720915105009	ISMAIL BAZIL.A	/	/	/	/	/	/	A	/
8	720915105010	JESHIN DAS T.S	/	/	/	/	/	/	/	/
9	720915105011	JITHIN.H	/	/	/	A	/	/	/	/
10	720915105013	SALMANUL FARIS.C	/	/	/	/	/	/	/	/
11	720915105014	SARATH CHANDAR K	/	/	/	/	/	/	/	/
12	720915105015	SARAVANA KUMAR.S	/	/	/	A	/	/	/	/
13	720915105016	VENGATESAN.M	/	/	/	/	/	/	/	/
14	720915105017	VINEETH.V	/	/	A	/	/	/	A	/
15	720915105018	VISHNU PRASAD.D	/	/	/	/	/	/	/	/
16	720915105019	ZUNAIR.A	/	/	/	/	/	/	/	/
17	720915105301	ANAS IBN YOUSUF P	A	/	/	/	/	/	/	/
18	720915105302	DENNY ANTO	/	/	/	/	/	/	/	/
19	720915105303	MUHAMMED SHAKIR.K	/	/	/	/	/	/	/	/
20	720915105304	SAINUL NISAM K P	/	/	/	/	/	/		

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Course on "MATLAB for Power Electronics" on 22-01-2018 to 30-01-2018

Name list and Attendance for the Course

S.N	Register number	Student Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
1	720914105001	ANIL KUMAR	/	/	/	/	/	/	/	/
2	720914105002	ANOOP.A	/	/	/	/	/	/	/	/
3	720914105003	ARUN.A.S	/	/	/	/	/	A	/	/
4	720914105004	ARUN.K.M	/	/	/	/	/	/	/	/
5	720914105005	BALA KRISHNA.R	/	A	/	/	/	/	/	/
6	720914105006	DHANESH.B	/	/	/	/	/	/	/	/
7	720914105007	FAIZEL.A.A	/	/	/	/	A	/	/	/
8	720914105008	GOPAKUMAR.A.V	/	/	/	/	/	/	/	/
9	720914105009	HEMA.R	/	/	/	/	/	/	/	A
10	720914105010	JAMSHAD.T.K	/	/	/	/	/	/	/	/
11	720914105011	KARTHICK RAJA.S	/	/	/	/	/	/	/	/
12	720914105012	KRISHNA KUMAR.S	/	/	/	/	/	/	/	/
13	720914105013	MIDHUN CHANDRAN	/	/	/	/	/	/	/	/
14	720914105014	MUHAMMED ARSHAD ALI.T	/	/	/	/	A	/	/	/
15	720914105015	RAHUL R	/	/	/	/	/	/	/	/
16	720914105016	RAMESH P	/	/	/	/	/	/	/	A
17	720914105017	REKSY. R.K	/	/	/	/	/	/	/	/
18	720914105018	RISHIKESH K	/	/	A	/	/	/	/	/
19	720914105019	SALMANUL MEDAR CU	/	/	/	/	A	/	/	/
20	720914105020	SANDEEP E D	/	/	/	/	/	/	/	/
21	720914105021	A.SATHEESH KUMAR	/	/	/	/	/	/	/	/
22	720914105022	SHERIN.M.D	/	/	/	/	/	A	/	/

HOD-EEE

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Pichanur, Coimbatore - 641 105

TÜV AUSTRIA

"MATLAB for Power Electronics"

COURSE CONTENT

1. Basics of Simulation Model Development
2. Parameter setting of power circuit's and control circuit's components
3. Simulation & analysis of converters
4. Four quadrant operation of DC motor using DC chopper
5. Development of an Electric Drive system
6. PM Motor Drives for Automotive Applications
7. Control of Induction generators in islanded micro-grids
8. Front End Converter for Induction motor drives
9. Design and Simulation of active filter and its performance analysis

HOD-EEE

PRINCIPAL

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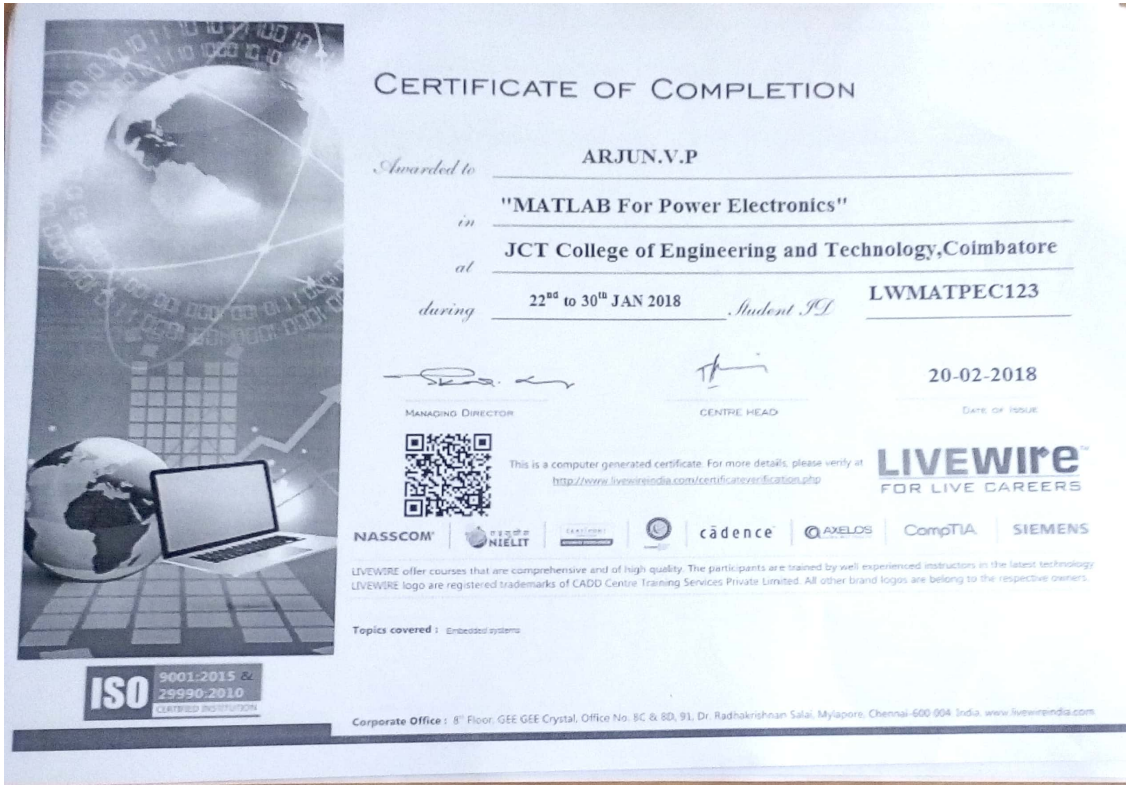

CERTIFICATE OF COMPLETION

Awarded to ARJUN.V.P

in "MATLAB For Power Electronics"

at JCT College of Engineering and Technology,Coimbatore

during 22nd to 30th JAN 2018 *Student ID* LWMATPEC123

20-02-2018

MANAGING DIRECTOR | CENTRE HEAD | DATE OF ISSUE

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LIVEWIRE FOR LIVE CAREERS

NASSCOM | NIELIT | cadence | AXELOS | CompTIA | SIEMENS

LIVEWIRE offer courses that are comprehensive and of high quality. The participants are trained by well experienced instructors in the latest technology. LIVEWIRE logo are registered trademarks of CADD Centre Training Services Private Limited. All other brand logos are belong to the respective owners.

Topics covered : Embedded systems

ISO 9001:2015 & 29990:2010 CERTIFIED INSTITUTION

Corporate Office : 8th Floor, GEE GEE Crystal, Office No. 8C & 8D, 91, Dr. Radhakrishnan Salai, Mylapore, Chennai-600 004. India. www.livewireindia.com

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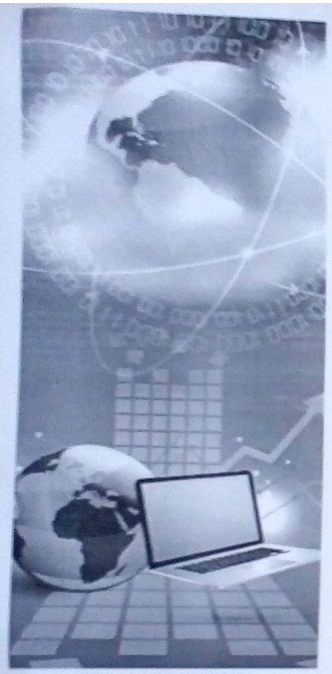

CERTIFICATE OF COMPLETION

Awarded to **ANAS.K.A**

in **"MATLAB For Power Electronics"**

at **JCT College of Engineering and Technology,Coimbatore**

during **22nd to 30th JAN 2018** *Student ID* **LWMATPEC122**

20-02-2018

MANAGING DIRECTOR | CENTRE HEAD | DATE OF ISSUE

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Topics covered : Embedded systems

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PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	ARJUN . V P
Topic Name	:	MATLAB For Power electronics
Name of the Industry/Training Institute	:	LIVE WIRE FOR LIVE CAREERS.
Date	:	30-01-2018

1.Did you find the course useful?

- ✓ Very Useful
- o Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- o Little
- o No

3.Did you find the Activity useful?

- o Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- o 10
- o 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- o Very good
- o Good

ARJUN. V P

Signature of the Student

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PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	DEEPAK U
Topic Name	:	MATLAB for power electronic
Name of the Industry/Training Institute	:	LIVE WIRE FOR LIVE CAREERS
Date	:	30-01-2018

1.Did you find the course useful?

- o Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- o Little
- o No

3.Did you find the Activity useful?

- ✓ Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ✓ 10
- o 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- ✓ Very good
- o Good

DEEPAK.U

Signature of the Student

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE ACADEMIC YEAR 17-18

"Printed Circuit Board (PCB) Designing"

Objective of the Course:

This is a basic course for designing of PCB using software. PCB (Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade.

Topics Covered:

1. Introduction to PCB designing concepts
2. Component introduction and their categories
3. Introduction to Development Tools
4. Detailed description and practical of PCB designing
5. Lab practice and designing concepts

Detailed Syllabus of the Course

Section 1: Introduction to PCB designing concepts

Introduction & Brief History

- What is PCB
- Difference between PWB and PCB
- Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer)
- PCB Materials

Introduction to Electronic design Automation (EDA)

- Brief History of EDA
- Latest Trends in Market
- How it helps and Why it requires
- Different EDA tools
- Introduction to SPICE and PSPICE Environment
- Introduction and Working of PROTEUS

Section 2: Component introduction and their categories

Types of Components

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- Active Components
  - Diode
  - Transistor
  - MOSFET
  - LED
  - SCR
  - Integrated Circuits (ICs)
- Passive Components
  - Resistor
  - Capacitor
  - Inductor
  - Transformer
  - Speaker/Buzzer

Component Package Types

- Through Hole Packages
  - Axial lead
  - Radial Lead
  - Single Inline Package(SIP)
  - Dual Inline Package(DIP)
  - Transistor Outline(TO)
  - Pin Grid Array(PGA)
- Through Hole Packages
  - Metal Electrode Face(MELF)
  - Leadless Chip Carrier(LCC)
  - Small Outline Integrated Circuit(SOIC)
  - Quad Flat Pack(QPF) and Thin QFP (TQFP)
  - Ball Grid Array(BGA)
  - Plastic Leaded Chip Carrier(PLCC)

Section 3: Introduction to Development Tools

- Introduction to PCB Design using OrCAD tool
- Introduction to PCB Design using PROTEUS tool

Section 4: Detailed description and practical of PCB designing

PCB Designing Flow Chart

- Schematic Entry
- Net listing
- PCB Layout Designing
- Prototype Designing
  - Design Rule Check(DRC)
  - Design For Manufacturing(DFM)
- PCB Making
  - Printing
  - Etching
  - Drilling
- Assembly of components

Description of PCB Layers

- Electrical Layers
  - Top Layer
  - Mid Layer
  - Bottom Layer
- Mechanical Layers
  - Board Outlines and Cutouts
  - Drill Details

- Documentation Layers
  - Components Outlines
  - Reference Designation
  - Text

Keywords & Their Description

- Footprint
- Pad stacks
- Vias
- Tracks
- Color of Layers
- PCB Track Size Calculation Formula

PCB Materials

- Standard FR-4 Epoxy Glass
- Multifunctional FR-4
- Tetra Functional FR-4
- NelcoN400-6
- GETEK
- BT Epoxy Glass
- Cyanate Aster
- Plyimide Glass
- Teflon

Rules for Track

- Track Length
- Track Angle
- Rack Joints
- Track Size

Study of IPC Standards

- IPC Standard For Schematic Design
- IPC Standard For PCB Designing
- IPC Standard For PCB Materials
- IPC Standard For Documentation and PCB Fabrication

Section 5: Lab practice and designing concepts

Starting the PCB designing

- Understanding the schematic Entry
- Creating Library & Components
- Drawing a Schematic
- Flat Design / hierarchical Design
- Setting up Environment for PCB
- Design a Board

Auto routing

- Introduction to Auto routing
- Setting up Rules
- Defining Constraints
- Auto router Setup

PCB Designing Practice

- PCB Designing of Basic and Analog Electronic Circuits
- PCB Designing of Power Supplies
- PCB Designing of Different Sensor modules
- PCB Designing of Electronics Projects
- PCB Designing of Embedded Projects

Post Designing & PCB Fabrication Process

- Printing the Design
- Etching
- Drilling
- Interconnecting and Packaging electronic Circuits (IPC) Standards
- Gerber Generation
- Soldering and De-soldering
- Component Mounting
- PCB and Hardware Testing

Project work

- Making the schematic of Academic and Industrial projects
- PCB Designing of these projects
- Soldering and De-soldering of components as per Design
- Testing and Troubleshooting Methods

AEMBTECH

Advanced Embedded Technology

Ram Nagar,
Gandhipuram,Coimbatore-641009.

CERTIFICATE OF COMPLETION

This is to certify that **ATHIRA.K** has successfully completed in **PCB Design** Course held at **JCT College of Engineering and Technology, Coimbatore** from 05-06-2017 to 12-06-2017 conducted by **Advanced Embedded Technology ,Coimbatore**

Date: 05-07-2017

Place: Coimbatore

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Training &Head
AEMBTECH

AEMBTECH

Advanced Embedded Technology

Ram Nagar,
Gandhipuram,Coimbatore-641009.

CERTIFICATE OF COMPLETION

This is to certify that **AKHILESH.C** has successfully completed in **PCB Design** Course held at **JCT College of Engineering and Technology, Coimbatore** from 05-06-2017 to 12-06-2017 conducted by **Advanced Embedded Technology ,Coimbatore**

Date: 05-07-2017

Place: Coimbatore

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Training &Head
AEMBTECH

AEMBTECH

Advanced Embedded Technology

Ram Nagar,
Gandhipuram,Coimbatore-641009.

CERTIFICATE OF COMPLETION

This is to certify that **KAVIDASS.K** has successfully completed in **PCB Design** Course held at **JCT College of Engineering and Technology, Coimbatore** from 05-06-2017 to 12-06-2017 conducted by **Advanced Embedded Technology ,Coimbatore**

Date: 05-07-2017

Place: Coimbatore

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Training &Head
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Advanced Embedded Technology

Ram Nagar,
Gandhipuram,Coimbatore-641009.

CERTIFICATE OF COMPLETION

This is to certify that **DHARANI.K** has successfully completed in **PCB Design** Course held at **JCT College of Engineering and Technology, Coimbatore** from 05-06-2017 to 12-06-2017 conducted by **Advanced Embedded Technology ,Coimbatore**

Date: 05-07-2017

Place: Coimbatore

PRINCIPAL
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Pichanur, Coimbatore - 641105

Training &Head
AEMBTECH

AEMBTECH

Advanced Embedded Technology

Ram Nagar,
Gandhipuram,Coimbatore-641009.

CERTIFICATE OF COMPLETION

This is to certify that **KIRAN MOHAN** has successfully completed in **PCB Design** Course held at **JCT College of Engineering and Technology, Coimbatore** from 05-06-2017 to 12-06-2017 conducted by **Advanced Embedded Technology ,Coimbatore**

Date: 05-07-2017

Place: Coimbatore

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Training &Head
AEMBTECH

1.3 Curriculum Enrichment (30)				
1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (15)				
2016-2017				
Sl.No	**Name of the value added courses (with 30 or more contact hours)offered during last five years**	**Introduced in Curriculum and year**	**Offered for students of Program**	**Signature of HoD**
1	CATIA MODELING	2016-17	Department of Automobile Engineering	
2	REVIT ARCHITECTURE	2016-17	Department of Civil Engineering	
3	XILINX	2016-17	Department of Electronics and Communication Engineering	
4	HANDS ON TRAINING BIOMEDICAL DEVICES & ARDUINO			
5	SOFTWARE TRAINING			
6	ENERGY CONSERVATION MANAGEMENT AND AUDITING	2016-17	Department of Petrochemical Engineering	
7	DEVELOPMENTS IN EXTRUDED FOODS	2016-17	Department of Food Technology	
8	GREEN BIOTECHNOLOGY FOR FOOD SECURITY			
9	ADVANCED METROLOGY TRAINING	2016-17	Department of Mechanical Engineering	
10	ADVANCED MUNCIPAL WASTE MANAGEMENT	2016-17	Department of Petroleum Engineering	
11	COMMUNICATION DEVELOPMENT SKILLS	2016-17	Department of Science and Humanities	

Principal

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT College of Engineering and Technology

Minutes of Meeting

Date : 6.6.2016
Time : 10.30 AM
Venue : Principal Chamber
Type : Special meeting to take decision on the conduct of Value added courses for the academic year 2016-17

Members present

1. **Principal 2. HOD – Automobile 3. HOD – CSE 4. HOD – Civil 5.HoD – ECE 6. HoD – PE 7. HOD- PCE HoD- S&H 9.HoD – EEE 10. HoD -Mech**

Discussion

Planning to conduct Value added courses for benefit of students of below mentioned branches to enhance knowledge in the relevant field. All HoD's are asked to submit the proposal for conducting value added courses in their respective branches.

Resolution:

Based on the submitted proposals, the management is pleased to approve the following Value Added courses can be conducted for this academic year 2016-17.

Department	Name of the Course
AUTO	CATIA MODELING
CIVIL	REVIT ARCHITECTURE
ECE	XILINX
ECE	HANDS ON TRAINING BIOMEDICAL DEVICES & ARDUINO
ECE	SOFTWARE TRAINING
PE	ADVANCED MUNCIPAL WASTE MANAGEMENT
FT	DEVELOPMENT IN EXTRUDED FOODS
FT	GREEN BIO TECHNOLOGY FOR FOOD SECURITY
PCE	ENERGY CONSERVATION MANAGEMENT AND AUDITING
Mechanical	ADVANCED METROLOGY TRAINING
S & H	COMMUNICATION DEVELOPMENT SKILLS

Principal

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT College of Engineering and Technology

Pitchanur
06.06.2016

To Whomsoever it may concern

We have planned to organize the following Value added courses in this academic year 2016-17 for the benefits of students of various branches of our institution. **Herewith we are declaring that the below claimed Value added course is not in the main regular curriculum.**

Department	Name of the Course
AUTO	CATIA MODELING
CIVIL	REVIT ARCHITECTURE
ECE	XILINX
ECE	HANDS ON TRAINING BIOMEDICAL DEVICES & ARDUINO
ECE	SOFTWARE TRAINING
PE	ADVANCED MUNCIPAL WASTE MANAGEMENT
FT	DEVELOPMENT IN EXTRUDED FOODS
FT	GREEN BIO TECHNOLOGY FOR FOOD SECURITY
PCE	ENERGY CONSERVATION MANAGEMENT AND AUDITING
Mechanical	ADVANCED METROLOGY TRAINING
S & H	COMMUNICATION DEVELOPMENT SKILLS

Principal

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Automobile Engineering

08.05.2017

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"CATIA MODELING"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"CATIA MODELING"** for the III and IV Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	ARRIS CADD TECHNOLOGY Coimbatore	Department of Automobile Engineering	05.06.2017 to 12.06.2017

Thanking you

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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COIMBATORE 641 105

Department of Automobile Engineering

CIRCULAR

01.06.2017

It is here by informed that the department of Automobile is organizing value added course on **"CATIA MODELING"** from 05-06-2017 to 12-06-2017.All the students are instructed to attend and get benefited.

To be read in:-

1) IV Year Auto
2) III year Auto

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

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PICHANUR, COIMBATORE-641105

Department of Automobile Engineering

VALUE ADDED COURSE ON CATIA MODELING

TIME TABLE

DATE	TIMING	TOPIC
05-06-2017 Wednesday	10.00 am to 5 pm	INTRODUCTION TO CATIA
06-06-2017 Thursday	10.00 am to 5 pm	DRAWING SKETCHES IN THE SKETCHER WORKBENCH-
07-06-2017 Friday	10.00 am to 5 pm	CONSTRAINING SKETCHES AND CREATING BASE FEATURES
08-06-2017 Saturday	10.00 am to 5 pm	REFERENCE ELEMENTS AND SKETCH-BASED FEATURES
10-06-2017 Monday	10.00 am to 5 pm	WORKING WITH THE WIREFRAME AND SURFACE DESIGN WORKBENCH
11-06-2017 Tuesday	10.00 am to 5 pm	EDITING AND MODIFYING SURFACES
12-06-2017 Wednesday	10.00 am to 5 pm	ASSEMBLY MODELING

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HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

REGISTERD STUDENTS NAME LIST

Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	
1	ALBERT ANTO	
2	ANTONY VIJAY.A	
3	ANTO TENSON	
4	ARUN KRISHNA.M.K	
5	ASHIK	
6	BINU BRISTON.J.C	
7	BONEYNATH.A	
8	HILLER.M	
9	JAYA GANESH.N	
10	JISHNU.K.K	
11	JOSE JOHN	
12	MOHAMED ASHIQ	
13	MOHAMMED THANZEER.K.A	
14	MOHAMMED ASFAR.K	
15	NAGA PRAVEEN.V	
16	NAVEEN KUMAR.S	
17	PRANAV.P	
18	PRINCE PAUL	
19	RAHUL.P.S	

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COIMBATORE 641 105

Department of Automobile Engineering

20	ROHITH KUMAR V.M	
21	VISHNU VIJAYAN	
22	VIVEK THOMAS	
23	ABDUL SALAM	
24	AJMAL	
25	AKHIL	
26	AMITH SAINATH	
27	ASHIK	
28	DINESH KUMAR	
29	LOKESHWARAN	
30	MARIMUTHU	
31	XAVIOR RAJKUMAR	
32	AJITHKUMAR	
33	NAUSHEER	

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

REGISTERD STUDENTS NAME LIST

Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	
1	ALBERT ANTO	
2	ANTONY VIJAY.A	
3	ANTO TENSON	
4	ARUN KRISHNA.M.K	
5	ASHIK	
6	BINU BRISTON.J.C	
7	BONEYNATH.A	
8	HILLER.M	
9	JAYA GANESH.N	
10	JISHNU.K.K	
11	JOSE JOHN	
12	MOHAMED ASHIQ	
13	MOHAMMED THANZEER.K.A	
14	MOHAMMED ASFAR.K	
15	NAGA PRAVEEN.V	
16	NAVEEN KUMAR.S	
17	PRANAV.P	
18	PRINCE PAUL	
19	RAHUL.P.S	

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Department of Automobile Engineering

20	ROHITH KUMAR V.M	
21	VISHNU VIJAYAN	
22	VIVEK THOMAS	
23	ABDUL SALAM	
24	AJMAL	
25	AKHIL	
26	AMITH SAINATH	
27	ASHIK	
28	DINESH KUMAR	
29	LOKESHWARAN	
30	MARIMUTHU	
31	XAVIOR RAJKUMAR	
32	AJITHKUMAR	
33	NAUSHEER	

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Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	REMARKS
1	ABITH KRISHNAN	
2	AHAMED BILAL.A	
3	AJITH.M	
4	ALTHAF	
5	ALTIN JOSEPH	
6	ANAS.K	
7	ARUN JAYA PRAKASH	
8	ARUN KRISHNAN.C	
9	DEEPAK MENON P.K	
10	FAZIL.M.P	
11	GANESH BABU.A	
12	GIRISH KUMAR.S	
13	GOKUL.R	
14	HARI RAM.M	
15	HASEEB .K.T	
16	JAYA KRISHNAN	
17	JOBIN P.JOSE	
18	MANSOOR ALI M.A	
19	MANU P.JOHNSON	
20	MOHAMMED AFINSHA A.P	
21	MOHAMMED SHAFIN	
22	MUNAVAR.P	
23	MUNSHEERUL AHAD.K	
24	NAVEEN SIVADAS	

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25	PADMAKUMAR.V	
26	PRADEEP KUMAR.K	
27	SAJEESHKUMAR.M	
28	SALMAN ASHIQ	
29	SALMANUL FARIS.P.K	
30	SANCHU RAVINDARAN	
31	SARAVANA SRINIVASAN	
32	SATHEESH.E	
33	SATHISH KUMAR.K	
34	SIRAJUDHEEN T.K	
35	SIVARAMALINGAM.S	
36	SUJITH.C	
37	SULFEEK.C.A	
38	SYED THANVEER.A	
39	VENKATESH PRABHU.S	
40	VIKNESVAR.K	
41	VIPIN SAM GEORGE	
42	BENNY.Y	
43	BHARATH.S	
44	GOWTHAM.A.G	
45	KOWSHICK.D	
46	MAGUDESWARAN	
47	RAJEESH.R	
48	RAM KISHORE.D	
49	SHYAM.K	
50	VINEESH WILSON	

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Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	3/6	5/6	6/6	6/6	7/6	7/6	8/6	8/6	9/6	9/6	10/6	10/6	12/6	12/6
1	ABITH KRISHNAN	/	/	/	/	/	a	/	/	/	/	/	a	a	/
2	AHAMED BILAL.A	/	/	/	/	/	/	/	/	a	a	/	/	/	a
3	AJITH.M	a	a	/	/	/	/	/	a	/	/	/	/	/	/
4	ALTHAF	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	ALTIN JOSEPH	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	ANAS.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	ARUN JAYA PRAKASH	/	/	/	a	/	/	/	/	/	/	/	/	/	/
8	ARUN KRISHNAN.C	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	DEEPAK MENON P.K	a	a	/	/	/	/	/	/	/	/	/	/	/	/
10	FAZIL.M.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	GANESH BABU.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	GIRISH KUMAR.S	a	a	a	/	/	/	/	/	/	/	/	/	/	/
13	GOKUL.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	HARI RAM.M	/	/	/	a	/	/	/	/	a	a	/	/	/	/
15	HASEEB .K.T	/	/	/	/	a	/	a	/	/	/	/	/	/	a
16	JAYA KRISHNAN	/	/	/	/	/	/	a	/	/	/	/	/	/	/
17	JOBIN P.JOSE	/	/	/	/	/	/	/	/	/	/	/	a	/	/
18	MANSOOR ALI M.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	MANU P.JOHNSON	/	/	/	/	a	/	/	/	/	/	/	/	/	/
20	MOHAMMED AFINSHA A.P	/	/	/	/	/	/	/	/	a	a	/	/	/	/

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21	MOHAMMED SHAFIN	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	MUNAVAR.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	MUNSHEERUL AHAD.K	/	/	/	a	a	a	/	/	/	/	/	/	/	/
24	NAVEEN SIVADAS	/	/	/	/	/	/	/	/	/	/	/	/	/	a
25	PADMAKUMAR.V	/	/	/	/	/	/	/	/	/	/	/	/	/	a
26	PRADEEP KUMAR.K	a	a	a	/	/	/	/	/	/	/	/	/	/	/
27	SAJEESHKUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	SALMAN ASHIQ	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	SALMANUL FARIS.P.K	/	/	/	/	/	/	a	/	/	/	/	/	/	/
30	SANCHU RAVINDARAN	/	/		/	/	/	/	/	/	/	/	/	/	a
31	SARAVANA SRINIVASAN	a	a	/	/	/	/	/	/	/	/	/	/	/	/
32	SATHEESH.E	a	/	/	/	/	/	/	/	/	/	a	a	/	/
33	SATHISH KUMAR.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	SIRAJUDHEEN T.K	/	/	/	a	/	/	/	/	/	/	/	/	/	/
35	SIVARAMALINGAM.S	/	/	/	/	a	/	/	/	/	/	a	/	/	/
36	SUJITH.C	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	SULFEEK.C.A	/	/	/	/	/	/	a	/	/	/	/	a	/	
38	SYED THANVEER.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	VENKATESH PRABHU.S	/	/	/	/	/	/	a	/	/	/	a	/	/	/
40	VIKNESVAR.K	/	/	/	/	/	/	/	a	/	/	/	/	/	/
41	VIPIN SAM GEORGE	/	/	/	/	/	/	/	/	/	/	/	/	/	a

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Department of Automobile Engineering

42	BENNY.Y	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
43	BHARATH.S	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44	GOWTHAM.A.G	a	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓
45	KOWSHICK.D	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	a
46	MAGUDESWARAN	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	a
47	RAJEESH.R	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓
48	RAM KISHORE.D	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
49	SHYAM.K	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50	VINEESH WILSON	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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COIMBATORE 641 105

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	5/6	5/6	6/6	6/6	7/6	7/6	8/6	8/6	9/6	9/6	10/6	10/6	12/6	12/6
1	ALBERT ANTO	/	/	/	/	/	/	/	/	/	/	/	a	/	/
2	ANTONY VIJAY.A	/	/	/	/	a	a	/	/	/	/	/	/	/	/
3	ANTO TENSON	/	/	/	/	/	/	/	/	/	/	/	a	/	/
4	ARUN KRISHNA.M.K	/	/	a	/	/	/	/	/	/	/	/	/	/	a
5	ASHIK	/	/	/	/	/	a	/	/	/	/	/	a	/	/
6	BINU BRISTON.J.C	/	/	/	/	/	a	/	/	a	/	/	/	/	/
7	BONEYNATH.A	/	/	/	/	/	a	a	a	/	/	/	/	/	/
8	HILLER.M	/	/	/	/	/	/	/	/	/	/	/	a	a	/
9	JAYA GANESH.N	/	/	/	/	/	/	/	/	/	a	a	/	/	/
10	JISHNU.K.K	/	/	/	/	/	/	a	a	a	/	/	/	/	/
11	JOSE JOHN	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	MOHAMED ASHIQ	/	/	/	/	a	/	/	/	/	a	a	/	/	/
13	MOHAMMED THANZEER.K.A	/	/	/	/	a	/	/	/	/	/	/	/	/	/
14	MOHAMMED ASFAR.K	/	/	/	/	/	/	a	/	/	/	/	/	a	/
15	NAGA PRAVEEN.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	NAVEEN KUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	PRANAV.P	/	/	/	/	/	/	/	/	a	a	a	/	/	/
18	PRINCE PAUL	/	/	/	/	/	/	/	/	/	/	/	/	a	a
19	RAHUL.P.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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Department of Automobile Engineering

20	ROHITH KUMAR V.M	/	/	/	/	/	/	/	/	/	/	/	/	/	a	
21	VISHNU VIJAYAN	/	/	/	/	a	/	/	/	/	a	a	/	/	/	
22	VIVEK THOMAS	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
23	ABDUL SALAM	/	/	/	/	/	/	/	/	/	/	/	/	/	a	
24	AJMAL	/	a	/	/	/	/	/	/	/	/	/	/	/	/	
25	AKHIL	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
26	AMITH SAINATH	/	/	/	/	/	/	/	/	/	/	/	a	/	/	
27	ASHIK	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
28	DINESH KUMAR	/	/	/	a	/	/	/	/	/	/	/	/	/	/	
29	LOKESHWARAN	/	/	/	/	a	/	/	/	/	/	/	/	/	/	
30	MARIMUTHU	/	/	/	/	/	/	/	/	/	a	/	/	/	/	
31	XAVIOR RAJKUMAR	a	/	/	/	/	/	/	a	/	a	a	/	/	/	
32	AJITHKUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
33	NAUSHEER	/	/	/	/	/	a	a	/	a	/	/	/	/	/	

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SYLLABUS FOR CATIA

1. Introduction to CATIA
2. The CATIA User Interface
3. Part Design Workflow
4. Sketch Options and Settings
5. Creating and Editing Sketch Curves
6. Part Design
7. Measures and Analysis
8. Building a Product
9. Drafting

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Department of Automobile Engineering

Student Feedback

Name of the Student: Rohit Kumar Sex (M/F): M

Department: Auto E-mail Rohit45@gmail.com

Address: 17/1, Rainbow Street, Kovaipudur mobile 9A8785463

Students are required to rate the courses

Name of the Trainer: Nandhu Krishnan

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback	✓			
10. Overall rating	✓			

Signature of HOD

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms AHAMED BILAL.A has successfully completed the Course on **CATIA MODELING** from 05.06.2017 to 12.06.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms SHYAM.K has successfully completed the Course on **CATIA MODELING** from 05.06.2017 to 12.06.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms MAGUDESWARAN has successfully completed the Course on **CATIA MODELING** from 05.06.2017 to 12.06.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

TÜV AUSTRIA CERTIFIED

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms GANESH BABU.A has successfully completed the Course on **CATIA MODELING** from 05.06.2017 to 12.06.2017. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms AHAMED BILAL.A has successfully completed the Course on **CATIA MODELING** from 05.06.2017 to 12.06.2017. His performance during this training period was Very Good.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641105

08/11/2016

From

A.Kumar
Professor And Head,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting training course on 'GEOGRAPHICAL INFORMATION SYSTEM (GIS)" - Reg.

In our Civil Engineering department, we are planned to conduct the course on "GEOGRAPHICAL INFORMATION SYSTEM" for our third year fifth semester civil engineering students during the holidays in between 12/12/2016 to 19/12/2016. Hence I request you to kindly provide the permission for conducting the above course.

Thanking you,

Yours Sincerely,

(Kumar.A)

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PICHANUR, COIMBATORE-641105

GEOGRAPHICAL INFORMATION SYSTEM (GIS)

COURSE SYLLABUS

DURATION :42 HOURS (6 DAYS)

This course introduces the concepts and components of a geographic information system (GIS).

COURSE OBJECTIVES:

- To teach the principles and applications of remote sensing, GPS and GIS.
- At the end of the course, the student will appreciate the importance of remote sensing and GIS.n water resources.

COURSE OUTCOMES

1. Expertise in digital image processing
2. Good exposure to the Global positioning system in real time data processing
3. Potential of Geographical Information System
4. Data integration between Satellite data, GPS and GIS in Decision Making

COURSE CONTENTS:

1. Registration of spatial data
2. GPS- Mapping-Transformation
3. Different data format
4. Creating spatial data- Attribute entry- spatial analysis
5. Reclassification
6. Over lay analysis
7. Interpolation
8. Digital Elevation Model.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

STUDENTS NAME LIST

Course : GIS
Batch : 2014
Duration : 12/12/2016 to 19/12/2016

Year/Semester: III/V
Academic year: 2016 - 2017
Total hours : 42 Hours

1	720914103001	AJITH KUMAR.R
2	720914103002	ANISH JEBARAJ.A
3	720914103004	ARUN KUMAR.V
4	720914103005	ARUN KUMAR.S
5	720914103006	DANESH.S
6	720914103007	DEVIPRIYA.M
7	720914103008	HARISESHAN.U
8	720914103009	KALAIMANI.M
9	720914103010	MANIKANDAN.K
10	720914103011	MOHAMMED MOOSA.S
11	720914103012	MOHAMED THAMIMUL ANSARI.S
12	720914103013	MOHAMMED ASLAM
13	720914103014	MOHAMMED MUBASHEER.K
14	720914103015	MOHAMMED NIYAS.V.P
15	720914103016	PRABAVATHI.M
16	720914103017	PRASEELA PRASANTH
17	720914103018	RAGUNATH.M
18	720914103019	RAJAMANI.R
19	720914103020	RAMEEZ.K
20	720914103025	SHYAM PRAKASH.S
21	720914103026	SILAMBARASAN.S
22	720914103027	SMITH KELVIN.S
23	720914103031	UMA.A
24	720914103032	VISHNU DHARSAN.N
25	720914103302	HARIKRISHNAN U
26	720914103303	JUSTINSAM
27	720914103304	KAVIYARASAN V
28	720914103305	LIYAPHILIP
29	720914103306	MOHAMMED IRSHAD K
30	720914103307	RANJITH KUMAR S
31	720914103308	SURESH G
32	720914103701	ABUL HARITH

Course Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

TIME TABLE

COURSE : GEOGRAPHICAL INFORMATION SYSTEM

Sl.No.	DATE	FORENOON				AFTERNOON		
		9.00am-10.45am	10.45am – 11.00am	11.00am – 12.45.pm	12.45pm – 1.30pm	1.30pm – 3.15pm	3.15pm – 3.30pm	3.30pm – 5.15pm
1	12/12/2016	Theory Session	Break	Theory Session		Practical Session		Practical Session
2	13/12/2016	Theory Session		Theory Session	Lunch Break	Practical Session	Break	Practical Session
3	14/12/2016	Theory Session		Theory Session		Practical Session		Practical Session
4	15/12/2016	Theory Session		Theory Session		Practical Session		Practical Session
5	16/12/2016	Theory Session		Theory Session		Practical Session		Practical Session
6	19/12/2016	Theory Session		Theory Session		Practical Session		Practical Session

Co-ordinator

For HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Students Attendance

Course : GIS

Class : IIIYear / Vth Semester

S.NO	REG.NO	STUDENTS NAME	DATE											
			12-12-2016		13/12/2016		14/12/2016		15/12/2016		16/12/2016		19/12/2016	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720914103001	AJITH KUMAR.R	/	/	/	/	/	/	/	/	/	/	/	/
2	720914103002	ANISH JEBARAJ.A	/	/	/	/	/	/	/	/	/	/	/	a
3	720914103004	ARUN KUMAR.V	/	/	/	/	/	/	/	/	/	/	/	/
4	720914103005	ARUN KUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/
5	720914103006	DANESH.S	/	/	a	/	/	/	/	/	/	/	/	/
6	720914103007	DEVIPRIYA.M	/	/	/	/	/	/	/	/	/	/	/	/
7	720914103008	HARISESHAN.U	/	/	/	/	/	/	/	/	/	/	/	/
8	720914103009	KALAIMANI.M	/	/	/	/	/	/	/	/	/	a	/	/
9	720914103010	MANIKANDAN.K	/	/	/	/	/	a	/	/	/	/	/	/
10	720914103011	MOHAMMED MOOSA.S	/	/	/	/	/	/	/	/	/	/	/	/
11	720914103012	MOHAMED THAMIMUL ANSARI.S	/	/	/	/	/	/	/	/	/	/	/	/
12	720914103013	MOHAMMED ASLAM	/	/	/	/	/	/	/	/	/	/	/	/
13	720914103014	MOHAMMED MUBASHEER.K	/	/	/	/	/	/	/	a	/	/	/	/
14	720914103015	MOHAMMED NIYAS.V.P	/	/	/	/	/	/	/	/	/	/	/	/
15	720914103016	PRABAVATHI.M	/	/	/	/	/	/	/	/	/	/	/	/
16	720914103017	PRASEELA PRASANTH	/	/	/	a	/	/	/	/	/	/	/	/
17	720914103018	RAGUNATH.M	/	/	/	/	/	/	/	/	/	/	/	/
18	720914103019	RAJAMANI.R	/	/	/	/	/	/	/	/	/	/	/	/
19	720914103020	RAMEEZ.K	/	/	/	/	/	/	/	/	/	/	/	/
20	720914103025	SHYAM PRAKASH.S	a	/	/	/	/	/	/	/	/	/	/	/
21	720914103026	SILAMBARASAN.S	/	/	/	/	/	/	/	/	/	/	/	/
22	720914103027	SMITH KELVIN.S	/	/	/	/	/	/	a	/	/	/	/	/
23	720914103031	UMA.A	/	/	/	/	/	/	/	/	/	/	/	/
24	720914103032	VISHNU DHARSAN.N	/	/	/	/	/	/	/	/	/	/	/	/
25	720914103302	HARIKRISHNAN U	/	/	/	/	/	/	/	/	/	/	/	/
26	720914103303	JUSTINSAM	/	/	/	/	/	/	/	/	/	/	/	/
27	720914103304	KAVIYARASAN V	/	/	/	/	/	/	/	/	/	/	/	/
28	720914103305	LIYAPHILIP	/	/	/	/	/	/	/	/	/	/	/	/
29	720914103306	MOHAMMED IRSHAD K	/	/	/	/	/	/	/	/	/	/	/	/
30	720914103307	RANJITH KUMAR S	/	/	/	/	/	/	/	/	/	/	/	/
31	720914103308	SURESH G	/	/	/	/	/	/	/	/	/	/	/	/
32	720914103701	ABUL HARITH	/	/	/	/	/	/	/	/	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms DEVIPRIYA.M has successfully completed the training course on *GIS* during 12/12/2016 to 19/12/2016 conducted by the department of Civil Engineering in the academic year 2016-17..

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR | HEAD OF THE DEPARTMENT | PRINCIPAL

DATE OF ISSUE : 24/12/2016

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. MOHAMMED NIYAS.V.P has successfully completed the training course on *GIS* during 12/12/2016 to 19/12/2016 conducted by the department of Civil Engineering in the academic year 2016-17..

COURSE COORDINATOR | HEAD OF THE DEPARTMENT | PRINCIPAL

DATE OF ISSUE : 24/12/2016

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. SHYAM PRAKASH.S has successfully completed the training course on *GIS* during 12/12/2016 to 19/12/2016 conducted by the department of Civil Engineering in the academic year 2016-17..

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

DATE OF ISSUE : 24/12/2016

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. AJITH KUMAR.R has successfully completed the training course on *GIS* during 12/12/2016 to 19/12/2016 conducted by the department of Civil Engineering in the academic year 2016-17.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

DATE OF ISSUE : 24/12/2016

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641 105.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ANISH JEBARAJ.A has successfully completed the training course on *GIS* during 12/12/2016 to 19/12/2016 conducted by the department of Civil Engineering in the academic year 2016-17..

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

DATE OF ISSUE : 24/12/2016

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Training Evaluation Form

Title of event: GIS

Date of event: 19-12-16

Location of event: COMPUTER LAB

Instructions: Please tick your level of agreement with the statements listed below	Strongly Agree	Agree	Disagree	Strongly Disagree	Not relevant to this event
1.The objectives of the training were met	✓				
2.The presenters were engaging	✓				
3.The presentation materials were relevant	✓				
4.The content of the course was organised and easy to follow	✓				
5.The trainers were well prepared and able to answer any questions		✓			
6.The course length was appropriate	✓				
7. The pace of the course was appropriate to the content and attendees		✓			
8.The exercises/role play were helpful and relevant		✓			
9.The venue was appropriate for the event		✓			

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10. What was most useful?

11. What was least useful?

12. What else would you like to see included in this event?Are there any other topics that you wouldlike to be offered training courses in?

13. Would you recommend this course to colleagues? Yes/No Why?

Yes, this training is need for every students.

14. Any other comments?

No.

THANK YOU FOR COMPLETING THIS EVALUATION FORM. FEEDBACK RECEIVED WILL BE USED TO PROVIDE IMPROVEMENTS TO FUTURE EVENTS.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE – 641105

05/05/2017

From

Head of the Department,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub: Requesting permission for conducting course on 'REVIT ARCHITECTURE"- Reg.

In the Department of Civil Engineering, we are planned to conduct the course on "REVIT ARCHITECTURE' for our final year seventh semester students during the semester holidays between 12/06/2017 to 19/06/2017. Herewith the syllabus of course is attached for your approval also. I assured the contents are beyond from our curriculum. I request you to do the needful for conducting the course.

Thanking you,

Yours truly,

(A.KUMAR)

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

REVIT ARCHITECTURE

COURSE SYLLABUS

DURATION :42 HOURS (6 DAYS)

This training course is designed to teach and focuses on basic tools that the majority of users need.

COURSE OBJECTIVE:

To enable students to create full 3D architectural project models and set them up in working drawings.

COURSE CONTENTS:

- Introduction
- Basics
- Working With Project
- Modelling Walls, Doors And Windows
- Linking In Revit
- Modelling Roof, Ceiling & Floor
- Working With Stairs
- Working With Complex Walls
- Views, Visibility & Graphic Controls
- Working With Rooms
- Documentation
- Annotations
- Detailing
- Plotting

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641105

TIME TABLE

COURSE : REVIT ARCHITECTURE
Total Hours : 42 Hrs

CLASS : final Year / VIIth Semester
DURATION : 12/06/2017 to 19/06/2017

Sl.No.	DATE	FORENOON				AFTERNOON		
		9.00am-10.45am	10.45am – 11.00am	11.00am – 12.45.pm	12.45pm – 1.30pm	1.30pm – 3.15pm	3.15pm – 3.30pm	3.30pm – 5.15pm
1	12/06/2017	Theory - 1	Break	Practical -1	Lunch Break	Theory - 2	Break	Practical - 2
2	13/06/2017	Theory - 3		Practical -3		Theory - 4		Practical -4
3	14/06/2017	Theory - 5		Practical -5		Theory - 6		Practical -6
4	15/06/2017	Theory - 7		Practical -7		Theory - 8		Practical -8
5	16/06/2017	Theory - 9		Practical -9		Theory - 10		Practical -10
6	19/06/2017	Practical Project work		Practical Project work		Practical Project work		Practical Project work

Co-ordinator

For HOD/Civil

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

STUDENTS NAME LIST

Course : REVIT ARCHITECTURE
Year/Semester : IV/VII
Batch : 2013
Academic year : 2016 - 2017
Duration : 12/06/2017 to 19/06/2017
Total Contact hours : 42 Hours

S.NO	REG.NO	STUDENTS NAME
1	720913103001	ABDUL AFEED T K
2	720913103002	ABDUL NAUFAL P B
3	720913103003	ABDUL NAZAR P K
4	720913103004	AJAY C P
5	720913103005	AMAL M P
6	720913103007	ANEES PRADEEPA A
7	720913103008	ANJANA K
8	720913103009	ARJUNAN N
9	720913103010	ARUL PRAKASH R
10	720913103011	ARUN A
11	720913103012	ARUN K
12	720913103013	ARUN RAJ K
13	720913103014	ASHIQ P T
14	720913103015	ASNA H
15	720913103016	AZHARUDHEEN K
16	720913103017	BALAKRISHNAN N
17	720913103020	GOKUL K
18	720913103021	GUNABALA G
19	720913103022	HARIPRIYA N
20	720913103024	JASINIYA P
21	720913103025	JEYON GEORGE
22	720913103026	JISHNU P

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23	720913103027	JITHIN P
24	720913103028	KARTHICK R
25	720913103029	KATHIRAVAN R
26	720913103030	KEERTHI S
27	720913103031	MANU R
28	720913103032	MITHUN C
29	720913103042	PERINBASAGARAN S
30	720913103043	PREEJITH C P
31	720913103044	PREETHA G
32	720913103045	PRIYA R
33	720913103046	RAJESH KANNA M
34	720913103047	RANJITH E
35	720913103048	RAVINA V
36	720913103049	REVANTH M
37	720913103050	SANGESH J
38	720913103053	SHANTY E S
39	720913103054	SREE RANJINI S
40	720913103055	SUBIN ABRAHAM
41	720913103056	SURESH KUMAR A
42	720913103057	VADIVEL C
43	720913103058	VARUN PRASAD A K
44	720913103059	VENGADESAN V
45	720913103301	HARITHA K.B
46	720913103302	KALAISELVAN A
47	720913103303	KRISHNA PRASAD K.P
48	720913103304	MIDHUN C
49	720913103306	SENTHUR PANDI J
50	720913103307	SHIBINA.M.K
51	720913103308	VIGNESHWARAN.V
52	720913103701	ARUNDHATHY NAIR
53	720913103702	SAHALA.C

Course Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Students Attendance

Course : REVIT ARCHITECTURE
Class : IVYear / VIIth Semester

S.NO	REG.NO	STUDENTS NAME	DATE											
			06-12-2017		13/06/2017		14/06/2017		15/06/2017		16/06/2017		19/06/2017	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720913103001	ABDUL AFEED T K												
2	720913103002	ABDUL NAUFAL P B												
3	720913103003	ABDUL NAZAR P K												
4	720913103004	AJAY C P												
5	720913103005	AMAL M P												
6	720913103007	ANEES PRADEEPA A												
7	720913103008	ANJANA K												
8	720913103009	ARJUNAN N												
9	720913103010	ARUL PRAKASH R												
10	720913103011	ARUN A												
11	720913103012	ARUN K												
12	720913103013	ARUN RAJ K												
13	720913103014	ASHIQ P T												
14	720913103015	ASNA H												
15	720913103016	AZHARUDHEEN K												
16	720913103017	BALAKRISHNAN N												
17	720913103020	GOKUL K												
18	720913103021	GUNABALA G												
19	720913103022	HARIPRIYA N												
20	720913103024	JASINIYA P												
21	720913103025	JEYON GEORGE												
22	720913103026	JISHNU P												
23	720913103027	JITHIN P												
24	720913103028	KARTHICK R												
25	720913103029	KATHIRAVAN R												
26	720913103030	KEERTHI S												
27	720913103031	MANU R												
28	720913103032	MITHUN C												
29	720913103042	PERINBASAGARAN S												
30	720913103043	PREEJITH C P												
31	720913103044	PREETHA G												

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32	720913103045	PRIYA R														
33	720913103046	RAJESH KANNA M														
34	720913103047	RANJITH E														
35	720913103048	RAVINA V														
36	720913103049	REVANTH M														
37	720913103050	SANGESH J														
38	720913103053	SHANTY E S														
39	720913103054	SREE RANJINI S														
40	720913103055	SUBIN ABRAHAM														
41	720913103056	SURESH KUMAR A														
42	720913103057	VADIVEL C														
43	720913103058	VARUN PRASAD A K														
44	720913103059	VENGADESAN V														
45	720913103301	HARITHA K.B														
46	720913103302	KALAISELVAN A														
47	720913103303	KRISHNA PRASAD K.P														
48	720913103304	MIDHUN C														
49	720913103306	SENTHUR PANDI J														
50	720913103307	SHIBINA.M.K														
51	720913103308	VIGNESHWARAN.V														
52	720913103701	ARUNDHATHY NAIR														
53	720913103702	SAHALA.C														

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ABDUL NAZAR P K (720913103003) has successfully completed the training course on *REVIT ARCHITECTURE* during 12/06/2017 to 19/06/2017 conducted by the department of Civil Engineering.

Date: 19/06/2017

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. AJAY C P (720913103004) has successfully completed the training course on *REVIT ARCHITECTURE* during 12/06/2017 to 19/06/2017 conducted by the department of Civil Engineering.

Date: 19/06/2017

Head of Civil
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. AMAL M P (720913103005) has successfully completed the training course on *REVIT ARCHITECTURE* during 12/06/2017 to 19/06/2017 conducted by the department of Civil Engineering.

Date: 19/06/2017

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ABDUL AFEED T K (720913103001) has successfully completed the training course on *REVIT ARCHITECTURE* during 12/06/2017 to 19/06/2017 conducted by the department of Civil Engineering.

Date: 19/06/2017

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ABDUL NAUFAL P B (720913103002) has successfully completed the training course on *REVIT ARCHITECTURE* during 12/06/2017 to 19/06/2017 conducted by the department of Civil Engineering.

Date: 19/06/2017

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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Instructions: Please tick your level of agreement with the statements listed below	Strongly Agree	Agree	Disagree	Strongly Disagree	Not releva to this eve
1.The objectives of the training were met	✓				
2.The presenters were engaging	✓				
3.The presentation materials were relevant	✓				
4.The content of the course was organised and easy to follow	✓				
5.The trainers were well prepared and able to answer any questions		✓			
6.The course length was appropriate	✓				
7. The pace of the course was appropriate to the content and attendees		✓			
8.The exercises/role play were helpful and relevant		✓			
9.The venue was appropriate for the event		✓			

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10. What was most useful?

11. What was least useful?

12. What else would you like to see included in this event?Are there any other topics that you wouldlike to be offered training courses in?

13. Would you recommend this course to colleagues? Yes/No Why?

Yes, this training is need for every students.

14. Any other comments?

No.

THANK YOU FOR COMPLETING THIS EVALUATION FORM. FEEDBACK RECEIVED WILL BE USED TO PROVIDE IMPROVEMENTS TO FUTURE EVENTS.

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From

Dr.V.J.Arulkarthik,
Prof & Head,
Department of Electronics and communication engineering,
JCT College of Engineering and Technology,
Coimbatore-641105 ,

To

The principal ,
JCT college of Engineering and Technology,
Pichanur , Coimbatore .

Respected sir,
Subject: Regard the permission for conducting an value added course

We would like to bring your kind notice that we the department of ECE is in need of Certificate course on the topic "**software training**" for III/IV year students during from 20/06/2017 to 28/06/2017.

Date: 21/04/2017
Place: Pichanur

Yours Faithfully,

Dr.V.J.Arul karthik

(HOD/ECE)

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

Department of Electronics and Communication Engineering

CIRCULAR

21/04/2017

We are planning to conduct a four days certificate course on "**software training**" from 20/06/2017 to 28/06/2017 in our department. So we kindly request all the students to participate in this course and update your technical knowledge.

HOD-ECE

Circulation to:

- To be displayed on Notice Board.
- Ece class rooms

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SOFTWARE TRAINING COURSE OUTLINE

DAY	CONTENT
DAY 1	**verview of the Software** What is Software? Software Technologies What is Web Application Web Application Technologies Summary **Softwre Testing Life Cycle - (STLC)** Understand Requirement Create Test Cases Manual Testing Automation Testing Test Report Summary
DAY 2	**Software requirements specification - (SRS)** What is SRS Finding gap in SRS How to Write a Test Plan from SRS Document How to test software requirements specification (SRS)? Review SRS Document and Create Test Scenarios Summary
DAY 3	**Bug Tracking Tool** Use of bug tracking tool Bug Gennie Bug Zilla Jira Summary
DAY 4	**Manual Testing** Writing test scenarios Test planning Test case design Test data identification Reviewing and Execution of Test cases/scripts Summary **Automation Testing** Selenium QTP Summary

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DAY 5	**Functional Testing** Unit Testing Integration Testing System Testing Regression Testing Acceptance Testing Summary
DAY 6	**Non-Functional Testing** Performance Testing Load Testing Usability Testing Security Testing Portability Testing Summary
DAY 7	**Live Project** Getting customer's requirements Creating SRS Creating Test Plan Test Plan Execution Reports Summary

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

List of Skill Development Programme (Placement Training, Soft Skill Training)

Academic Year: 2016 - 2017

S.No	Name of the Student	Year / Semester	Duration	Name of the Programme	Resource Person and Name of the Institution/Organization
1	ABILASH A	III/VI	20.06.17 to 24.06.17	Software training	Mr.P.K.AMARNATH AVATAR ACADEMY-ERODE
2	ABINAYA R				
3	ABIND S				
4	AFIYA P P				
5	AKHILDEV K				
6	ANAGHA N				
7	ANANDHI A				
8	ANATHAKRISHNAN GOKUL				
9	ANISH C A				
10	ANSON V ANTO				
11	ANTONY PAUL RICHARD J				
12	ANUSUYAA P				
13	BHARATH M R				
14	BHARATHI K				
15	CHITHIRA SUKUMARAN				
16	CHRISTY VIMALA J				
17	EBY MATHEW				
18	FASALHAQ P S				
19	GANGADEVI B				
20	GAYATHRI H				
21	GOKUL K				
22	JAMSHIYA BEEGUM P				
23	JISHNU T S				
24	KISHORE K				
25	MADHUSOODANAN K.A				
26	MAHALAKSHMI S				
27	MOHAMED THOUFIQ S				
28	MOHAMMED ASHIQ V				
29	NAHOMI D				
30	NEETHU P P				

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31	NITHYA N				
32	PRAJAY P				
33	RANJITHA R				
34	REVATHY R				
35	ROJIN VARGHESE				
36	SAMEERA BANU A				
37	SURAJ VARMA M				
38	UPPILI D				
39	VIJI S				
40	VINODHINI M				
41	VIPIN N R				
42	AJAI.S				
43	DEEPA.R				
44	NITHIN.S				
45	PRANESH J MENON				
46	PRINCI.A				
47	SANTHOSH KUMAR.K				
48	SHIJU J				
49	VISHNU SASI.M				
50	VEENA.R				
51	DHANALAKSHMI A				
52	ARUN S				

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

TÜV AUSTRIA

S.No	Name of the Student	20/06/17	21/06/17	22/06/17	23/06/17	26/06/17	27/06/17	28/06/17
1	ABILASH A	P	P	P	P	P	P	P
2	ABINAYA R	P	P	P	P	P	P	P
3	ABIND S	P	A	P	P	P	P	P
4	AFIYA P P	P	P	P	P	P	P	P
5	AKHILDEV K	P	A	P	P	P	P	P
6	ANAGHA N	P	P	P	P	P	P	P
7	ANANDHA	P	P	P	P	P	P	P
8	ANATHAKRISHNAN GOKUL	P	P	P	P	P	A	A
9	ANISH C A	P	P	P	P	P	P	P
10	ANSON V ANTO	P	P	P	P	P	P	P
11	ANTONY PAUL RICHARD J	P	P	P	P	P	P	A
12	ANUSUYA L P	P	P	P	P	P	P	P
13	BHARATHI M R	P	P	P	P	P	P	P
14	BHARATHI K	P	P	P	P	P	P	P
15	CHITHRA SUKUMARAN	P	P	P	P	P	P	P
16	CHRISTY VIMALA J	P	P	P	A	P	P	P
17	EBY MATHEW	P	P	P	P	P	P	P

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18	FASALUHAQ P S	P	P	P	P	P	P	P
19	GANGADEVI B	P	P	P	P	P	P	P
20	GAYATHRI H	P	P	P	P	A	P	P
21	GOKUL K	P	P	P	P	P	P	P
22	JAMSHIYA BEEGUM P	P	P	P	P	P	P	P
23	JISHNU T S	P	P	P	P	P	P	P
24	KISHORE K	P	P	P	P	P	P	P
25	MADHUSOODANAN K.A	P	P	P	P	P	P	P
26	MAHALAKSHMI S	P	P	P	P	P	P	P
27	MOHAMED THOUFIQ S	P	P	P	P	P	P	P
28	MOHAMMED ASHIQ V	P	P	P	P	P	P	P
29	NAHOMI D	P	A	P	P	P	P	P
30	NEETHU P P	P	P	A	P	P	P	P
31	NITHYA N	P	P	P	P	P	P	P
32	PRAJAY P	P	P	P	P	P	P	P
33	RANJITHA R	P	P	P	P	P	P	P
34	REVATHY R	P	P	P	P	P	P	P
35	ROJIN VARGHESE	P	P	P	P	P	P	P
36	SAMEERA BANU A	P	P	P	P	P	P	P
37	SURAJ VARMA M	P	P	P	P	P	A	P
38	UPPILI D	P	P	P	P	P	P	P
39	VIJI S	P	P	P	P	P	P	P

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40	VINODHINI M	P	P	P	P	P	P	P
41	VIPIN N R	P	P	P	P	P	P	P
42	AJALS	P	P	P	P	P	P	P
43	DEEPA R	P	P	P	P	P	P	P
44	NITHIN S	P	P	P	P	P	P	P
45	PRANESHU MENON	P	P	P	P	P	P	P
46	PRINCIA	P	A	P	P	P	P	P
47	SANTHOSH KUMAR K	P	P	P	P	P	P	P
48	SHIJU J	P	P	P	P	P	P	P
49	VISHNU SASI M	P	P	P	P	P	P	A
50	VEENA R	P	P	P	P	P	P	P
51	DHANALAKSHMI A	P	P	P	P	P	P	P
52	ARUN S	P	P	P	P	P	P	P

PRINCIPAL

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AVATAR ACADEMY

Networking & Security Technology

CERTIFICATE OF COMPLETION

This is to certify that

ABINDH. S

Has successfully completed the Educational Course during **20.06.16 to 28.06.16** on topic "SOFTWARE TRAINING" at JCT College of Engineering and Technology, Pichanur ,Coimbatore.

Operations Head & Consultant

(Prof.P.K.Amarnath)

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Engage Your Knowledge Connection

AVATAR ACADEMY

Networking & Security Technology

CERTIFICATE OF COMPLETION

This is to certify that

NEETHU. P.P

Has successfully completed the Educational Course during **20.06.16 to 28.06.16** on topic **"SOFTWARE TRAINING"** at JCT College of Engineering and Technology, Pichanur ,Coimbatore.

Operations Head & Consultant

(Prof.P.K.Amarnath)

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AVATAR ACADEMY

Networking & Security Technology

CERTIFICATE OF COMPLETION

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Neethu. P. P

Has successfully completed the Educational Course during **20.06.16 to 28.06.16** on topic "**SOFTWARE TRAINING**" at JCT College of Engineering and Technology, Pichanur ,Coimbatore.

Operations Head & Consultant

(Prof.P.K.Amarnath)

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JCT College of Engineering and Technology

FEED BACK FORM

Course tittle : Software Training

Name of the Institution/Industry: Avatar Academy

Date Attended: 20/06/17

Student Name: Nithiya. N

Year &Sem: IV / VII

Please select the rating for the each section based on the following criteria:

5=Excellent 4=good 3=average 2=fair 1=poor

Please rate the trainer(S) on the following:	
1. Knowledge of the subject matter.	(5) 4 3 2 1
2. Ability to explain and illustrate concepts.	(5) 4 3 2 1
3. Ability to answer questions completely.	5 4 (3) 2 1
Please rate the content and structure of the training:	
4 .The usefulness of the information	5 (4) 3 2 1
5. The structure of the course session(s).	5 (4) 3 2 1
6. The pace of the course session (s).	5 (4) 3 2 1
7. The convenience of the course schedule.	5 4 (3) 2 1
8. The usefulness of the course materials.	5 4 (3) 2 1
9. Was this course appropriate for your Level of experience?	(5) 4 3 2 1

If you said 'NO" to #9, please explain:

COORDINATOR

HOD

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JCT COLEGE OF ENGINEERING & TECHNOLOGY
PICHANUR,COIMBATORE-641 105
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ADDON COURSE TIME TABLE
(5 saturdays)

DATE	FN		AN
21/1/2017	**session 1 (introduction about xilinx)**	LUNCH	session 2 simulation tool
28/1/2017	session 3 circuit testing		session 4 create new source
11/2/2017	session 5 simulating test bench		session 6 verilog
25/2/2017	session 7 symbol creation		session 8 simulation
11/3/2017	project		project

CO-ORDINATOR

HOD

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JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

From,

DATE 16-01-2017

D.Ashok Kumar,
Assistant professor,
Department of mechanical engineering,
JCT College of engineering andtechnology,
Coimbatore-641105.

To,

The principal,
JCT College of engineering and technology,
Coimbatore- 641105.

Sir,

Sub: permission of conducting Certificate Course on "ADVANCED METROLOGY TRAINING" reg.

We have planned to conduct a Certificate Course on ADVANCED METROLOGY TRAINING in academic year 2016-2017 for III year of Mechanical Department. We request you to grant us permission to conduct the course.

Thank you

Coordinators

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JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

HoD/Mech

JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

16-17 (2)

Department Of Mechanical Engineering

Date:23-01-2017

CIRCULAR

As we are going to conduct a CERTIFICATE COURSE on "ADVANCED METROLOGY TRAINING" from 01-02-2017 to 08-02-2017.Interested students are requested to enrol their names to program coordinator within two days.

HoD/Mechanical

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Pichanur, Coimbatore - 641105

JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department of Mechanical Engineering

ADVANCED METROLOGY TRAINING

PROGRAM SCHEDULE01-02-2017 to 07-02-2017

Sno	Date	Session	Timing	Topic	Instructor
1.	01-02-2017	I	09:00 AM to 10:45 AM	Standards of Measurements	**MR. D.JOSLIN VIJAYA**
2.			10:45 AM to 11:00 AM	TEA BREAK	
3.		II	11:00 AM to 01:00 PM	Definition of Metrology,Objectives of Metrology	**MR. D.JOSLIN VIJAYA**
4.			01:00 PM to 01:45 PM	LUNCH BREAK	
5.		III	01:45 PM to 03:45 PM	Types of standard,Standardization and standardizing organizations	**DR.S.GOSHTEESWARAN**
6.			03:45 PM to 04:00 PM	TEA BREAK	
7.		IV	04:00 PM to 05:00 PM	Linear Measurement,Combination Set,Gauges	**MR.D.ASHOK KUMAR**
8.	02-02-2017	I	09:00 AM to 10:45 AM	VernierCaliper,Micrometer	**MR.N.S.VIJAY KUMAR**
9.			10:45 AM to 11:00 AM	TEA BREAK	
10.		II	11:00 AM to 01:00 PM	Dial Indicators	**PRABAHAR J**
11.			01:00 PM to 01:45 PM	LUNCH BREAK	
12.		III	01:45 PM to 03:45 PM	Working Mechanism of Dial Indicator,Types of Indicators	**MR. D.JOSLIN VIJAYA**
13.			03:45 PM to 04:00 PM	TEA BREAK	

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14.		IV	04:00 PM to 05:00 PM	Limit, Fit & Tolerance,Accuracy and Precision	DR.G.RAMESH
15.	03-02-2017	I	09:00 AM to 10:45 AM	Types of Fit,Types of Tolerance	DR.G.RAMESH
16.			10:45 AM to 11:00 AM	TEA BREAK	
17.		II	11:00 AM to 01:00 PM	ISO representation of holes and shafts	MR.D.ASHOK KUMAR
18.			01:00 PM to 01:45 PM	LUNCH BREAK	
19.		III	01:45 PM to 03:45 PM	Geometric dimensioning and Tolerancing	MR. D.JOSLIN VIJAYA
20.			03:45 PM to 04:00 PM	TEA BREAK	
21.		IV	04:00 PM to 05:00 PM	Symbols	MR. K.KARTHIK
22.	04-02-2017	I	09:00 AM to 10:45 AM	Surface Texture,Terminology of surface finish	DR.G.RAMESH
23.			10:45 AM to 11:00 AM	TEA BREAK	
24.		II	11:00 AM to 01:00 PM	Factors affecting surface roughness,Surface irregularity	PRABAHAR J
25.			01:00 PM to 01:45 PM	LUNCH BREAK	
26.		III	01:45 PM to 03:45 PM	Indication of surface texture,Indication of surface roughness	DR.S.GOSHTEESWARAN
27.			03:45 PM to 04:00 PM	TEA BREAK	
28.		IV	04:00 PM to 05:00 PM	Representation of surface finish	DR.S.GOSHTEESWARAN
29.	05-02-2017	I	09:00 AM to 10:45 AM	Measuring surface roughness,CLA & RMS method	DR.S.GOSHTEESWARAN
30.			10:45 AM to 11:00 AM	TEA BREAK	
31.		II	11:00 AM to 01:00 PM	Profile Projector,Working procedure	MR.N.S.VIJAY KUMAR
32.			01:00 PM to 01:45 PM	LUNCH BREAK	

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33.		III	01:45 PM to 03:45 PM	Co-ordinate Measuring Machine (CMM)	**DR.G.RAMESH**
34.			03:45 PM to 04:00 PM	TEA BREAK	
35.		IV	04:00 PM to 05:00 PM	Quality Control and Quality Assurance	**MR.N.S.VIJAY KUMAR**
36.		I	09:00 AM to 10:45 AM	Testing and Calibration	**MR.N.S.VIJAY KUMAR**
37.			10:45 AM to 11:00 AM	TEA BREAK	
38.		II	11:00 AM to 01:00 PM	Calibration of Linear measuring instruments	**MR. D.JOSLIN VIJAYA**
39.	06-02-2017		01:00 PM to 01:45 PM	LUNCH BREAK	
40.		III	01:45 PM to 03:45 PM	Calibration of Angular measuring instruments	**MR. D.JOSLIN VIJAYA**
41.			03:45 PM to 04:00 PM	TEA BREAK	
42.		IV	04:00 PM to 05:00 PM	Quality Policy	**MR.D.ASHOK KUMAR**
43.		I	09:00 AM to 10:45 AM	Quality Planning	**MR. K.KARTHIK**
44.			10:45 AM to 11:00 AM	TEA BREAK	
45.		II	11:00 AM to 01:00 PM	Calibration Chart	**MR. K.KARTHIK**
46.	07-02-2017		01:00 PM to 01:45 PM	LUNCH BREAK	
47.		III	01:45 PM to 03:45 PM	Feedback from students	
48.			03:45 PM to 04:00 PM	TEA BREAK	
49.		IV	04:00 PM to 05:00 PM	Vote of thanks	

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JCT COLLEGE OF TECHNOLOGY, PICHANUR, COIMBATORE
DEPARTMENT OF MECHANICAL ENGINEERING
"ADVANCED METROLOGY TRAINING"
Registered student List

S.No	Reg.no	Name of the student
1.	720914114001	AADHIL M
2.	720914114002	ABHIJITH A T
3.	720914114003	AJAY KUMAR M S
4.	720914114004	AJITHKUMAR K
5.	720914114005	AJMAL K
6.	720914114008	AKSHAY G
7.	720914114009	ALBERT JOHNY
8.	720914114009	ALBERT JOHNY
9.	720914114010	ALEXANDER B S
10.	720914114011	ANANDA RAJ S
11.	720914114012	ANAS A
12.	720914114014	ANIL V
13.	720914114015	ASHLIN C V
14.	720914114016	ASHRAF N A
15.	720914114017	ASHWIN ARUN
16.	720914114018	AZHAGUMADASAMY M
17.	720914114019	BALA SATHISHKUMAR P
18.	720915114505	BALU K
19.	720914114021	BASKAR S
20.	720914114022	BENCIN C BENNY
21.	720914114023	BINTO C BENNY
22.	720914114024	CHANDRA MOHAN R
23.	720914114025	CHINGITH R
24.	720914114026	DINESH KUMAR G
25.	720914114027	DINESH KUMAR J
26.	720914114029	DONALD TITUS P
27.	720914114030	ELDHOSE BABY
28.	720914114031	GANESAN K
29.	720914114033	GOKUL RAJ P J
30.	720914114034	GOKUL RAJ V C
31.	720914114035	GOPALA KRISHNAN G
32.	720914114036	GOWTHAM C
33.	720914114038	HASHIR ALI K
34.	720914114039	HRUTHWIN M
35.	720914114040	JAYARAM S
36.	720914114301	ABIN.C.MATHEW
37.	720914114302	ABINDRA.C
38.	720914114303	AKHIL JACOB
39.	720914114305	ARUNKUMAR.B
40.	720914114306	DHEERAJ P V
41.	720914114307	JAGADEESH KUMAR.V
42.	720914114309	JERRY GEORGE
43.	720914114310	KABIL KUMAR.S

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44.	720914114312	MUHAMMED SHASIL.N.K
45.	720914114313	NAGANATHAN.N
46.	720914114308	JERIN JAMES A
47.	720914114505	VIGNESH N P
48.	720914114506	SREENATH T V
49.	720914114507	CHANDRU M
50.	720914114508	MOHAMMED ASHIQ K M
51.	720914114508	MOHAMMED ASHIQ K M
52.	720914114041	JESTIN M JOHN
53.	720914114042	JEWEL ANTO
54.	720914114043	JIBIN SANKAR
55.	720914114045	JOBIN JOSHY
56.	720914114046	JYOTHISH P K
57.	720914114047	KRISHNAMOORTHY.G
58.	720914114048	KUGAN T
59.	720914114049	LENIN A A
60.	720914114050	LIJO JAMES
61.	720914114051	MANIKANDA PRABU E
62.	720914114052	NAGARASU A
63.	720914114053	NALLAPERUMAL P
64.	720914114054	NAVANEETH V
65.	720914114055	NIKIL KRISHNA
66.	720914114056	NITHIN K
67.	720914114057	NITHIN K U
68.	720914114058	PRASOB K PRASAD
69.	720914114059	PRAVEEN RAJ P
70.	720914114060	RAHUL RAVI
71.	720914114061	RASHIN P K
72.	720914114063	RIDHUL RAJ K
73.	720914114064	RONALD ANTO MATHEW
74.	720914114065	SANDEEP BINDU PREMAN
75.	720914114066	SREEYAS R
76.	720914114068	SWAROOP KRISHNAN B
77.	720914114069	SWATHISH T D
78.	720914114070	THEJAS K R
79.	720914114071	VIGNESHWAR S
80.	720914114073	VINOTHKUMAR G
81.	720914114074	VISHNU K
82.	720914114075	VISHNU K U
83.	720914114076	VISHNU T R
84.	720914114077	VISHNU U
85.	720914114078	VISHNU GOPI K
86.	720914114079	VISHNU RAJ MEKKAT
87.	720914114080	VYSHNAV SATHEESH
88.	720914114314	NANDHU RAJ T P
89.	720914114315	NITHUL JOSEPH
90.	720914114316	RAHUL K R
91.	720914114317	RAHUL KS
92.	720914114319	RAJIN RAJU
93.	720914114321	RATHISH.K

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94.	720914114322	REJITH.R
95.	720914114323	ROSHITH KUTHUS
96.	720914114324	SANAL KRISHNAN T S
97.	720914114325	SREEDEV.P
98.	720914114326	VARAHARI BABU K
99.	720914114327	VARUN S
100.	720914114328	VISHNU PRASAD P U

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16.15

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS ATTENDANCE SHEET

Advance Metrology Training

S.No	Reg no	Name of the Student	1	2	3	4	5	6	7	8	9	10
1.	720914114001	AADHIL M	/	A	/	/	/	/	/	/	/	/
2.	720914114002	ABHIJITH A T	/	/	/	/	/	/	/	A	/	/
3.	720914114003	AJAY KUMAR M S	/	/	A	/	/	/	/	/	/	/
4.	720914114004	AJITHKUMAR K	/	/	/	/	/	/	/	/	/	/
5.	720914114005	AJMAL K	/	/	/	/	/	/	/	A	/	/
6.	720914114008	AKSHAY G	/	/	A	/	/	/	/	/	/	/
7.	720914114009	ALBERT JOHNY	/	/	/	/	/	/	/	/	/	/
8.	720914114009	ALBERT JOHNY	/	/	/	/	/	/	/	/	A	/
9.	720914114010	ALEXANDER B S	/	/	/	/	/	/	/	/	/	/
10.	720914114011	ANANDA RAJ S	/	A	/	/	/	/	/	/	A	/
11.	720914114012	ANAS A	/	/	/	/	/	/	/	A	/	/
12.	720914114014	ANIL V	/	/	/	A	/	/	/	/	/	/
13.	720914114015	ASHLIN C V	/	/	/	/	/	/	/	A	/	/
14.	720914114016	ASHRAF N A	/	/	A	/	/	/	/	/	/	/
15.	720914114017	ASHWIN ARUN	/	/	/	/	/	/	/	/	/	A
16.	720914114018	AZHAGUMADASAMY M	/	/	/	A	/	/	/	/	/	/
17.	720914114019	BALA SATHISHKUMAR P	A	/	/	/	/	/	/	/	/	/
18.	720915114505	BALU K	/	/	/	/	/	/	/	/	/	/
19.	720914114021	BASKAR S	/	/	/	/	/	A	/	/	/	A
20.	720914114022	BENCIN C BENNY	/	/	/	A	/	/	/	/	/	/
21.	720914114023	BINTO C BENNY	/	/	/	/	/	A	/	/	/	/
22.	720914114024	CHANDRA MOHAN R	/	A	/	/	/	/	/	/	/	A
23.	720914114025	CHINGITH R	/	/	/	/	/	/	/	/	A	/
24.	720914114026	DINESH KUMAR G	/	/	A	/	/	/	/	/	/	/
25.	720914114027	DINESH KUMAR J	/	/	/	/	/	/	A	/	/	/
26.	720914114029	DONALD TITUS P	A	/	/	/	/	/	/	/	/	/
27.	720914114030	ELDHOSE BABY	/	/	/	A	/	/	/	A	/	/
28.	720914114031	GANESAN K	/	A	/	/	/	/	/	/	/	A
29.	720914114033	GOKUL RAJ P J	/	/	/	/	A	/	/	/	/	/
30.	720914114034	GOKUL RAJ V C	/	/	/	/	/	/	/	/	A	/
31.	720914114035	GOPALA KRISHNAN G	/	A	/	/	/	/	/	/	/	/
32.	720914114036	GOWTHAM C	/	/	/	/	/	/	/	/	/	/
33.	720914114038	HASHIR ALI K	/	/	/	/	/	/	/	/	A	/
34.	720914114039	HRUTHWIN M	/	/	A	/	/	A	/	/	/	/
35.	720914114040	JAYARAM S	A	/	/	/	/	/	/	/	/	/
36.	720914114301	ABIN.C.MATHEW	/	/	/	/	/	/	/	A	/	/
37.	720914114302	ABINDRA.C	/	/	/	A	/	/	/	/	/	/
38.	720914114303	AKHIL JACOB	/	A	/	/	/	/	/	/	A	/

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39.	720914114305	ARUNKUMAR B	1	a	1	1	1	1	1	1	1	1		
40.	720914114306	DHEERAJ P V	1	1	1	1	a	1	1	1	a	1		
41.	720914114307	JAGADEESH KUMAR V	1	1	1	1	1	1	a	1	1	1		
42.	720914114309	JERRY GEORGE	1	1	a	1	1	1	1	1	1	1		
43.	720914114310	KABIL KUMAR S	1	1	1	1	1	1	1	1	1	1		
44.	720914114312	MUHAMMED SHASIL N K	1	1	1	a	1	1	1	a	1	1		
45.	720914114313	NAGANATHAN N	1	a	1	1	1	1	1	1	1	1		
46.	720914114308	JERIN JAMES A	1	a	1	1	1	1	1	1	a	1		
47.	720914114505	VIGNESH N P	1	1	1	1	1	1	1	1	1	1		
48.	720914114506	SREENATH T V	1	1	1	1	1	1	1	1	1	a		
49.	720914114507	CHANDRU M	1	1	a	1	1	a	1	1	1	1		
50.	720914114508	MOHAMMED ASHIQ K M	1	1	1	1	a	1	1	1	1	a		
51.	720914114508	MOHAMMED ASHIQ K M	1	1	1	1	1	1	1	1	1	1		
52.	720914114041	JESTIN M JOHN	1	1	1	a	1	1	1	1	1	1		
53.	720914114042	JEWEL ANTO	1	1	1	1	1	1	1	1	1	1		
54.	720914114043	JIBIN SANKAR	1	a	1	1	1	1	1	1	1	1		
55.	720914114045	JOBIN JOSHY	1	1	1	1	1	1	1	1	1	a		
56.	720914114046	JYOTHISH P K	1	1	1	1	1	1	1	1	1	1		
57.	720914114047	KRISHNAMOORTHY.G	1	1	1	1	a	1	1	1	1	a		
58.	720914114048	KUGAN T	1	1	1	1	1	1	1	1	1	1		
59.	720914114049	LENIN A A	1	1	a	1	1	1	1	1	1	1		
60.	720914114050	LIJO JAMES	a	1	1	1	1	1	1	1	a	1		
61.	720914114051	MANIKANDA PRABU E	1	1	1	1	1	1	1	1	1	a		
62.	720914114052	NAGARASU A	1	1	1	1	a	1	1	1	1	1		
63.	720914114053	NALLAPERUMAL P	1	a	1	1	1	1	1	1	1	1		
64.	720914114054	NAVANEETH V	1	1	1	1	1	1	a	1	1	a		
65.	720914114055	NIKIL KRISHNA	1	a	1	1	1	1	1	1	1	1		
66.	720914114056	NITHIN K	1	1	1	1	a	1	1	1	1	a		
67.	720914114057	NITHIN K U	1	1	1	1	1	1	1	a	1	1		
68.	720914114058	PRASOB K PRASAD	1	a	1	1	1	1	1	1	1	1		
69.	720914114059	PRAVEEN RAJ P	1	1	1	1	1	1	1	1	1	1		
70.	720914114060	RAHUL RAVI	a	1	1	1	1	1	a	1	1	1		
71.	720914114061	RASHIN P K	1	1	1	a	1	1	1	1	1	1		
72.	720914114063	RIDHUL RAJ K	1	1	1	1	1	1	1	1	a	1		
73.	720914114064	RONALD ANTO MATHEW	a	1	1	1	1	1	1	1	1	1		
74.	720914114065	SANDEEP BINDU PREMAN	1	1	a	1	1	1	1	1	1	1		
75.	720914114066	SREEYAS R	1	1	1	1	1	1	1	1	a	1		
76.	720914114068	SWAROOP KRISHNAN B	1	1	1	1	a	1	1	1	1	1		
77.	720914114069	SWATHISH T D	1	1	1	1	1	1	1	1	1	1		
78.	720914114070	THEJAS K R	1	1	1	1	1	1	1	1	1	a		
79.	720914114071	VIGNESHWAR S	1	a	1	1	1	1	1	1	1	1		
80.	720914114073	VINOTHKUMAR G	1	1	1	1	1	1	1	a	1	1		
81.	720914114074	VISHNU K	1	1	a	1	1	1	1	1	1	1		
82.	720914114075	VISHNU K U	1	1	1	1	1	1	1	1	1	a		
83.	720914114076	VISHNU T R	1	1	1	1	a	1	1	1	1	1		

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84.	720914114077	VISHNU U	1	A	1	1	1	1	1	1	1	1
85.	720914114078	VISHNU GOPI K	1	1	1	A	1	1	1	1	1	1
86.	720914114079	VISHNU RAJ MEKKAT	1	1	1	1	1	1	1	1	1	1
87.	720914114080	VYSHNAV SATHEESH	1	1	1	1	1	A	1	1	A	1
88.	720914114314	NANDHU RAJ T P	1	1	A	1	1	1	1	1	1	1
89.	720914114315	NITHUL JOSEPH	1	1	1	1	1	1	1	1	A	1
90.	720914114316	RAHUL K R	1	1	1	A	1	1	1	1	1	1
91.	720914114317	RAHUL KS	1	1	1	1	1	1	1	1	A	1
92.	720914114319	RAJIN RAJU	1	1	1	1	A	1	1	1	1	1
93.	720914114321	RATHISH.K	1	A	1	1	1	1	1	1	1	1
94.	720914114322	REJITH.R	1	1	1	1	1	1	A	1	1	1
95.	720914114323	ROSHITH KUTHUS	1	1	1	1	1	1	1	A	1	1
96.	720914114324	SANAL KRISHNAN T S	1	1	1	1	1	1	1	1	1	1
97.	720914114325	SREEDEV.P	1	A	1	1	1	1	1	1	1	A
98.	720914114326	VARAHARI BABU K	1	1	1	1	1	1	1	A	1	1
99.	720914114327	VARUN S	1	1	A	1	1	1	1	1	1	1
100	720914114328	VISHNU PRASAD P U	A	1	1	1	1	1	1	1	1	1

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Coimbatore- 641 105

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE COURSE on ADVANCE METHODOLOGY TRAINING.

FEED BACK FROM STUDENTS

Name: ANTI. V.

Date: 08.02.2017

Kindly put (√) mark

	Poor	Average	Good	Excellent/ Useful
Overall Verdict			✓	
Training Structure				✓
Training Content				✓
Quality of Handouts			✓	
Session Length				✓
Venue			✓	

What did you like about the course?

Very useful for the job.

What you think could be improved?

No need to improve. Everthing excellent.

Outline 3 things that you will take with you / have learnt in this session.

Cut. Practical knowledge

Do you have any suggestions for new session?

We need this kind of course for our junior students.

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THANGA MUTHU.T

Senior technician

CUSE METROLOGY&QUALITY MANAGEMENT SERVICES

B.E.MECHANICAL ENGINEERING

Sengunthar Engineering College, Erode

PROFESSIONAL SKILLS

- Excellent communication skills including written and verbal are reequired
- Strong communication and people skills involving regular interaction with all personnel levels
- Excellent organizational, communication, and interaction skills
- Strong mathematical skills, basic knowledge of general mechanical and electrical practices
- Strong written skills for clean and legible documentation
- Good at troubleshooting, technical writing, communication, interpersonal, problem solving, and organization skills.
- Basic computer skills in creating forms, reports, updating logs, and records required

EXPERIENCE IN METROLOGY ENGINEER

- Work closely with Metrology Technicians to improve current processes and develop new methods for unique measurement challenges
- Work cross functionally with R&D, also give training for juniors about the Quality to develop and improve processes for maintaining new and existing equipment
- Work closely with the Metrology Manager on continuously improving the Labs' processes, procedures, datasheets and measurement techniques
- Analyze tool performance and work in team with the equipment supplier on problem solving and CIP
- Assist Key sight global laboratories with standard compliance; determine root causes of audit findings and provide legitimate solutions
- Provide technical leadership to ensure optimal performance of production test methods and equipment
- Uses lean tools and techniques to support elimination of waste and improvements to business performance

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J.XEVIER PANEER SELVAM
B.E MECHANICAL ENGINEERING
METROLOGY ENGINEER

UG Degree: ArulmiguKalasalingam College of Engineering
Working in: Cuse Metrology Quality Management Services

- Produce dimensional report, collect &analyse data, and understanding of statistical process control rules
- Interpret charts, graphs, and data
- Determine the most appropriate measurement method based on part tolerances,
- Interpret and apply metrology programs
- Perform day to day metrology functions by following established standard operating procedures
- Dimensionally, visually and functionally evaluate product from the capability studies, DOE's, material evaluation, machine and process qualifications, product from new projects or customers to determine compliance to specifications as well as the variability of the process/product
- Perform monthly, quarterly and annual maintenance activities for equipment
- Giving metrology training for young engineering graduates

Skills

- Strong mathematical skills, basic knowledge of mechanical theories and practices
- Basic mathematical and reasoning ability
- Ability to effectively communicate in writing and verbally with the ability to work as part of a team and accept direction from peers
- Work experience where attention to detail and personal accountability were critical to success
- Strong organizational skills and attention to detail
- Demonstrates good interpersonal skills, is attentive and approachable
- Be organized. Maintain good records, and be able to access them rapidly. Understand where information can be found

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JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

(Pichanur, Coimbatore - 641 105)

CERTIFICATION OF COMPLETION

The present document certifies that

AADHIL M

has successfully completed the **'Advanced Metrology Training'** during 01-02-2017 to 08-02-2017 conducted by the Department of Mechanical Engineering in the academic year 2016-2017.

CUSE METROLOGY & QUALITY MANAGEMENT SERVICES

PRINCIPAL
JCT College of Engineering & Technology

Dr. G. Ramesh,
Principal, JCT Institute.

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

(Pichanur, Coimbatore - 641 105)

CERTIFICATION OF COMPLETION

The present document certifies that

ABHIJITH A T

has successfully completed the **'Advanced Metrology Training'** during 01-02-2017 to 08-02-2017 conducted by the Department of Mechanical Engineering in the academic year 2016-2017.

CUSE METROLOGY & QUALITY MANAGEMENT SERVICES

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Dr. G. Ramesh,
Principal, JCT Institute.

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

(Pichanur, Coimbatore - 641 105)

CERTIFICATION OF COMPLETION

The present document certifies that

A.JAY KUMAR M

has successfully completed the **'Advanced Metrology Training'** during 01-02-2017 to 08-02-2017 conducted by the Department of Mechanical Engineering in the academic year 2016-2017.

CUSE METROLOGY & QUALITY MANAGEMENT SERVICES

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Dr. G. Ramesh,
Principal, JCT Institute.

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

(Pichanur, Coimbatore - 641 105)

CERTIFICATION OF COMPLETION

The present document certifies that

AJITHKUMAR K

has successfully completed the '**Advanced Metrology Training**' during 01-02-2017 to 08-02-2017 conducted by the Department of Mechanical Engineering in the academic year 2016-2017.

CUSE METROLOGY & QUALITY MANAGEMENT SERVICES

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Dr. G. Ramesh,
Principal, JCT Institute.

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

(Pichanur, Coimbatore - 641 105)

CERTIFICATION OF COMPLETION

The present document certifies that

AJMAL K

has successfully completed the **'Advanced Metrology Training'** during 01-02-2017 to 08-02-2017 conducted by the Department of Mechanical Engineering in the academic year 2016-2017.

CUSE METROLOGY & QUALITY MANAGEMENT SERVICES

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Dr. G. Ramesh,
Principal, JCT Institute.

04/07/2016

From

Head of the Department,
Department of Petrochemical Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting course "PCECM01- Energy conservation management and Auditing" - Reg.

The Department of Petrochemical Engineering is planned to conduct the course "PCECM01- Energy conservation management and Auditing" for our Final year Petrochemical engineering students. The details about the program and the course coordinator are given below for your perusal and approval. Hence I request you to kindly provide the permission for conducting the above course successfully.

Name of the Event	Course Coordinator	Organized by	Date
Energy conservation management and Auditing	K.Balasubramani/AP, N.Ramkumar/AP	Petrochemical Engineering	13/08/2016, 20/08/2016, 27/08/2016, 03/09/2016.

Thanking you,

Yours truly,

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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20/07/2016

CIRCULAR

DEPARTMENT OF PETROCHEMICAL ENGINEERING

It is proposed to conduct a course (PCECM01- Energy conservation management and Auditing) **on 13/08/2016, 20/08/2016, 27/08/2016, & 03/09/2016 for Final year Petrochemical Students**. This is used to provide a great ideas and their scenario of the concept of energy conservation and auditing. So, interested students are advised to register the name to the course coordinator.

HOD/PCE

PRINCIPAL 20/7/16

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

COURSE	COURSE NAME	TOTAL HOURS
PCECM01	Energy conservation management and Auditing	30

Course Objectives:

1) To enable the students to understand the concept of energy and its importance
2) To educate the students to understand the principles of energy management
3) To know about energy audit and its methodology

Course Outcome:

- Students will be able to understand the different methods used to minimize the energy cost and their scenario

UNIT	Detailed Syllabus	Hours
Unit I	**Introduction to Energy:** Importance of Energy - Conventional and non- Conventional Energy- Bio Mass Energy- Energy Conservation- Energy Conservation in Chemical Industries	10
UNIT II	**Principles of Energy Management** Definition and Objectives of Energy management - Energy Management Planning- Fuel & Energy Substitute-Maximizing system effiencies-Optimizing the input energy requirements.	10
UNIT III	**Energy Audit Procedure** Energy Audit –need -types of energy audit- Understanding the Energy Cost- Energy Audit Tools- Energy Audit Report- Bench marking - Energy performance-matching energy use to requirement.	10

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

COURSE	COURSE NAME	TOTAL HOURS
PCECM01	Energy conservation management and Auditing	30

S.No	Topics to be covered	Hours	Resource person
	Day 1		
1	Importance of Energy	2	Internal
2	Conventional and non- Conventional Energy	2	Internal
3	Bio Mass Energy	2	Internal
4	Energy Conservation	2	Internal
	Day 2		
1	Energy Conservation in Chemical Industries	2	Internal
2	Definition and Objectives of Energy management	2	Internal
3	Energy Management Planning	2	Internal
4	Fuel & Energy Substitute	2	Internal
	Day 3		
1	Maximizing system effiencies.	2	Internal
2	Optimizing the input energy requirements	2	Internal
3	Energy Audit Tools	2	Internal
4	Energy Audit Report	2	Internal
	Day 4		
1	Bench marking	2	Internal
2	Energy performance	2	Internal
3	Matching energy use to requirement	2	Internal

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JCT

JCT College of Engineering and Technology

Coimbatore-105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

Course: Energy conservation management and Auditing

Day	1	2	10.45-11.00	3	4	12.30-01.10	5	6	7	8
	9.10-10.45			11.00-12.30			1.10 -5.00			
13/08/2016	**Introduction Through HOD, Course Co-Coordinator**		BREAK	K.Balasubramani/AP, N.Ramkumar/AP		LUNCH BREAK	K.Balasubramani/AP, N.Ramkumar/AP			
20/08/2016	K.Balasubramani/AP, N.Ramkumar/AP			K.Balasubramani/AP, N.Ramkumar/AP			K.Balasubramani/AP, N.Ramkumar/AP			
27/08/2016	K.Balasubramani/AP, M.Ramkumar/AP,			K.Balasubramani/AP, M.Ramkumar/AP,			K.Balasubramani/AP, N.Ramkumar/AP			
03/09/2016	K.Balasubramani/AP, N.Ramkumar/AP			K.Balasubramani/AP, N.Ramkumar/AP			**Interaction class, Assessment test, Feedback** K.Balasubramani/AP, N.Ramkumar/AP			

HoD

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JCT **JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROCHEMICAL ENGINEERING

Registration of certificate Course (PCECM01- Energy conservation management and Auditing)

SI:NO	NAME	SIGNATURE OF THE STUDENTS
1.	Abdul vahid P.K.	[signature]
2.	ABILASH P.S	[signature]
3.	Gokulnath. R	[signature]
4.	KALIMUTHU.A	[signature]
5.	Manimaran.S	[signature]
6.	ARAVIND RAJ.K	[signature]
7.	ABIN BABY	[signature]
8.	AHAMED NASEEF K K	[signature]
9.	Arun Muthukumar.P	[signature]
10	Daniel JOSEPH	[signature]
11.	Danley Jose.P	[signature]
12.	Daneikumar. R.	[signature]
13.	ERIN.JS	[signature]
14.	Favas. EP	[signature]
15.	Loxen Francis	[signature]
16.	Jinan Dev. P.	[signature]
17.	Joan Godwin-J	[signature]
18.	JOHN ARCHIBALD.B	[signature]
19.	KALARYARASAN.B	[signature]
20.	KATHIRAVAKHERAN.S	[signature]
21	Kishore Ganesh.P	[signature]

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22.	Kishore Kumar. R	[signature]
23.	MADAN KUMAR. M	[signature]
24.	Manuthu Panchayan	[signature]
25	Mohammed harish. A	[signature]
26.	Mohamed Ismailiy. G.	[signature]
27	KANNAN. K	[signature]
28.	KATHIRAVACHARAN. S	[signature]
29.	MURUGAN	[signature]
30.	Nanthini devi K. M	[signature]
31.	PRADEEP. G	[signature]
32.	Prakash. A	[signature]
33.	Pranav Ram.	[signature]
34.	RAM KUMAR. A	[signature]
35.	RAnjith Singh A	[signature]
36	RAVINYA T.	[signature]
37.	Razal ABdul. AH	[signature]
38.	Reva James	[signature]
39.	Sathya Narayanan. B	[signature]
40.	Vinodhan. D	[signature]
41	Vishnu mohan	[signature]
42	Vishnu Sunil	[signature]
43	Yashwanth rajkumar. V	[signature]
44.	ZINWAN. T	[signature]
45.	Saruhasan M	[signature]
		[signature]

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

SI:NO	NAME	13/8/16	20/8/16	27/8/16	3/9/16
1	ABDUL VAHID PK	/	/	/	/
2	ABILASH P S	/	/	/	/
3	ABIN BABY	/	/	/	/
4	AHAMED NASEEF K K	/	/	/	/
5	ARAVIND RAJ K	/	/	/	/
6	ARUNMUTHUKUMAR P	a	/	/	/
7	DANIEL JOSEPH F S	/	/	/	/
8	DANISH JOSEPH	/	/	/	/
9	DANLEY JOSE P	/	/	a	/
10	DURAIKANNU R	/	/	/	/
11	EBIN T S	/	/	/	/
12	FAVAS E P	/	/	/	/
13	FAXEN FRANCIS	/	/	/	/
14	GOKULNATH R	/	/	/	/
15	JINAN DEV P	/	/	/	a
16	JOAN GODWIN J	/	/	a	/
17	JOHN ARCHIBALD B	/	/	/	/
18	KALAIYARASAN B	/	a	/	/
19	KALI MUTHU A	a	/	/	/
20	KANNAN K	/	/	/	/
21	KATHIRAVACHERAN S	/	/	/	a
22	KISHORE KUMAR R	/	/	/	/
23	LITTIN BHASI	/	a	/	/
24	MADAN KUMAR M	a	/	/	/
25	MANIMARAN S	/	/	/	/

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26	MARUTHU PANDIAN P	/	/	/	/
27	MOHAMED HARISH A	/	/	/	/
28	MOHAMED ISMAIL K	/	/	/	/
29	MURUGAN P	/	/	/	/
30	NANTHINI DEVI K M	/	/	/	/
31	PRADEEP G	/	/	a	/
32	PRAKASH A	/	a	/	/
33	PRANAV RAM	/	/	/	/
34	RAM KUMAR A	/	/	/	/
35	RANJITH SINGH A	/	/	/	a
36	RAVINYA T C	/	/	/	/
37	RAZAL ABDUL ALI	/	/	/	/
38	REVA JAMES	/	/	/	/
39	SATHYA NARAYANAN B	/	/	/	/
40	VINODHAN D	/	/	/	/
41	VISHNU MOHAN	/	/	/	/
42	VISHNU SUNIL	a	a	/	/
43	YASHWANTH RAJKUMAR V	/	/	/	/
44	ZINWAN T	/	/	/	/
45	SARUHASAN.M	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Students Feed back

Title: Energy Conservation and Auditing
Date: 21/9/16 -

For the following areas, please indicate your rating:

A. Content	1 Fair	2 Good	3 Very Good	4 Excellent
Covered useful material	✓			
Practical to my needs and interests		✓		
Well organized		✓		
Well paced	✓			
Presented at the right level	✓			
Effective activities		✓		
Useful visual aids and hand-outs	✓			
B. Presentation				
Instructor's knowledge		✓		
Instructor's presentation style		✓		
Instructor covered material clearly	✓			
Instructor responded well to questions	✓			
Instructor facilitated interactions among participants well	✓			

C. How could this Course to be improved?	more videos
D. Any other comments or suggestions?	Good.

E. Overall, how would you rate this Guest Lecture/Seminar?

[ ] POOR [ ] FAIR [✓] GOOD [ ] EXCELLENT

SIGNATURE

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Students Feed back

Title: ENERGY CONSERVATION MANAGEMENT AND AUDITING
Date: 23/09/2016

For the following areas, please indicate your rating:

A. Content	1 Fair	2 Good	3 Very Good	4 Excellent
Covered useful material		✓		
Practical to my needs and interests		✓		
Well organized		✓		
Well paced		✓		
Presented at the right level		✓		
Effective activities		✓		
Useful visual aids and hand-outs			✓	
B. Presentation				
Instructor's knowledge		✓		
Instructor's presentation style			✓	
Instructor covered material clearly		✓		
Instructor responded well to questions				✓
Instructor facilitated interactions among participants well		✓		

C. How could this Course to be improved?	Required Basics
D. Any other comments or suggestions?	Good

E. Overall, how would you rate this Guest Lecture/Seminar?

[ ] POOR [ ] FAIR [ ] GOOD [✓] EXCELLENT

SIGNATURE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ ABILASH P S has successfully completed the course on *Energy conservation management and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore held on 13/08/2016, 20/08/2016, 27/08/2016, & 03/09/2016 during the academic year 2016-17.

COURSE COORDINATOR

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ ABIN BABY has successfully completed the course on *Energy conservation management and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore held on 13/08/2016, 20/08/2016, 27/08/2016, & 03/09/2016 during the academic year 2016-17.

COURSE COORDINATOR

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ AHAMED NASEEF K has successfully completed the course on *Energy conservation management and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore held on 13/08/2016, 20/08/2016, 27/08/2016, & 03/09/2016 during the academic year 2016-17.

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ ARAVIND RAJ K has successfully completed the course on *Energy conservation management and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore held on 13/08/2016, 20/08/2016, 27/08/2016, & 03/09/2016 during the academic year 2016-17.

COURSE COORDINATOR

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ ARUNMUTHUKUMAR P has successfully completed the course on *Energy conservation management and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore held on 13/08/2016, 20/08/2016, 27/08/2016, & 03/09/2016 during the academic year 2016-17.

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCECM01- Energy conservation management and Auditing

18/20

REGISTER NUMBER	7209131390002
NAME	Abilash. P.S.

1. Energy in the form of heat and light is obtained by
   a) Biomass b) Fossil fuels c) Sun d) Wind

2. Which of the following is not a flexible mechanism under Kyoto protocol?
   a) Emission trading b) Joint implementation c) CDM d) Sectoral approaches.

3. The most nuclear fuel used in the world is
   a) Thorium-232 b) Uranium-238 c) Uranium-235 d) Plutonium-239

4. Proposed new technologies, process modifications, equipment replacements are the elements of
   a) Financing b) Contracting c) Technical design d) Implementation

5. The world average per capital CO_2 emission is tons per annum.
   a) 0.93 b) 2.2 c) 3.87 d) 4.53

6. While plotting a CUSTUM Chart it is observed that CUSTUM during previous month was 12, the same during the current month will be
   a) > 12 b) <12 c) =12 d) can't be said

7. In order to produce solar energy during sunlight, where the energy is stored in the batteries?
   a) Nickel-Sulfur b) Zinc-Cadmium c) Nickel-Cadmium d) Nickel-Zinc

8. Which among the following are elements of project management?
   a) Managing resources b) Managing time and schedule
   c) Managing costs d) all of the above

9. 10MWh of electrical energy is equal to tones of oil equivalent.
   (CV of oil = 10000 kCal/kg)
   a) 860 b) 0.86 c) 8600 d) 86000

10. Which of the following is a non renewable energy?

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a) Solar b) Wind c) Geothermal d) Nuclear

11. What is ESCO?
a) Energy Saving Company b) Energy Sourcing Company
c) Energy Service Company d) Energy section of Company

12. The main constituents of Green house gases (GHG) are
a) CO_2 & CH_4 b) SOx c) NOx d) Water vapor

13. Energy is released from fossil fuels when they are
a) Pumped b) Cooledc) Burned d) Pressurized

14. The ozone layer in the stratosphere acts as an efficient filter for
a) Solar UV-B rays b) X-rays c) Gamma rays d) UV-A rays

15. What is the heat required to melt 2 kg of ice from Zero degree to liquid water at zero degree in KJ at atmospheric condition?
a) 676 b) 4520 c) 160 d) 1080

16. Which of the following gas damage the ozone layer?
a) Argon b) CFCs c) CO_2 d) Nitrogen

17. In cumulative sum chart, if the graph is horizontal, then
a) Nothing can be said
b) Actual and calculated energy consumption is the same
c) Energy consumption is reduced d) Specific energy consumption is going up

18. For all the expenditures in the plant, the value of cash flow at the end of the year will be
a) Positive b) Negative c) Nil d) None of the above

19. The simplest techniques for scheduling of task and tracking progress is
a) CPM b) Gantt chart c) PERT d) Cusum

20. A sensitivity analysis is an assessment of
a) Cash flows b) Risks due to assumptions c) Capital investment d) best financing source

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Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCECM01- Energy conservation management and Auditing

17/20

REGISTER NUMBER	7209B139003
NAME	Abin Baby.

1. Energy in the form of heat and light is obtained by
   a) Biomass b) Fossil fuels c) Sun d) Wind

2. Which of the following is not a flexible mechanism under Kyoto protocol?
   a) Emission trading b) Joint implementation c) CDM d) Sectoral approaches.

3. The most nuclear fuel used in the world is
   a) Thorium-232 b) Uranium-238 c) Uranium-235 d) Plutonium-239

4. Proposed new technologies, process modifications, equipment replacements are the elements of
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5. The world average per capital CO_2 emission is tons per annum.
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Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCECM01- Energy conservation management and Auditing

18/20

REGISTER NUMBER	7209131390004
NAME	Ahamed Nasreekee

1. Energy in the form of heat and light is obtained by
   a) Biomass b) Fossil fuels c) Sun d) Wind

2. Which of the following is not a flexible mechanism under Kyoto protocol?
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10. Which of the following is a non renewable energy?

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Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCECM01- Energy conservation management and Auditing

19/20

REGISTER NUMBER	720913139013
NAME	Aravind Raj.

1. Energy in the form of heat and light is obtained by
   a) Biomass b) Fossil fuels c) Sun d) Wind

2. Which of the following is not a flexible mechanism under Kyoto protocol?
   a) Emission trading b) Joint implementation c) CDM d) Sectoral approaches.

3. The most nuclear fuel used in the world is
   a) Thorium-232 b) Uranium-238 c) Uranium-235 d) Plutonium-239

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCECM01- Energy conservation management and Auditing

19/20

REGISTER NUMBER	7209631390 14.
NAME	Grace Muthukumar.

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17. In cumulative sum chart, if the graph is horizontal, then
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20. A sensitivity analysis is an assessment of
    a) Cash flows b) Risks due to assumptions c) Capital investment d) best financing source

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JCT

(College of Engineering and Technology)

From

Head of the Department

Department of Petrochemical Engineering,

JCT College of Engineering and Technology,

Coimbatore - 641105.

To

The Principal

JCT College of Engineering and Technology,

Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a value added course on **"Advanced Muncipal Waste Treatment Methods"** from **15.06.2016 to 18.06.2016** (4 days) for **third year** students. I request you to give permission for the above on suitable dates.

Thanking you

Yours Sincerely,

Dr.S. Venkatesa Prabhu

30.05.2016

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.05.2016

Our Department is conducting a course on **"Advanced Muncipal Waste Treatment Methods"** from **15.06.2016 to 18.06.2016** (4 days) for **third year** students. The classes are taken by Dr S Venkatesa Prahbhu of Petroleum Department. Interested students can contact your Class advisor for correspondence and more details.

Time: 9am to 4 pm

HOD-PE

Circulation to:

- III PE Class Room
- To be displayed on Notice Board.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT

TÜV AUSTRIA



JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641105

DEPARTMENT OF PETROLEUM ENGINEERING

VALUE ADDED COURSE 2016-17

Advanced municipal solid waste management

S.VENKATESAPRABHU
DEPT OF PETROLEUM ENGINEERING
JCT COLLEGE OF TECHNOLOGY

TYPE OF COURSE : NEW, UG
DURATION: 4 days
07.12. 2015-10.12. 2015

INTENDED AUDIENCE : B.E/B.Tech third year

INDUSTRIES APPLICABLE TO: All Industries

COURSE OUTLINE :

Due to rapid increase in the production and consumption processes, societies generate as well as reject solid materials regularly. One of the ways to salvage the situation is through efficient management of solid wastes, and this is the focus of this Course, Management of Municipal Solid Waste. In the Course, we will discuss the processes involved in the management of solid wastes - from waste generation to final disposal.

COURSE PLAN :

- Day 1-Municipal Solid Waste Management.
- Day 2-Waste Disposal - Key issues and features.
- Day 3-Sanitary Landfill.
- Day 4-Waste Processing Techniques.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

NAME LIST

Academic year 2016-2017

Name of the Academy: JCT

Name of the Program: ADVANCED SOLID WASTE MANAGEMENT

no	Student name	Student name
1	AJIN SCARIA MATHEW	720914219001
2	AJITH U	720914219002
3	AJITH RAJ.R	720914219003
4	ALAN P THANKACHAN	720914219004
5	ANAND.R	720914219005
6	ANIRUDH SREEKUMAR MENON	720914219006
7	ANTOLO SOLOMON J	720914219007
8	ARAVAZHI.M	720914219008
9	ARUN NATH.R	720914219009
10	ASHLIN.T.J	720914219010
11	ASHWIN.D.M	720914219011
12	BALAJI.S	720914219012
13	BALASUBRAMANIYAN.K	720914219013
14	CLINTON JOY.M	720914219014
15	DAINGEL.T.D	720914219015
16	DEEPAK.R	720914219016
17	EAPPEN B PALAMATTOM	720914219017
18	EBIN MOSES.J	720914219018
19	FLAWEN JEO MATHEW	720914219019
20	GOPI KRISHNA.A	720914219020
21	HARISANKAR SREEKUMAR	720914219021
22	JITHIN JOSEPH	720914219022
23	JITHU.S	720914219023
24	JOBI.C.M	720914219024
25	KARTHIK.A	720914219025
26	KARTHIK R	720914219026
27	KARITHIKA.UL	720914219027
28	KINGSLY PRETHIP.N	720914219028
29	KRISHNAKUMAR.S	720914219029
30	KUBERAN.S	720914219030
31	MAHESWARAN.M	720914219031
32	MANOJ.T	720914219032
33	MOHAMED ASHARDEEN.S	720914219033
34	MOHAMED MIRAHUSSAIN.J	720914219034
35	MOHAMED SHAKIT K	720914219035
36	MOHAMMED RABEEH.K	720914219036
37	MOHAMMED RABEEH.K	720914219036

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DEPARTMENT OF PETROLEUM ENGINEERING

38	MUHAMMED NAUFAL.A	720914219037
39	MUHAMMED FASIL.M	720914219038
40	MUJEEB.T.M	720914219039
41	MUSTHAFA KAMIL.M	720914219040
42	NAVEENKARC.S	720914219041
43	NISHANTHKUMAR.M	720914219042
44	PRADEEPAN.S	720914219043
45	PRAVEEN.M.P	720914219044
46	RAHUL.S	720914219045
47	RAMEES.V.M	720914219046
48	RANJITH.D	720914219047
49	RISHIKESAN.S	720914219048
50	SAINATH.V	720914219049
51	SANJAY KUMAR.P	720914219050
52	SANTHOSH KUMAR.V	720914219051
53	SATHEESH KUMAR.R	720914219052
54	SHIBI SHAJAHAN	720914219053
55	SHIEK SHAHEEL.N	720914219054
56	SHINU DAS	720914219055
57	SREERAJ.K.K	720914219056
58	SRINIVASH.M	720914219057
59	THANVEER.K.T	720914219058
60	THATHIN.S	720914219059
61	VIBIN.J	720914219060
62	VIJAYAVEL.M	720914219061
63	VINOD VARGHESE	720914219062
64	YENOK LIVINGSTON.B	720914219063
65	KAVIYAN M	720914219301

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COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR VALUE ADDED COURSE

Academic year 2016-2017

Name of the Academy: JCT

Name of the Program ADVANCED SOLID WASTE MANAGEMENT

no	Student name	15/6	16/6	17/6	18/6
1	AJIN SCARIA MATHEW	✓	✓	✓	✓
2	AJITH U	✓	✓	✓	✓
3	AJITH RAJ.R	✓	✓	✓	✓
4	ALAN P THANKACHAN	✓	✓	✓	✓
5	ANAND.R	✓	✓	A	✓
6	ANIRUDH SREEKUMAR MENON	✓	✓	✓	✓
7	ANTOLO SOLOMON J	A	✓	✓	✓
8	ARAVAZHI.M	✓	✓	✓	✓
9	ARUN NATH.R	✓	✓	✓	✓
10	ASHLIN.T.J	✓	✓	✓	✓
11	ASHWIN D M	✓	✓	✓	✓
12	BALAJI.S	✓	✓	✓	✓
13	BALASUBRAMANIYAN.K	✓	✓	✓	✓
14	CLINTON JOY.M	✓	✓	✓	✓
15	DAINGEL.T.D	✓	✓	✓	✓
16	DEEPAK.R	✓	A	✓	✓
17	EAPPEN B PALAMATTOM	✓	✓	✓	✓
18	EBIN MOSES.J	✓	✓	✓	✓
19	FLAWEN JEO MATHEW	✓	✓	✓	✓
20	GOPI KRISHNA.A	✓	✓	✓	✓
21	HARISANKAR SREEKUMAR	✓	✓	✓	✓
22	JITHIN JOSEPH	✓	✓	✓	A
23	JITHU.S	✓	✓	✓	A
24	JOBI.C.M	✓	✓	✓	✓
25	KARTHIK.A	✓	✓	✓	✓
26	KARTHIK R	✓	✓	✓	✓
27	KARITHIKA.UL	✓	✓	✓	✓
28	KINGSLY PRETHIP.N	✓	✓	✓	✓
29	KRISHNAKUMAR.S	✓	✓	✓	✓
30	KUBERAN S	✓	✓	✓	✓
31	MAHESWARAN.M	✓	✓	✓	✓
32	MANOJ.T	✓	✓	✓	✓
33	MOHAMED ASHARDEEN.S	✓	✓	✓	✓
34	MOHAMED MIRAHUSSAIN.J	✓	✓	A	✓
35	MOHAMED SHAKIT K	✓	✓	A	✓
36	MOHAMMED RABEEH K	✓	✓	✓	✓
37	MOHAMMED RABEEH.K	✓	✓	✓	✓

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COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

38	MUHAMMED NAUFAL.A	/	/	/	/
39	MUHAMMED FASIL.M	/	/	A	/
40	MUJEEB.T.M	/	/	A	/
41	MUSTHAFA KAMIL.M	/	/	/	/
42	NAVEENKARC.S	/	/	/	/
43	NISHANTHKUMAR.M	/	/	/	/
44	PRADEEPAN.S	/	/	/	/
45	PRAVEEN.M.P	/	/	/	/
46	RAHUL.S	/	/	/	/
47	RAMEES.V.M	/	/	/	/
48	RANJITH.D	A	/	/	/
49	RISHIKESAN.S	/	/	/	/
50	SAINATH V	/	A	/	A
51	SANJAY KUMAR.P	/	A	/	/
52	SANTHOSH KUMAR.V	/	A	/	/
53	SATHEESH KUMAR.R	/	A	/	/
54	SHIBI SHAJAHAN	/	/	/	/
55	SHIEK SHAHEEL.N	/	/	/	/
56	SHINU DAS	/	/	/	/
57	SREERAJ.K.K	/	/	/	/
58	SRINIVASH.M	/	/	/	/
59	THANVEER.K.T	/	/	/	/
60	THATHIN.S	/	/	/	/
61	VIBIN.J	/	/	/	/
62	VIJAYAVEL.M	/	/	/	/
63	VINOD VARGHESE	/	/	/	/
64	YENOK LIVINGSTON.B	/	/	/	/
65	KAVIYAN M	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AJITH U

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

HoD/PE

Empowering Energy Awareness

Principal

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Pichanur, Coimbatore-641105

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AJIN SCARIA MATHEW

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

HoD/PE

Empowering Energy Awareness

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Coimbatore-641105

Principal

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Pichanur, Coimbatore-641105

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms PRAVEEN.M.P

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

HoD/PE

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Pichanur, Coimbatore-641105

Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms PRADEEPAN.S

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

HoD/PE

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Pichanur, Coimbatore-641105

Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AJITH RAJ.R

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

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2016-17

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Food Technology

18.12.2017

From

Mrs. J. Esther Hellan Prasanna
Association Coordinator,
Department of Food Technology,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Through

The Head of the Department/FT,

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on ***"DEVELOPMENTS IN EXTRUDED FOODS"*** *at our campus-Reg.*

The Food Technology Department has planned to conduct a course on ***"DEVELOPMENTS IN EXTRUDED FOODS"*** for the IV FT Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Faculty Name	Organized by	Date
1	Value Added Course	Mr.Nelson Hillary Nestle Food Products Pvt. Ltd.	Department of FT	20/12/2017- 29/12/2017

Thanking you

Note: The content of this course is not a part of regular curriculum.

Association Co-ordinator

HoD

Principal

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore – 641 105

18/12/2017

CIRCULAR

DEPARTMENT OF FOOD TECHNOLOGY

It is proposed to conduct a course (DEVELOPMENTS IN EXTRUDED FOODS) **on 20/12/2017 to 29/12/2017 for Final year Food Technology Students**. This is used to provide a great ideas and their scenario of the developments in extruded foods. So the interested students are advised to register their name to the course coordinator.

HOD/FT

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Pichanur, Coimbatore - 641105

The Company is managed by Managing Director and Executive Director **Mr.Nelson Hillary-**subject to the superintendence, control and direction of the Board of Directors. NESTLE manufactures and markets products that cater to both cooking and consumption, like milk, curd, ice creams, dairy whitener, skimmed milk powder, ghee, paneer and lots more. Our brands have become household names in over one million Indian houses

96.23% of our sales comes from consumers alone - which goes to show the level of trust they place in the company. We also have a healthy global presence with dairy ingredients exported to 38 countries around the world - primarily in America, the Middle East and South Asian markets.

Our key focus is on delivering quality, and to that end, we have a technically advanced system that works in accordance with a time-tested business processes across our 16 plants.

In an effort to cater to the dairy requirements of a greater number of families, we are always on the lookout for markets waiting to be discovered. In that regard, we will be looking to expand to other states this year, like Andhra Pradesh, Telangana and Maharashtra. This is made possible by the overwhelming feedback from our consumers about the quality of our products. As always, we are grateful for their appreciation, and will continue to develop our products aided by our prolific Research & Development team.



Technology
Peelamedu, Coimbatore-641105

DEPARTMENT OF FOOD TECHNOLOGY

COURSE	COURSE NAME	TOTAL HOURS
FTCC04	DEVELOPMENTS IN EXTRUDED FOODS	30

Course Objectives:

To expose the students to the fundamental knowledge of food, its properties and different methods of food processing .

Course Outcome:

On completion of the course the students are expected to

- Understand the application of scientific principles in the processing technologies specific to the materials.
- Grasp the changes in the composition of foods with respect to the type of processing technology used.

Detailed Syllabus	Hours
Baked foods - chemical dough development, mechanical dough development, sheeting extrusion other rapid methods; Bread staling – theory, manifestation, retardation measures; Indian Confectionery. Extrusion processing – methods and products. Concept of rheology, elastic, plastic and viscous behaviour, viscoelasticity, rheological models and constitutive equations. Methods of texture evaluation, subjective and objective measurements. Aerodynamic and hydrodynamic characteristics. Application to separation, pneumatic handling and conveying. Material handling: Material handling machines and conveyors. Size reduction and separation. Agitation and Mixing. Mechanical Separations: Centrifugation, liquid-liquid centrifugation, liquid-solid centrifugation, clarifiers, desludging and decanting machines. Filtration: Principles involved in filtration. Pressure and vacuum filtration. Expression: batch and continuous type. Extraction and Leaching, Crystallization and Distillation: Basic principles involved. Baking, Roasting and Frying equipment	30

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JCT College of Engineering and Technology

Coimbatore – 641 105

JCT
College of Engineering and Technology

DEPARTMENT OF FOOD TECHNOLOGY
TIMETABLE FOR VALUE ADDED COURSE
Academic Year : 2016-17

NAME OF THE PROGRAM : Developments in extruded foods

RESOURCE PERSON : **Mr.Nelson Hillary,** Nestle Food Products Pvt. Ltd.

Period/Time	Year / Sem	I	II	LUNCH BREAK	III	IV
20.12.2017	IV/VII	INAUGURATION			Extrusion processing – methods and products	
21.12.2017	IV/VII	Concept of rheology, elastic, plastic and viscous behaviour, viscoelasticity, rheological models and constitutive equations			Methods of texture evaluation, subjective and objective measurements. Aerodynamic and hydrodynamic characteristics	
22.12.2017	IV/VII	Application to separation, pneumatic handling and conveying.			Material handling machines and conveyors. Size reduction and separation.	
27.12.2017	IV/VII	Agitation and Mixing			Mechanical Separations	
28.12.2017	IV/VII	Baking, Roasting and Frying equipment			Baking, Roasting and Frying equipment	
29.12.2017	IV/VII	ASSESMENT & REPORT			VALEDICTORY FUNCTION	

Association Co-ordinator

HoD

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

TÜV AUSTRIA

STUDENTS ENROLLED FOR VALUE ADDED COURSE

DEVELOPMENTS IN EXTRUDED FOODS

S.NO.	REG NO.	NAME OF THE STUDENT
1.	720915218001	ABHLASH RAJ
2.	720915218002	ALBIN JAMES
3.	720915218003	APARNA.S
4.	720915218004	ARAVINDH KARTHICKEYAN
5.	720915218005	ASHOK KUMAR.D
6.	720915218006	CHARLS J.POTTAYIL
7.	720915218007	DEVAMOORTHI.S
8.	720915218008	DIVYA PRIYA.S
9.	720915218009	ELDHOSE K.S
10.	720915218010	HASIM SHIBIL. M
11.	720915218012	KISHORE KUMAR.B
12.	720915218013	KRIPA ANNA BABY
13.	720915218014	KRISHNAKUMAR A.M
14.	720915218015	LASIM SATH.N
15.	720915218016	MADHAN RAJ.R
16.	720915218017	MANO.P
17.	720915218018	MEGHANA SHAJI
18.	720915218019	MOHAMMED IFSANULLAH SHERIFF.S
19.	720915218020	MUHAMMED SHAROOQUE P.B
20.	720915218021	MORAJI DHINESH.R
21.	720915218024	MUTHAIYAN.S
22.	720915218025	NABEEL.P
23.	720915218026	NANDHINI.K

24.	720915218027	NISHANT SAGAR.P
25.	720915218028	POONGODI.M
26.	720915218029	PRAGADHEESWARAN.B
27.	720915218030	PRAVEEN BALAJI
28.	720915218031	PREETHI AISWARYA.E
29.	720915218032	PRETHIKA.M
30.	720915218033	PRIYADHARSHNI.G
31.	720915218034	SANDESH SHYAM
32.	720915218036	SANKAR.E
33.	720915218038	SELVA MUTHU KUMAR
34.	720915218039	SHARAFUDHEEN.K
35.	720915218040	SHELINA.J
36.	720915218042	SHYAM.S
37.	720915218043	SUDHAGAR.T
38.	720915218044	SUMITHRA.P
39.	720915218045	SURYA.S
40.	720915218046	THILAKRAJ.P
41.	720915218048	VICITHRA.P
42.	720915218049	VIGNESH.R
43.	720915218050	VIJAYALAKSHMI.R
44.	720915218501	CHANDRU. M
45.	720916218008	DAKSHAN KUMAR. N
46.	720916218041	SANDHYA .S
47.	720916218042	SANGAVI.V
48.	720916218043	SANSKKRITA M D

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Pichanur, Coimbatore-641105

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

TÜV AUSTRIA

STUDENTS ATTENDANCE FOR VALUE ADDED COURSE

DEVELOPMENTS IN EXTRUDED FOODS

Academic year 2016-17

Name of the Trainer: Mr.Nelson Hillary

S.NO.	REG NO.	NAME OF THE STUDENT	20/12	21/12	22/12	27/12	28/12	29/12				
1.	720915218001	ABHLASH RAJ	/	/	/	/	/	/				
2.	720915218002	ALBIN JAMES	/	/	/	/	/	/				
3.	720915218003	APARNA.S	/	/	/	/	/	/				
4.	720915218004	ARAVINDH KARTHICKEYAN	/	/	/	/	/	/				
5.	720915218005	ASHOK KUMAR.D	/	/	/	/	/	/				
6.	720915218006	CHARLS J.POTTAYIL	/	/	/	/	/	/				
7.	720915218007	DEVAMOORTHI.S	/	/	/	/	/	/				
8.	720915218008	DIVYA PRIYA.S	/	/	/	/	/	/				
9.	720915218009	ELDHOSE K.S	/	/	/	/	/	/				
10.	720915218010	HASIM SHIBIL. M	/	/	/	/	/	/				
11.	720915218012	KISHORE KUMAR.B	/	/	/	/	/	/				
12.	720915218013	KRIPA ANNA BABY	/	/	/	/	/	/				
13.	720915218014	KRISHNAKUMAR A.M	/	/	/	/	/	/				
14.	720915218015	LASIM SATH.N	/	/	/	/	/	/				
15.	720915218016	MADHAN RAJ.R	/	/	/	/	/	/				
16.	720915218017	MANO.P	/	/	/	/	/	/				
17.	720915218018	MEGHANA SHAJI	/	/	/	/	/	/				
18.	720915218019	MOHAMMED IFSANULLAH SHERIFF.S	/	/	/	/	/	/				
19.	720915218020	MUHAMMED SHAROOQUE P.B	/	/	/	/	/	/				
20.	720915218021	MORAJI DHINESH.R	/	/	/	/	/	/				
21.	720915218024	MUTHAIYAN.S	/	/	/	/	/	/				

22.	720915218025	NABEEL.P												
23.	720915218026	NANDHINI.K												
24.	720915218027	NISHANT SAGAR.P												
25.	720915218028	POONGODI.M												
26.	720915218029	PRAGADHEESWARAN.B												
27.	720915218030	PRAVEEN BALAJI												
28.	720915218031	PREETHI AISWARYA.E												
29.	720915218032	PRETHIKA.M												
30.	720915218033	PRIYADHARSHNI.G												
31.	720915218034	SANDESH SHYAM	a											
32.	720915218036	SANKAR.E												
33.	720915218038	SELVA MUTHU KUMAR												
34.	720915218039	SHARAFUDHEEN.K												
35.	720915218040	SHELINA.J												
36.	720915218042	SHYAM.S												
37.	720915218043	SUDHAGAR.T												
38.	720915218044	SUMITHRA.P												
39.	720915218045	SURYA.S												
40.	720915218046	THILAKRAJ.P												
41.	720915218048	VICITHRA.P												
42.	720915218049	VIGNESH.R												
43.	720915218050	VIJAYALAKSHMI.R												
44.	720915218501	CHANDRU. M												

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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Enhancing quality of life and contributing to a healthier future

Nestlé
Good Food, Good Life

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

ABHLASH RAJ

HAS SUCCESSFULLY COMPLETED THE EDUCATIONAL COURSE

DURING 20TH TO 29TH DEC.2017 ON TOPIC *"DEVELOPMENTS IN EXTRUDED FOODS"* AT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

OPERATION HEAD &CONSULTANT

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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Good Food, Good Life

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

ALBIN JAMES

HAS SUCCESSFULLY COMPLETED THE EDUCATIONAL COURSE

DURING 20TH TO 29TH DEC.2017 ON TOPIC *"DEVELOPMENTS IN EXTRUDED FOODS"* AT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

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Pichanur, Coimbatore - 641105

OPERATION HEAD & CONSULTANT

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CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

APARNA.S

HAS SUCCESSFULLY COMPLETED THE EDUCATIONAL COURSE

DURING 20TH TO 29TH DEC.2017 ON TOPIC *"DEVELOPMENTS IN EXTRUDED FOODS"* AT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

OPERATIONAL HEAD & CONSULTANT

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

ARAVINDH KARTHICKEYAN

HAS SUCCESSFULLY COMPLETED THE EDUCATIONAL COURSE

DURING 20TH TO 29TH DEC.2017 ON TOPIC *"DEVELOPMENTS IN EXTRUDED FOODS"* AT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

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CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

ASHOK KUMAR.D

HAS SUCCESSFULLY COMPLETED THE EDUCATIONAL COURSE

DURING 20TH TO 29TH DEC.2017 ON TOPIC *"DEVELOPMENTS IN EXTRUDED FOODS"* AT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

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JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Food Technology

TÜV AUSTRIA

05.06.2017

From

Mrs. J. Esther Hellan Prasanna
Association Coordinator,
Department of Food Technology,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Through

The Head of the Department/FT,

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on ***"GREEN BIOTECHNOLOGY FOR FOOD SECURITY"*** *at our campus-Reg.*

The Food Technology Department has planned to conduct a course on ***"GREEN BIOTECHNOLOGY FOR FOOD SECURITY"*** for the IV FT Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Faculty Name	Organized by	Date
1	Value Added Course	Mr. Prakash. J Senthil Pappain Pvt Ltd Veerappanur, coimbatore	Department of FT	12/06/2017 – 19/06/2017

Thanking you

Note: The content of this course is not a part of regular curriculum.

Association Co-ordinator **HoD** **Principal**

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

05/06/2017

CIRCULAR

DEPARTMENT OF FOOD TECHNOLOGY

It is proposed to conduct a course (**GREEN BIOTECHNOLOGY FOR FOOD SECURITY**) **on 12/06/2017 to 19/06/2017 for Final year Food Technology Students**. This is used to provide a great ideas and their scenario of the concept of food security. So the interested students are advised to register their name to the course coordinator.

HOD/FT

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Director of Senthil Papain And Food Products Private Limited is **Mr.Prakash.J.** Senthil Papain And Food Products Private Limited is a Private incorporated on 04 September 1991. It is classified as Non-govtcompany and is registered at Registrar of Companies, Coimbatore. Its authorized share capital is Rs. 5,000,000 and its paid up capital is Rs. 4,950,000.

It is inolved in Production, processing and preservation of meat, fish, fruit vegetables, oils and fats.

Senthil Papain And Food Products Private Limited's Annual General Meeting (AGM) was last held on 30 September 2018 and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on 31 March 2018.

Senthil Papain And Food Products Private Limited's Corporate Identification Number is (CIN) U15131TZ1991PTC003423 Senthil Papain & Food Products Pvt Ltd has made a name for itself in the list of top suppliers of Frozen & Processed Food ,Herbal& Botanical Products in India. The supplier company is located in Coimbatore, Tamil Nadu and is one of the leading sellers of listed products. Senthil Papain & Food Products Pvt Ltd is listed in Trade India's list of verified sellers offering supreme quality of Grape Jam ,Tomato Sauce etc. Buy Frozen & Processed Food ,Herbal& Botanical Products in bulk from us for the best quality products and service.

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DEPARTMENT OF FOOD TECHNOLOGY

COURSE	COURSE NAME	TOTAL HOURS
FTCC03	GREEN BIOTECHNOLOGY FOR FOOD SECURITY	30

Course Objectives:

This course will enable students to appreciate the relationship between food and the nutrients as well as function and contribution of nutrients to health of individuals.

Course Outcome:

- Knowledge of the basic concepts of Nutraceuticals and functional food, their chemical nature and methods of extraction
- Understand the role of Nutraceuticals and functional food in health and disease

Detailed Syllabus	Hours
Introduction to Nutraceuticals and functional foods; importance, history, definition, classification, list of functional foods and their benefits, Phytochemicals, zoo chemicals and microbes in food, plants, animals and microbes Six classes of nutrients, calculating energy values from food, using the RDA, nutritional assessment of individuals and populations, dietary recommendations; research methods in nutrition; Planning a Healthy Diet: Diet planning principles, dietary guidelines; diet planning guides such as food groups, exchange lists, personal diet analysis; food labels: serving sizes, nutrition facts, daily values, descriptive terms, health claims. Digestion, Absorption and Transport: Anatomy and physiology of the digestive tract, mechanical and chemical digestion, absorption of nutrients	30

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Coimbatore – 641 105

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DEPARTMENT OF FOOD TECHNOLOGY
TIMETABLE FOR VALUE ADDED COURSE

Academic Year : 2016-17

NAME OF THE PROGRAM : Green biotechnology for Food Security

RESOURCE PERSON : **Mr. Prakash. J,** Senthil Pappain Pvt Ltd., Veerappanur, coimbatore

Period/Time	Year / Sem	I	II		III	IV
12.06.2017	IV/VII	INAUGURATION			Introduction to Nutraceuticals and functional foods	
13.06.2017	IV/VII	Phytochemicals, zoo chemicals and microbes in food, plants, animals and microbes			Six classes of nutrients	
14.06.2017	IV/VII	dietary recommendations			research methods in nutrition	
15.06.2017	IV/VII	Planning a Healthy Diet: Diet planning principles, dietary guidelines; diet planning guides		LUNCH BREAK	Digestion, Absorption and Transport	
16.06.2017	IV/VII	Anatomy and physiology of the digestive tract,			mechanical and chemical digestion	
19.06.2017	IV/VII	ASSESMENT & REPORT			VALEDICTORY FUNCTION	

Association Co-ordinator

HoD

Principal

JCT College of Engineering and Technology
Pichanur, Coimbatore

JCT College of Engineering and Technology

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

STUDENTS ENROLLED FOR VALUE ADDED COURSE

GREEN BIOTECHNOLOGY FOR FOOD SECURITY

S.NO.	REG NO.	NAME OF THE STUDENT
1.	720915218001	ABHISH RAJ
2.	720915218002	ALBIN JAMES
3.	720915218003	APARNA.S
4.	720915218004	ARAVINDH KARTHICKEYAN
5.	720915218005	ASHOK KUMAR.D
6.	720915218006	CHARLS J.POTTAYIL
7.	720915218007	DEVAMOORTHI.S
8.	720915218008	DIVYA PRIYA.S
9.	720915218009	ELDHOSE K.S
10.	720915218010	HASIM SHIBIL. M
11.	720915218012	KISHORE KUMAR.B
12.	720915218013	KRIPA ANNA BABY
13.	720915218014	KRISHNAKUMAR A.M
14.	720915218015	LASIM SATH.N
15.	720915218016	MADHAN RAJ.R
16.	720915218017	MANO.P
17.	720915218018	MEGHANA SHAJI
18.	720915218019	MOHAMMED IFSANULLAH SHERIFF.S
19.	720915218020	MUHAMMED SHAROOQUE P.B
20.	720915218021	MORAJI DHINESH.R
21.	720915218024	MUTHAIYAN.S
22.	720915218025	NABEEL.P
23.	720915218026	NANDHINI.K
24.	720915218027	NISHANT SAGAR.P

25.	720915218028	POONGODI.M
26.	720915218029	PRAGADHEESWARAN.B
27.	720915218030	PRAVEEN BALAJI
28.	720915218031	PREETHI AISWARYA.E
29.	720915218032	PRETHIKA.M
30.	720915218033	PRIYADHARSHNI.G
31.	720915218034	SANDESH SHYAM
32.	720915218036	SANKAR.E
33.	720915218038	SELVA MUTHU KUMAR
34.	720915218039	SHARAFUDHEEN.K
35.	720915218040	SHELINA.J
36.	720915218042	SHYAM.S
37.	720915218043	SUDHAGAR.T
38.	720915218044	SUMITHRA.P
39.	720915218045	SURYA.S
40.	720915218046	THILAKRAJ.P
41.	720915218048	VICITHRA.P
42.	720915218049	VIGNESH.R
43.	720915218050	VIJAYALAKSHMI.R
44.	720915218501	CHANDRU. M
45.	720914218030	SARANYA M
46.	720914218032	SMRITHY G
47.	720914218033	SOWMIYA A
48.	720914218034	SRINATH K
49.	720914218035	SRUTHI P SURESH
50.	720914218036	SUDHARSAN R
51.	720914218037	SUDHERSAN B
52.	720914218038	VIGNESHWARAN C

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JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

TÜV AUSTRIA CERTIFIED

STUDENTS ATTENDANCE FOR VALUE ADDED COURSE

GREEN BIOTECHNOLOGY FOR FOOD SECURITY

Academic year 2016-17

Name of the Trainer: Mr. Prakash. J

S.NO.	REG NO.	NAME OF THE STUDENT	12/6	13/6	14/6	15/6	16/6	19/6					
1.	720915218001	ABHLASH RAJ	✓	✓	✓	✓	✓	✓					
2.	720915218002	ALBIN JAMES	✓	✓	✓	✓	✓	✓					
3.	720915218003	APARNA.S	✓	✓	✓	✓	✓	✓					
4.	720915218004	ARAVINDH KARTHICKEYAN	✓	✓	✓	✓	✓	✓					
5.	720915218005	ASHOK KUMAR.D	✓	✓	✓	✓	✓	✓					
6.	720915218006	CHARLS J.POTTAYIL	✓	✓	✓	✓	✓	✓					
7.	720915218007	DEVAMOORTHI.S	✓	✓	✓	✓	✓	✓					
8.	720915218008	DIVYA PRIYA.S	✓	✓	✓	✓	✓	✓					
9.	720915218009	ELDHOSE K.S	✓	✓	✓	✓	✓	✓					
10.	720915218010	HASIM SHIBIL. M	✓	✓	✓	✓	✓	✓					
11.	720915218012	KISHORE KUMAR.B	✓	✓	✓	✓	✓	✓					
12.	720915218013	KRIPA ANNA BABY	✓	✓	✓	✓	✓	✓					
13.	720915218014	KRISHNAKUMAR A.M	✓	✓	✓	✓	✓	✓					
14.	720915218015	LASIM SATH.N	✓	✓	✓	✓	✓	✓					
15.	720915218016	MADHAN RAJ.R	✓	✓	✓	✓	✓	✓					
16.	720915218017	MANO.P	✓	✓	✓	✓	✓	✓					
17.	720915218018	MEGHANA SHAJI	✓	✓	✓	✓	✓	✓					
18.	720915218019	MOHAMMED IFSANULLAH SHERIFF.S	✓	✓	✓	✓	✓	✓					
19.	720915218020	MUHAMMED SHAROOQUE P.B	✓	✓	✓	✓	✓	✓					

20.	720915218021	MORAJI DHINESH.R														
21.	720915218024	MUTHAIYAN.S														
22.	720915218025	NABEEL.P														
23.	720915218026	NANDHINI.K														
24.	720915218027	NISHANT SAGAR.P														
25.	720915218028	POONGODI.M														
26.	720915218029	PRAGADHEESWARAN.B														
27.	720915218030	PRAVEEN BALAJI														
28.	720915218031	PREETHI AISWARYA.E														
29.	720915218032	PRETHIKA.M														
30.	720915218033	PRIYADHARSHINI.G														
31.	720915218034	SANDESH SHYAM														
32.	720915218036	SANKAR.E														
33.	720915218038	SELVA MUTHU KUMAR														
34.	720915218039	SHARAFUDHEEN.K														
35.	720915218040	SHELINA.J														
36.	720915218042	SHYAM.S														
37.	720915218043	SUDHAGAR.T														
38.	720915218044	SUMITHRA.P														
39.	720915218045	SURYA.S														
40.	720915218046	THILAKRAJ.P														
41.	720915218048	VICITHRA.P														
42.	720915218049	VIGNESH.R														
43.	720915218050	VIJAYALAKSHMI.R														
44.	720915218501	CHANDRU. M														

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SENTHIL
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PRODUCTS (P) LIMITED

CERTIFICATE OF COMPLETION

This is to certify that

AISWARYA KRISHNA

has successfully completed the Value Added Course

during 12/06/2017 to 19/06/2017 on topic "***GREEN BIOTECHNOLOGY FOR FOOD SECURITY***" at **JCT College of Engineering and Technology, Pichanur, Coimbatore.**

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Pichanur, Coimbatore - 641105

TRAINER
(Mr. Prakash. J)

DIRECTOR
(Prof.K.NATARAJAN)

SENTHIL
PAPAIN AND FOOD
PRODUCTS (P) LIMITED

CERTIFICATE OF COMPLETION

This is to certify that

AKHIL PHILIP

has successfully completed the Value Added Course during 12/06/2017 to 19/06/2017 on topic "***GREEN BIOTECHNOLOGY FOR FOOD SECURITY***" at **JCT College of Engineering and Technology, Pichanur, Coimbatore.**

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TRAINER
(Mr. Prakash. J)

DIRECTOR
(Prof.K.NATARAJAN)

SENTHIL
PAPAIN AND FOOD
PRODUCTS (P) LIMITED

CERTIFICATE OF COMPLETION

This is to certify that

ARAVINDH A

has successfully completed the Value Added Course

during 12/06/2017 to 19/06/2017 on topic "***GREEN BIOTECHNOLOGY FOR FOOD SECURITY***" at **JCT College of Engineering and Technology, Pichanur, Coimbatore.**

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TRAINER
(Mr. Prakash. J)

DIRECTOR
(Prof.K.NATARAJAN)

SENTHIL
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PRODUCTS (P) LIMITED

CERTIFICATE OF COMPLETION

This is to certify that

ARULMANI.P

has successfully completed the Value Added Course

during 12/06/2017 to 19/06/2017 on topic "***GREEN BIOTECHNOLOGY FOR FOOD SECURITY***" at **JCT College of Engineering and Technology, Pichanur, Coimbatore.**

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Pichanur, Coimbatore - 641105

TRAINER

(Mr. Prakash. J)

DIRECTOR

(Prof.K.NATARAJAN)

SENTHIL
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CERTIFICATE OF COMPLETION

This is to certify that

AYANA.P.SANTHOSH

has successfully completed the Value Added Course

during 12/06/2017 to 19/06/2017 on topic "***GREEN BIOTECHNOLOGY FOR FOOD SECURITY***" at **JCT College of Engineering and Technology, Pichanur, Coimbatore.**

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TRAINER
(Mr. Prakash. J)

DIRECTOR
(Prof.K.NATARAJAN)

1.3 Curriculum Enrichment (30)

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (15)

2015-2016

Sl.No	Name of the value added courses (with 30 or more contact hours)offered during last five years	Introduced in Curriculum and year	Offered for students of Program	Signature of HoD
1	HANDS ON TRAINING ON COMMERICAL VEHICLES	2015-16	Department of Automobile Engineering	
2	HANDS ON TRAINING ON LIGHT VEHICLES			
3	ELECTRICAL WIRING FOR INDUSTRIAL BUILDING	2015-16	Department of Civil Engineering	
4	T-SPICE	2015-16	Department of Electronics and Communication Engineering	
5	ATMEL			
6	HANDS ON TRAINING ON NS2 SIMULATION & JAVA			
7	ENERGY CONSERVATION AND AUDITING	2015-16	Department of Petrochemical Engineering	
8	HANDS ON TRAINING ON " MOTOR WINDING DESIGN"	2015-16	Department of Electrical and Electronics Engineering	
9	HANDS ON TRAINING IN EMBEDDED SYSTEMS"			
10	MOBILE APPLICATION DEVELOPMENT			
11	NETWORK SECURITY	2015-16	Department of Computer Science and Engineering	
12			Department of Electronics and Communication Engineering	
13	CNC PART PROGRAMING AND MACHINING	2015-16	Department of Mechanical Engineering	
14	OIL EXTRATIONS EQUIPMENTS	2015-16	Department of Petroleum Engineering	
15	ADVANCED MUNCIPAL WASTE MANAGEMENT			
16	SOFT SKILLS TRAINING AND DEVELOPMENT	2015-16	Department of Science and Humanities	

Principal

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JCT College of Engineering & Technology
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JCT College of Engineering and Technology

Minutes of Meeting

Date : 1.6.2015
Time : 11.30 AM
Venue : Principal Chamber
Type : Special meeting to take decision on the conduct of Value added courses for the academic year 2015-16

Members present

1. Principal 2. HoD- Mech 3. HOD – CSE 4. HOD – Civil 5. HoD – PE 6. HoD – ECE 7 . HoD- S&H. 8. HOD- PCE 9.HoD – EEE 10. HOD – Automobile

Discussion

Planning to conduct Value added courses for benefit of students of below mentioned branches to enhance knowledge in the relevant field. All HoD's are asked to submit the proposal for conducting value added courses in their respective branches.

Resolution:

Based on the submitted proposals, the management is pleased to approve the following Value Added courses can be conducted for this academic year 2015-16.

Department	Name of the Course
Automobile Engineering	HANDS ON TRAINING ON COMMERICAL VEHICLES
Automobile Engineering	HANDS ON TRAINING ON LIGHT VEHICLES
Civil Engg	ELECTRICAL WIRING FOR INDUSTRIAL BUILDING
CSE	NETWORK SECURITY MOBILE APPLICATION DEVELOPMENT
ECE	Hands on Training on NS2 Simulation and JAVA
ECE	NETWORK SECURITY
ECE	T-SPICE
ECE	ATMEL
EEE	MOBILE APPLICATION DEVELOPMENT
EEE	HANDS ON TRAINING ON " MOTOR WINDING DESIGN"
EEE	HANDS ON TRAINING ON EMBEDDED SYSTEMS
Mechanical	CNC PART PROGRAMMING AND MACHINING
PE	OIL EXTRACTION EQUIPMENTS
PE	ADVANCED MUNCIPAL WASTE MANAGEMENT
S & H	SOFT SKILLS TRAINING AND DEVELOPMENT

Principal

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JCT College of Engineering and Technology

Cbe -105
01.06.2015

To Whomsoever it may concern

We have planned to Organize the following Value added courses in this academic year 2015-16 for the benefits of students of various branches of our institution. **Herewith we are declaring that the below claimed Value added course is not in the main regular curriculum.**

Department	Name of the Course
Automobile Engineering	HANDS ON TRAINING ON COMMERICAL VEHICLES
Automobile Engineering	HANDS ON TRAINING ON LIGHT VEHICLES
Civil Engg	ELECTRICAL WIRING FOR INDUSTRIAL BUILDING
CSE	NETWORK SECURITY MOBILE APPLICATION DEVELOPMENT
ECE	Hands on Training on NS2 Simulation and JAVA
ECE	NETWORK SECURITY
ECE	T-SPICE
ECE	ATMEL
EEE	MOBILE APPLICATION DEVELOPMENT
EEE	HANDS ON TRAINING ON " MOTOR WINDING DESIGN"
EEE	HANDS ON TRAINING ON EMBEDDED SYSTEMS
Mechanical	CNC PART PROGRAMMING AND MACHINING
PE	OIL EXTRACTION EQUIPMENTS
PE	ADVANCED MUNCIPAL WASTE MANAGEMENT
S & H	SOFT SKILLS TRAINING AND DEVELOPMENT

Principal

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Automobile Engineering

25.04.2016

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"HANDS ON TRAINING ON COMMERCIAL VEHICLES"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"HANDS ON TRAINING ON COMMERCIAL VEHICLES"** for the III and IV Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	Sree Saradhambal automobile Pvt Ltd	Department of Automobile Engineering	13.06.2016 to 20.06.2016

Thanking you

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

CIRCULAR

10.06.2016

It is here by informed that the department of Automobile is organizing value added course on **"HANDS ON TRAINING ON COMMERCIAL VEHICLES"** from 13-06-2016 to 20-06-2016.All the students are instructed to attend and get benefited.

To be read in:-

1) IV Year Auto
2) III year Auto

HoD/AUTO

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

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PICHANUR, COIMBATORE-641105

TÜV AUSTRIA

Department of Automobile Engineering

VALUE ADDED COURSE ON COMMERCIAL VEHILES

TIME TABLE

DATE	TIMING	TOPIC
13-06-2016 Wednesday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle tyres and wheels
14-06-2016 Thursday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle engine
15-06-2016 Friday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle clutches
16-06-2016 Saturday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle Transmission
18-06-2016 Monday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle steering system
19-06-2016 Tuesday	10.00 am to 5 pm	Study and Dismantling of heavy vehicle Breaks
20-06-2016 Wednesday	10.00 am to 5 pm	Dismantling and assembly of heavy vehicle suspension system

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HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	
1	ABITH KRISHNAN	
2	AHAMED BILAL.A	
3	AJITH.M	
4	ALTHAF	
5	ALTIN JOSEPH	
6	ANAS.K	
7	ARUN JAYA PRAKASH	
8	ARUN KRISHNAN.C	
9	DEEPAK MENON P.K	
10	FAZIL.M.P	
11	GANESH BABU.A	
12	GIRISH KUMAR.S	
13	GOKUL.R	
14	HARI RAM.M	
15	HASEEB .K.T	
16	JAYA KRISHNAN	
17	JOBIN P.JOSE	
18	MANSOOR ALI M.A	
19	MANU P.JOHNSON	
20	MOHAMMED AFINSHA A.P	
21	MOHAMMED SHAFIN	
22	MUNAVAR.P	

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23	MUNSHEERUL AHAD.K	
24	NAVEEN SIVADAS	
25	PADMAKUMAR.V	
26	PRADEEP KUMAR.K	
27	SAJEESHKUMAR.M	
28	SALMAN ASHIQ	
29	SALMANUL FARIS.P.K	
30	SANCHU RAVINDARAN	
31	SARAVANA SRINIVASAN	
32	SATHEESH.E	
33	SATHISH KUMAR.K	
34	SIRAJUDHEEN T.K	
35	SIVARAMALINGAM.S	
36	SUJITH.C	
37	SULFEEK.C.A	
38	SYED THANVEER.A	
39	VENKATESH PRABHU.S	
40	VIKNESVAR.K	
41	VIPIN SAM GEORGE	
42	BENNY.Y	
43	BHARATH.S	
44	GOWTHAM.A.G	
45	KOWSHICK.D	
46	MAGUDESWARAN	

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COIMBATORE 641 105

Department of Automobile Engineering

47	RAJEESH.R	
48	RAM KISHORE.D	
49	SHYAM.K	
50	VINEESH WILSON	

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	REMARKS
1	ABHILASH.E	
2	ACHUPRASAD.K.S	
3	ANBARASU.R.B	
4	ANTO NIRMAL.K	
5	ASHOK KUMAR.M	
6	GANESH BABU.D	
7	GAUTHAM.S	
8	IVIN.P.VARGHESE	
9	JISHNU K.V	
10	KRISHNALAL.A.R	
11	MAHENDRAN.V	
12	MAJEESH K.M	
13	MATHUBALAN.P	
14	MAVIN KUMAR.M	
15	MOHAMMED HABEEB.P.A	
16	NAVEEN KUMAR.P	
17	RINSHAD M.K	
18	SACHIN P DEV.S	
19	SAFEEQ.S	
20	SARAVANAN.A	
21	SASIDHARAN.G	
22	SHARUK HANIFA.S	

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COIMBATORE 641 105

Department of Automobile Engineering

23	SURYA KUMAR.B	
24	VISHNU VARDHAN.G	
25	YOGARAJ.P	
26	ANANDHAKUMAR.S	
27	ANSON MATHEW	
28	ARUNKUMAR.S	
29	BHARATHI RAJA.P	
30	FARIS.A.P	
31	HELVIS.P.CLECTUS	
32	JAI GANESH.E	
33	JAVEEN KUMAR.M	
34	JAGADEESH.T	
35	KARTHICK.R	
36	MUHAMMED SENIL.P	
37	MUTHUKUMAR.M	
38	NAVEEN.N	
39	PRAVEEN.T	
40	RAGHUL.B.R	
41	RAMESH.S	
42	REVANTH.V	
43	SAMSON.K.PAUL	
44	SANTHOSH KUMAR.M	
45	SANTHOSH.M	
46	SHAMEEM.K.T	
47	SUDIP MUKHERJEE	
48	SUNIL.K	
49	SURESH KUMAR.L	
50	THANZEER.K.M	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	13/6/16	13/6/16	14/6/16	14/6/16	15/6/16	15/6/16	16/6/16	16/6/16	17/6/16	17/6/16	20/6/16	20/6/16	20/6/16	20/6/16
1	ABHILASH.E														
2	ACHUPRASAD.K.S														
3	ANBARASU.R.B														
4	ANTO NIRMAL.K														
5	ASHOK KUMAR.M														
6	GANESH BABU.D														
7	GAUTHAM.S														
8	IVIN.P.VARGHESE														
9	JISHNU K.V														
10	KRISHNALAL.A.R														
11	MAHENDRAN.V														
12	MAJEESH K.M														
13	MATHUBALAN.P														
14	MAVIN KUMAR.M														
15	MOHAMMED HABEEB.P.A														
16	NAVEEN KUMAR.P														
17	RINSHAD M.K														
18	SACHIN P DEV.S														
19	SAFEEQ.S														
20	SARAVANAN.A														

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TÜV AUSTRIA

Department of Automobile Engineering

21	SASIDHARAN.G	1	1	a	a	a	1	1	1	1	1	1	1	1	1
22	SHARUK HANIFA.S	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	SURYA KUMAR.B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	VISHNU VARDHAN.G	1	1	a	a	a	a	a	1	1	1	1	1	1	1
25	YOGARAJ.P	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	ANANDHAKUMAR.S	1	1	1	1	1	a	a	a	a	1	1	1	1	1
27	ANSON MATHEW	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	ARUNKUMAR.S	1	1	1	1	a	a	a	a	1	1	1	1	1	1
29	BHARATHI RAJA.P	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	FARIS.A.P	1	1	1	1	1	1	1	1	a	a	1	1	1	1
31	HELVIS.P.CLECTUS	1	1	1	1	1	1	a	a	1	1	1	1	1	1
32	JAI GANESH.E	1	1	1	1	1	1	a	a	a	a	a	1	1	1
33	JAVEEN KUMAR.M	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	JAGADEESH.T	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	KARTHICK.R	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	MUHAMMED SENIL.P	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	MUTHUKUMAR.M	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	NAVEEN.N	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	PRAVEEN.T	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	RAGHUL.B.R	1	1	1	1	1	1	1	1	1	1	a	a	a	a
41	RAMESH.S	1	1	1	1	1	1	1	1	a	a	a	a	a	a
42	REVANTH.V	1	a	a	a	1	1	1	1	1	1	1	1	1	1
43	SAMSON.K.PAUL	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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Department of Automobile Engineering

44	SANTHOSH KUMAR.M													
45	SANTHOSH.M													
46	SHAMEEM.K.T													
47	SUDIP MUKHERJEE													
48	SUNIL.K													
49	SURESH KUMAR.L													
50	THANZEER.K.M													

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Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON COMMERCIAL VEHICLES**

S.NO	NAME OF THE STUDENT	15/6/16	16/6/16	17/6/16	18/6/16	19/6/16	20/6/16	21/6/16	22/6/16	23/6/16	24/6/16	25/6/16	26/6/16	27/6/16	28/6/16
1	ABITH KRISHNAN														
2	AHAMED BILAL.A														
3	AJITH.M														
4	ALTHAF														
5	ALTIN JOSEPH														
6	ANAS.K														
7	ARUN JAYA PRAKASH														
8	ARUN KRISHNAN.C														
9	DEEPAK MENON P.K														
10	FAZIL.M.P														
11	GANESH BABU.A														
12	GIRISH KUMAR.S														
13	GOKUL.R														
14	HARI RAM.M														
15	HASEEB .K.T														
16	JAYA KRISHNAN														
17	JOBIN P.JOSE														
18	MANSOOR ALI M.A														
19	MANU P.JOHNSON														
20	MOHAMMED AFINSHA A.P														

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21	MOHAMMED SHAFIN															
22	MUNAVAR.P															
23	MUNSHEERUL AHAD.K															
24	NAVEEN SIVADAS															
25	PADMAKUMAR.V															
26	PRADEEP KUMAR.K															
27	SAJEESHKUMAR.M															
28	SALMAN ASHIQ															
29	SALMANUL FARIS.P.K															
30	SANCHU RAVINDARAN															
31	SARAVANA SRINIVASAN															
32	SATHEESH.E															
33	SATHISH KUMAR.K															
34	SIRAJUDHEEN T.K															
35	SIVARAMALINGAM.S															
36	SUJITH.C															
37	SULFEEK.C.A															
38	SYED THANVEER.A															
39	VENKATESH PRABHU.S															
40	VIKNESVAR.K															
41	VIPIN SAM GEORGE															

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Department of Automobile Engineering

42	BENNY.Y														
43	BHARATH.S														
44	GOWTHAM.A.G														
45	KOWSHICK.D														
46	MAGUDESWARAN														
47	RAJEESH.R														
48	RAM KISHORE.D														
49	SHYAM.K														
50	VINEESH WILSON														

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TRAINING SYLLABUS FOR COMMERICAL VEHICLES

1. Tyres & Wheels
2. Engines
3. Clutches
4. Transmission
5. Steering
6. Revision to Basic Concepts
7. Breaks
8. Suspension
9. Study Materials

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COIMBATORE 641 105

Department of Automobile Engineering

Student Feedback

Name of the Student: SANJAY.N.N Sex (M/F): M

Department: Automobile E-mail Sanjaynv4112@gmail.com

Address: Nambadathy Valappil mobile 9694452568

Students are required to rate the courses

Name of the Trainer: VINEESH

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback	✓			
10. Overall rating	✓			

Signature of HOD

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AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE – 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. JAI GANESH.E has completed "**Hands** training on commercial vehicles" from 13.06.2016 to 20.06.2016 .His performance during this training period was Very Good.

DATE: 20.06.2016

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. SURESH KUMAR.L has completed "Hands training on commercial vehicles" from 13.06.2016 to 20.06.2016 .His performance during this training period was Very Good.

DATE: 20.06.2016

PRINCIPAL
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Pichanur, Coimbatore - 641105

Director

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AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. KRISHNALAL.A.R has completed "Hands on training on commercial vehicles" from 13.06.2016 to 20.06.2016 .His performance during this training period was Very Good.

DATE: 20.06.2016

PRINCIPAL
JCT College of Engineering & Technology
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Director

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SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. GANESH BABU.D has completed "Hands on training on commercial vehicles" from 13.06.2016 to 20.06.2016 .His performance during this training period was Very Good.

DATE: 20.06.2016

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Director

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CERTIFICATE OF COMPLETION

This is to certify that Mr. KRISHNALAL.A.R has completed "Hands on training on commercial vehicles" from 13.06.2016 to 20.06.2016 .His performance during this training period was Very Good.

DATE: 20.06.2016

Director

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105
Department of Automobile Engineering

16.11.2015

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"HANDS ON TRAINING ON LIGHT VEHICLES"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"HANDS ON TRAINING ON LIGHT VEHICLES"** for the III and IV Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	Sree Saradhambal automobile Pvt Ltd	Department of Automobile Engineering	07.12.2015 to 14.12.2015

Thanking you

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

CIRCULAR

03.12.2015

It is here by informed that the department of Automobile is organizing value added course on **"HANDS ON TRAINING ON LIGHT VEHICLES"** from 07-12-2015 to 14-12-2015.All the students are instructed to attend and get benefited.

To be read in:-

1) IV Year Auto
2) III year Auto

HoD/AUTO

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
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PICHANUR, COIMBATORE-641105

Department of Automobile Engineering

VALUE ADDED COURSE ON LIGHT VEHILES

TIME TABLE

DATE	TIMING	TOPIC
07-12-2015 Monday	10.00 am to 5 pm	Introduction of Light vehicle
08-12-2015 Tuesday	10.00 am to 5 pm	Pre requisite components of Light vehicle
09-12-2015 Wednesday	10.00 am to 5 pm	Dismantling and assembly of light vehicle steering system
10-12-2015 Thursday	10.00 am to 5 pm	Light Vehicle dynamics, Light Vehicle integration
11-12-2015 Friday	10.00 am to 5 pm	Light Vehicle motors and controllers
12-12-2015 Saturday	10.00 am to 5 pm	Light Vehicle batteries and tyres
14-12-2015 Monday	10.00 am to 5 pm	Vehicle propulsion systems

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT	REMARKS
1	ABHILASH.E	
2	ACHUPRASAD.K.S	
3	ANBARASU.R.B	
4	ANTO NIRMAL.K	
5	ASHOK KUMAR.M	
6	GANESH BABU.D	
7	GAUTHAM.S	
8	IVIN.P.VARGHESE	
9	JISHNU K.V	
10	KRISHNALAL.A.R	
11	MAHENDRAN.V	
12	MAJEESH K.M	
13	MATHUBALAN.P	
14	MAVIN KUMAR.M	
15	MOHAMMED HABEEB.P.A	
16	NAVEEN KUMAR.P	
17	RINSHAD M.K	
18	SACHIN P DEV.S	
19	SAFEEQ.S	
20	SARAVANAN.A	
21	SASIDHARAN.G	
22	SHARUK HANIFA.S	

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COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT	
1	ABITH KRISHNAN	
2	AHAMED BILAL.A	
3	AJITH.M	
4	ALTHAF	
5	ALTIN JOSEPH	
6	ANAS.K	
7	ARUN JAYA PRAKASH	
8	ARUN KRISHNAN.C	
9	DEEPAK MENON P.K	
10	FAZIL.M.P	
11	GANESH BABU.A	
12	GIRISH KUMAR.S	
13	GOKUL.R	
14	HARI RAM.M	
15	HASEEB .K.T	
16	JAYA KRISHNAN	
17	JOBIN P.JOSE	
18	MANSOOR ALI M.A	
19	MANU P.JOHNSON	
20	MOHAMMED AFINSHA A.P	
21	MOHAMMED SHAFIN	
22	MUNAVAR.P	
23	MUNSHEERUL AHAD.K	

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24	NAVEEN SIVADAS	
25	PADMAKUMAR.V	
26	PRADEEP KUMAR.K	
27	SAJEESHKUMAR.M	
28	SALMAN ASHIQ	
29	SALMANUL FARIS.P.K	
30	SANCHU RAVINDARAN	
31	SARAVANA SRINIVASAN	
32	SATHEESH.E	
33	SATHISH KUMAR.K	
34	SIRAJUDHEEN T.K	
35	SIVARAMALINGAM.S	
36	SUJITH.C	
37	SULFEEK.C.A	
38	SYED THANVEER.A	
39	VENKATESH PRABHU.S	
40	VIKNESVAR.K	
41	VIPIN SAM GEORGE	
42	BENNY.Y	
43	BHARATH.S	
44	GOWTHAM.A.G	
45	KOWSHICK.D	
46	MAGUDESWARAN	
47	RAJEESH.R	
48	RAM KISHORE.D	
49	SHYAM.K	
50	VINEESH WILSON	

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Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT	7/4/15	8/4/15	9/4/15	10/4/15	11/4/15	12/4/15	13/4/15	14/4/15	15/4/15	16/4/15	17/4/15	18/4/15	19/4/15	20/4/15
1	ABHILASH.E	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	ACHUPRASAD.K.S	a	/	/	/	/	/	/	/	/	a	/	/	/	/
3	ANBARASU.R.B	a	/	/	/	/	/	/	/	/	/	/	/	/	/
4	ANTO NIRMAL.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	ASHOK KUMAR.M	/	a	/	/	a	/	/	/	a	/	/	/	/	/
6	GANESH BABU.D	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	GAUTHAM.S	a	/	/	/	/	/	/	/	/	/	/	/	/	a
8	IVIN.P.VARGHESE	a	a	a	/	/	/	/	/	/	/	/	/	/	/
9	JISHNU K.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	KRISHNALAL.A.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	MAHENDRAN.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	MAJEESH K.M	/	/	/	a	a	a	/	/	/	/	/	/	a	a
13	MATHUBALAN.P	/	/	/	/	a	a	/	/	/	/	/	a	a	/
14	MAVIN KUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	MOHAMMED HABEEB.P.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	NAVEEN KUMAR.P	/	/	a	/	a	/	/	/	/	a	/	/	/	/
17	RINSHAD M.K	/	/	/	/	/	/	a	/	/	a	/	/	/	/
18	SACHIN P DEV.S	/	/	/	/	/	/		/	/	/	/	/	/	/
19	SAFEEQ.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	SARAVANAN.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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Department of Automobile Engineering

21	SASIDHARAN.G	/	/	/	/	/	/	/	/	/	/	/	/	a	/	
22	SHARUK HANIFA.S	/	/	/	/	a	/	/	a	a	a	/	/	/	/	
23	SURYA KUMAR.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
24	VISHNU VARDHAN.G	a	/	/	/	/	/	/	/	/	/	/	/	/	a	
25	YOGARAJ.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
26	ANANDHAKUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
27	ANSON MATHEW	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
28	ARUNKUMAR.S	/	a	/	/	/	a	/	/	/	/	/	a	/	/	
29	BHARATHI RAJA.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
30	FARIS.A.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
31	HELVIS.P.CLECTUS	/	a	/	a	/	a	/	/	/	/	/	/	/	/	
32	JAI GANESH.E	/	/	/	/	/	/	/	/	a	/	/	/	/	/	
33	JAVEEN KUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
34	JAGADEESH.T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
35	KARTHICK.R	a	/	/	/	a	/	/	/	/	a	/	/	/	/	
36	MUHAMMED SENIL.P	/	/	/	/	/	/	a	/	/	/	/	/	/	/	
37	MUTHUKUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
38	NAVEEN.N	/	/	/	/	/	/	/	a	a	a	a	a	a	a	
39	PRAVEEN.T	/	/	/	/	/	/	/	/	/	/	a	a	/	/	
40	RAGHUL.B.R	/	/	/	/	/	/	/	/	/	/	a	/	/	/	
41	RAMESH.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
42	REVANTH.V	/	/	/	/	/	a	a	a	a	/	/	/	/	/	
43	SAMSON.K.PAUL	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
44	SANTHOSH	a	/	/	/	/	/	/	a	/	a	/	/	/	a	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

Department of Automobile Engineering

	KUMAR.M	1	1	a	1	1	a	1	1	1	1	1	1	1	1
45	SANTHOSH.M	1	1	a	1	1	a	1	1	1	1	1	1	1	1
46	SHAMEEM.K.T	1	a	1	1	1	1	1	1	1	1	1	1	1	1
47	SUDIP MUKHERJEE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
48	SUNIL.K	a	1	1	1	1	1	1	1	1	1	1	1	1	1
49	SURESH KUMAR.L	1	1	1	1	1	1	1	1	1	1	1	1	1	1
50	THANZEER.K.M	1	1	1	1	1	1	1	1	1	a	a	1	1	1

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **HANDS ON TRAINING ON LIGHT VEHICLES**

S.NO	NAME OF THE STUDENT														
1	ABITH KRISHNAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	AHAMED BILAL.A	/	/	a	/	/	/	a	/	/	/	/	/	/	/
3	AJITH.M	/	/	/	/	a	a	/	/	/	/	/	/	/	
4	ALTHAF	/	/	a	/	/	/	/	/	/	/	a	/	/	a
5	ALTIN JOSEPH	a	/	/	a	/	/	/	/	/	a	/	/	/	/
6	ANAS.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	ARUN JAYA PRAKASH	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	ARUN KRISHNAN.C	a	/	/	/	/	/	/	/	/	/	/	/	/	/
9	DEEPAK MENON P.K	/	/	/	/	/	/	/	/	/	/	/	/	a	/
10	FAZIL.M.P	/	/	a	a	/	a	/	/	a	/	a	/	/	/
11	GANESH BABU.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	GIRISH KUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	GOKUL.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	HARI RAM.M	/	a	/	a	/	a	/	/	/	/	/	/	/	/
15	HASEEB .K.T	/	/	/	/	/	a	a	a	a	/	/	/	/	
16	JAYA KRISHNAN	a	/	/	/	/	a	/	/	/	/	a	/	a	/
17	JOBIN P.JOSE	/	/	/	/	/	/	/	/	/	/	/	/	/	a
18	MANSOOR ALI M.A	/	/	/	/	/	/	/	a	/	a	/	/	/	/
19	MANU P.JOHNSON	/	/	/	/	/	/	/	a	/	/	/	/	/	/
20	MOHAMMED AFINSHA A.P	/	/	/	/	/	/	/	/	a	/	/	/	/	/
21	MOHAMMED SHAFIN	a	/	/	/	/	/	/	/	/	/	/	/	/	/

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COIMBATORE 641 105

Department of Automobile Engineering

22	MUNAVAR.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	MUNSHEERUL AHAD.K	/	/	/	/	/	/	a	/	/	a	/	/	a	/	
24	NAVEEN SIVADAS	/	/	/	/	/	/	/	/	a	/	/	a	/	/	/
25	PADMAKUMAR.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	PRADEEP KUMAR.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	SAJEESHKUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	a	/	
28	SALMAN ASHIQ	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/
29	SALMANUL FARIS.P.K	/	/	/	/	/	/	/	/	/	a	a	/	/	a	
30	SANCHU RAVINDARAN	a	/	/	/	/	a	/	/	/	/	/	/	/	/	/
31	SARAVANA SRINIVASAN	/	/	/	/	/	/	a	/	/	/	/	a	/	/	/
32	SATHEESH.E	/	/	/	/	/	/	/	/	a	a	a	a	a	a	a
33	SATHISH KUMAR.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	SIRAJUDHEEN T.K	/	/	/	a	a	/	/	/	a	a	a	/	/	/	
35	SIVARAMALINGAM.S	a	/	/	/	/	/	/	/	/	/	/	/	/	/	a
36	SUJITH.C	/	/	/	/	/	/	/	/	/	/	/	a	a	a	
37	SULFEEK.C.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
38	SYED THANVEER.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
39	VENKATESH PRABHU.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40	VIKNESVAR.K	/	/	/	/	/	/	/	/	/	a	a	/	/	/	
41	VIPIN SAM GEORGE	/	/	/	/	a	/	/	a	/	/	/	a	/	/	
42	BENNY.Y	/	/	/	/	/	/	/	/	//	a		/	/	/	
43	BHARATH.S	/	/	/	/	/	/	/	a	/	a	/	a	a	a	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

| | | |

TRAINING SYLLABUS FOR LIGHT VEHICLES

1. History of light Vehicle
2. Pre-requisite
3. Steering
4. Vehicle Dynamics
5. Vehicle integration,
6. Motors used in vehicles
7. Controllers
8. Batteries and tyres
9. Vehicle Propulsion Systems

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Automobile Engineering

Student Feedback

Name of the Student: Salmaa Aashiq Sex (M/F): M

Department: Auto E-mail salmaa.khan@gmail.com

Address: 76 Rainbow Colony, Vadachenna mobile 9940000913

Students are required to rate the courses

Name of the Trainer: AARUL

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher				
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback	✓			
10. Overall rating		✓		

Signature of HOD

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

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ambal AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. NAVEEN.N *has completed "Hands on training on light vehicles" from 07.12.2015 to 14.12.2015 .His performance during this training period was Very Good.*

DATE: 14.12.2015

Director

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ambal
AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. ARUNKUMAR.S has completed "Hands on training on light vehicles" from 07.12.2015 to 14.12.2015 .His performance during this training period was Very Good.

DATE: 14.12.2015

Director

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ambal
AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. MAVIN KUMAR.M has completed "Hands on training on light vehicles" from 07.12.2015 to 14.12.2015 .His performance during this training period was Very Good.

DATE: 14.12.2015

PRINCIPAL
Kumaraguru College of Engineering & Technology
Chinnavedampatti, Coimbatore - 641105

Director

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ambal
AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD.
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. SUNIL.K *has completed "Hands on training on light vehicles" from* 07.12.2015 *to* 14.12.2015 *.His performance during this training period was Very Good.*

DATE: 14.12.2015

Director

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ambal
AUTO
AUTHORISED MARUTI DEALER

SREE SARADHAMBAL AUTOMOBILES (P) LTD,
SINGANALLUR, COIMBATORE - 641 005.

CERTIFICATE OF COMPLETION

This is to certify that Mr. ALTHAF has completed "Hands on training on light vehicles" from 07.12.2015 to 14.12.2015 .His performance during this training period was Very Good.

DATE: 14.12.2015

PRINCIPAL
JCT College of [illegible] Technology
Pichanur, [illegible]

Director

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE – 641105

18/04/2016

From

Head of the Department,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting the course on 'ELECTRICAL WIRING FOR INDUSTRIAL BUILDING" - Reg.

We are planned to conduct the course on "ELECTRICAL WIRING FOR INDUSTRIAL BUILDING" for our final year seventh semester civil engineering students during the semester holidays between 13/06/2016 to 20/06/2016. Hence I request you to kindly provide the permission for conducting the course.

Thank you,

Yours truly,

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

TIME TABLE

Course : ELECTRICAL WIRING FOR INDUSTRIAL BUILDING

Year/Semester : IV/VII

Duration : 13/06/2016 to 20/06/2016

Total hours : 30 Hours

THEORY CLASSES	:	13 – 17 &20/06/2016	- 10am to 12pm
PRACTICAL CLASSES	:	13 – 17 &20/06/2016	- 1.30pm to 4.30pm

Course Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

ELECTRICAL WIRING FOR INDUSTRIAL BUILDINGS

COURSE SYLLABUS

DURATION :30 HOURS (6 DAYS)

COURSE OBJECTIVES:

- Demonstrate proper safety practices and procedures
- Understand the proper function of tools and testing equipements
- Obtain the technical and academic skills necessary to enter work force.

INTRODUCTION

Industrial Wiring, Tools & Equipments, Basic Symbols & Sketches, Electrical Rules for common and industries, Is Code Provisions.

MATERIALS

Cables And Types, Telephone Cables, Wires, Conduits, Switch Gears, Panel Boards And Types, Electrical Fixtures And Fittings.

WIRING

Basic PVC Wiring, Basic MS Wiring, Concealed Type Wiring, Halogen, Sodium Vapor Fitting, Simple Control Circuit, Earth Pit

TESTING OF CIRCUITS

Insulation Test, Continuity Test, Polarity Test, Earth Test , Panel Board Test , Secondary Battery Test, Armature Test, Simple Fault Finding.

SAFETY

Causes Of Accident in industries, Reason For Shock, Personal Safety & Responsibility, Working At Height.

CASE STUDY AND SITE VISIT

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

STUDENTS NAME LIST

Course : ELECTRICAL WIRING FOR INDUSTRIAL BUILDINGS
Year/Semester : IV/VII
Batch : 2012
Academic year : 2015 - 2016
Duration : 13/06/2016 to 20/06/2016
Total hours : 30 Hours

S.NO	REG.NO	STUDENTS NAME
1	720912103001	Abdul Rahman.S
2	720912103003	Ajishad.V.p
3	720912103004	Ajmal Palattu Tharayil Bavu
4	720912103005	Akhila.B
5	720912103008	Arun.T
6	720912103009	Ashok Raja.B
7	720912103010	Asish K.S
8	720912103011	Barani Balan.P
9	720912103012	Dhanasekar.S
10	720912103014	Fasil babu V.p
11	720912103015	Hasheeb.H
12	720912103016	Hyder.S
13	720912103017	Jeezar.R
14	720912103018	Jishnu R.M
15	720912103019	Karthikeyan.E
16	720912103020	Maneesh.P.K
17	720912103021	Manjunath.V
18	720912103022	Mohammed Azarudeen.A
19	720912103023	Mohana Priya.M
20	720912103024	Nagaarjun.M

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21	720912103025	Nandhini.S
22	720912103026	Navaneeth.T.N
23	720912103027	Pibitto.V
24	720912103028	Prabhu.R
25	720912103029	Rajakumaran.M
26	720912103030	Ramanathan.R
27	720912103033	Rathish Rangaraj.G
28	720912103034	Risikesh.R
29	720912103035	Sajith
30	720912103036	Sakthi.S
31	720912103037	Saravanan.A
32	720912103038	Senthivel.M
33	720912103039	Shins.T
34	720912103040	Sivamurugan.M
35	720912103042	Sulekha.Y
36	720912103043	Suresh.A
37	720912103044	Suthakar.T
38	720912103047	Vignesh.P
39	720912103048	Vignesh.V
40	720912103301	Amal Varghese.
41	720912103302	Ashok Kumar.M
42	720912103304	Fawazn.N
43	720912103305	Hameem.M
44	720912103306	Kamal Raj.R
45	720912103308	Mohammed Arzal.
46	720912103309	Mohammed Rasid.N
47	720912103310	Mohammed Shafeeq.Up
48	720912103311	Mohammed Sanoj.T.K
49	720912103312	Ranjith.R
50	720912103313	Shiyad.C.K
51	720912103314	Vishnu Sankar
52	720912103315	Mohammed Safeer .P.K

Course Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Students Attendance

Course : ELECTRICAL WIRING FOR INDUSTRIAL BUILDINGS
Class : IVYear / VIIth Semester

S.NO	REG.NO	STUDENTS NAME	DATE											
			13/06/2016		14/06/2016		15/06/2016		16/06/2016		17/06/2016		20/06/2016	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720912103001	Abdul Rahman.S												
2	720912103003	Ajishad.V.p												
3	720912103004	Ajmal Palattu Tharayil Bavu												
4	720912103005	Akhila.B												
5	720912103008	Arun.T												
6	720912103009	Ashok Raja.B												
7	720912103010	Asish K.S												
8	720912103011	Barani Balan.P												
9	720912103012	Dhanasekar.S												
10	720912103014	Fasil babu V.p												
11	720912103015	Hasheeb.H												
12	720912103016	Hyder.S												
13	720912103017	Jeezar.R												
14	720912103018	Jishnu R.M												
15	720912103019	Karthikeyan.E												
16	720912103020	Maneesh.P.K												
17	720912103021	Manjunath.V												
18	720912103022	Mohammed Azarudeen.A												
19	720912103023	Mohana Priya.M												
20	720912103024	Nagaarjun.M												
21	720912103025	Nandhini.S												
22	720912103026	Navaneeth.T.N												
23	720912103027	Pibitto.V												
24	720912103028	Prabhu.R												
25	720912103029	Rajakumaran.M												
26	720912103030	Ramanathan.R												
27	720912103033	Rathish Rangaraj.G												
28	720912103034	Risikesh.R												
29	720912103035	Sajith												
30	720912103036	Sakthi.S												

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31	720912103037	Saravanan.A														
32	720912103038	Senthivel.M														
33	720912103039	Shins.T														
34	720912103040	Sivamurugan.M														
35	720912103042	Sulekha.Y														
36	720912103043	Suresh.A														
37	720912103044	Suthakar.T														
38	720912103047	Vignesh.P														
39	720912103048	Vignesh.V														
40	720912103301	Amal Varghese.														
41	720912103302	Ashok Kumar.M														
42	720912103304	Fawazn.N														
43	720912103305	Hameem.M														
44	720912103306	Kamal Raj.R														
45	720912103308	Mohammed Arzal.														
46	720912103309	Mohammed Rasid.N														
47	720912103310	Mohammed Shafeeq.Up														
48	720912103311	Mohammed Sanoj.T.K														
49	720912103312	Ranjith.R														
50	720912103313	Shiyad.C.K														
51	720912103314	Vishnu Sankar														
52	720912103315	Mohammed Safeer .P.K														

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

CERTIFICATE OF COMPLETION

This is to certify that Mr.Abdul Rahman.S (720912103001) has successfully completed the training course on *ELECTRICAL WIRING FOR INDUSTRIAL BUILDINGS* during 13/06/2016 to 20/06/2016 conducted by the department of Civil Engineering.

Course Coordinator

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

Head of the Department

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PICHANUR, COIMBATORE – 641 105

CERTIFICATE OF COMPLETION

This is to certify that Ajishad.V.P (720912103003) has successfully completed the training course on *ELECTRICAL WIRING FOR INDUSTRIAL BUILDINGS* during 13/06/2016 to 20/06/2016 conducted by the department of Civil Engineering.

Course Coordinator

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

Head of the Department

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PICHANUR, COIMBATORE – 641 105

CERTIFICATE OF COMPLETION

This is to certify that Mr. Arun.T (720912103008) has successfully completed the training course on *ELECTRICAL WIRING FOR INDUSTRIAL BUILDINGS* during 13/06/2016 to 20/06/2016 conducted by the department of Civil Engineering.

Course Coordinator

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

Head of the Department

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PICHANUR, COIMBATORE – 641 105

CERTIFICATE OF COMPLETION

This is to certify that Mr. ASHOK RAJA.B (720912103009) has successfully completed the training course on *ELECTRICAL WIRING FOR INDUSTRIAL BUILDINGS* during 13/06/2016 to 20/06/2016 conducted by the department of Civil Engineering.

Course Coordinator

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

Head of the Department

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PICHANUR, COIMBATORE - 641 105

CERTIFICATE OF COMPLETION

This is to certify that Mr. FASIL BABU V.P (720912103014) has successfully completed the training course on *ELECTRICAL WIRING FOR INDUSTRIAL BUILDINGS* during 13/06/2016 to 20/06/2016 conducted by the department of Civil Engineering.

Course Coordinator

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

Head of the Department

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Training Evaluation Form

Title of event: ELECTRICAL WIRING FOR INDOSTRIAL BUILDINGS

Date of event: 20/06/16

Location of event: CLASS ROOM AND HOSTEL BUILDINGS

Instructions: Please tick your level of agreement with the statements listed below	Strongly Agree	Agree	Disagree	Strongly Disagree	Not relevant to this event
1.The objectives of the training were met	✓				
2.The presenters were engaging		✓			
3.The presentation materials were relevant	✓				
4.The content of the course was organised and easy to follow		✓			
5.The trainers were well prepared and able to answer any questions	✓				
6.The course length was appropriate	✓				
7. The pace of the course was appropriate to the content and attendees		✓			
8.The exercises/role play were helpful and relevant	✓				
9.The venue was appropriate for the event		✓			-

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10. What was most useful?

11. What was least useful?

12. What else would you like to see included in this event?Are there any other topics that you wouldlike to be offered training courses in?

13. Would you recommend this course to colleagues? Yes/No Why?

Yes, I get more informations from this training

14. Any other comments?

No

THANK YOU FOR COMPLETING THIS EVALUATION FORM. FEEDBACK RECEIVED WILL BE USED TO PROVIDE IMPROVEMENTS TO FUTURE EVENTS.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE – 641105

04/11/2015

From

Head of the Department,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting the course on "ADVANCED SURVEYING USING TOTAL STATION AND GPS" - Reg.

In our Civil Engineering department, we are planned to conduct the course on "ADVANCED SURVEYING USING TOTAL STATION AND GPS" for our third year fifth semester civil engineering students during the semester holidays between 14/12/2015 to 21/12/2015. Hence I request you to kindly provide the permission for conducting the above course successfully.

Thanking you,

Yours truly,

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

ADVANCED SURVEYING USING TOTAL STATION AND GPS
COURSE SYLLABUS

DURATION :30 HOURS (6 DAYS)

This course is designed to the students to handle advanced survey equipments total station, GPS and to execute large survey projects.

COURSE OBJECTIVES

- To provide introduction to Survey using Total Station and GPS
- Interactive lecture sessions with good multimedia content
- Exposure to different types of Survey projects carried out in present day industry
- Hands on experience in using Total Station and GPS
- Hands on practical session on Plotting and mapping in CAD

COURSE CONTENTS:

INTRODUCTION:

various concepts involved in Surveying as well as various methods of data collection using Total Station, Importance of Surveying in present day life, Methodologies adopted and instruments used for surveying presently and in earlier days, Types of surveying data collection methods, Several Surveying methods (like traverse, triangulation) to provide the control points, Bowditch Adjustment Method

PRACTICAL SESSION:

TOTAL STATION

Tripod Setting ,Bubble Setting and Tilt Setting,Creating New Job/File , Station , Back Sight,Fore Sight and Pole Handling, Measuring and Storing Points,Tape Measurement and Area Survey, Change Point(CP) Shifting using Fore Sight Method, Change Point(CP) Shifting using Resection Method , REM and MLM, Setting Out - Using Coordinates-Using Distance and Angle - Points at Equal length and Column Marking, Angles and Area Calculation Level Shifting

GPS Base,Rover,GPS Connections and Settings, Operating, Area Survey, Setting Out,COGO, Data Downloading,Data Processing, Converting Survey Data into AutoCAD format.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

TIME TABLE

Course : ADVANCED SURVEYING USING TOTAL STATION AND GPS
Year/Semester : III/V
Batch : 2013
Academic year : 2015 - 2016
Duration : 14/12/2015 to 21/12/2015
Total hours : 30 Hours

THEORY CLASSES	:	14 – 18 &21/12/2015	- 10am to 12pm
PRACTICAL CLASSES	:	14 – 18 &21/12/2015	- 1.30pm to 4.30pm

Course Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

STUDENTS NAME LIST

Course : ADVANCED SURVEYING USING TOTAL STATION AND GPS
Year/Semester : III/V
Batch : 2013
Academic year : 2015 - 2016
Duration : 14/12/2015 to 21/12/2015
Total hours : 30 Hours

S.NO	REG.NO	STUDENTS NAME
1	720913103001	ABDUL AFEED T K
2	720913103002	ABDUL NAUFAL P B
3	720913103003	ABDUL NAZAR P K
4	720913103004	AJAY C P
5	720913103005	AMAL M P
6	720913103006	ANAS MOHAMED P V
7	720913103007	ANEES PRADEEPA A
8	720913103008	ANJANA K
9	720913103009	ARJUNAN N
10	720913103010	ARUL PRAKASH R
11	720913103011	ARUN A
12	720913103012	ARUN K
13	720913103013	ARUN RAJ K
14	720913103014	ASHIQ P T
15	720913103015	ASNA H
16	720913103016	AZHARUDHEEN K
17	720913103017	BALAKRISHNAN N
18	720913103019	DEEPAK VISWAMBARAN
19	720913103020	GOKUL K
20	720913103021	GUNABALA G
21	720913103022	HARIPRIYA N

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22	720913103024	JASINIYA P
23	720913103025	JEYON GEORGE
24	720913103026	JISHNU P
25	720913103027	JITHIN P
26	720913103028	KARTHICK R
27	720913103029	KATHIRAVAN R
28	720913103030	KEERTHI S
29	720913103031	MANU R
30	720913103032	MITHUN C
31	720913103033	MOHAMED ASLAM
32	720913103034	MOHAMMED SANOOP M
33	720913103035	MOHAMMED SHAMEEM K
34	720913103036	MOHAN KUMAR C
35	720913103037	MUHAMMED SAALIM K
36	720913103038	MUNEESWARAN M
37	720913103039	MUTHUPANDI P
38	720913103040	MUTHURAJ M
39	720913103041	PAVITHRAA T
40	720913103046	RAJESH KANNA M
41	720913103047	RANJITH E
42	720913103048	RAVINA V
43	720913103049	REVANTH M
44	720913103050	SANGESH J
45	720913103051	SARAVANAN S
46	720913103052	SETHUMAHARAJAN M
47	720913103053	SHANTY E S
48	720913103054	SREE RANJINI S
49	720913103055	SUBIN ABRAHAM
50	720913103056	SURESH KUMAR A
51	720913103057	VADIVEL C
52	720913103058	VARUN PRASAD A K
53	720913103059	VENGADESAN V
54	720913103301	HARITHA K.B

Course Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Students Attendance

Course : ADVANCED SURVEYING USING TOTAL STATION AND GPS

Class : IIIYear / Vth Semester

S.NO	REG.NO	STUDENTS NAME	DATE											
			14/12/2015		15/12/2015		16/12/2015		17/12/2015		18/12/2015		21/12/2015	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720913103001	ABDUL AFEED T K												
2	720913103002	ABDUL NAUFAL P B												
3	720913103003	ABDUL NAZAR P K												
4	720913103004	AJAY C P												
5	720913103005	AMAL M P												
6	720913103006	ANAS MOHAMED P V												
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8	720913103008	ANJANA K												
9	720913103009	ARJUNAN N												
10	720913103010	ARUL PRAKASH R												
11	720913103011	ARUN A												
12	720913103012	ARUN K												
13	720913103013	ARUN RAJ K												
14	720913103014	ASHIQ P T												
15	720913103015	ASNA H												
16	720913103016	AZHARUDHEEN K												
17	720913103017	BALAKRISHNAN N												
18	720913103019	DEEPAK VISWAMBARAN												
19	720913103020	GOKUL K												
20	720913103021	GUNABALA G												
21	720913103022	HARIPRIYA N												
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23	720913103025	JEYON GEORGE												
24	720913103026	JISHNU P												
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28	720913103030	KEERTHI S												
29	720913103031	MANU R												
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31	720913103033	MOHAMED ASLAM												
32	720913103034	MOHAMMED SANOOP M												
33	720913103035	MOHAMMED SHAMEEM K												
34	720913103036	MOHAN KUMAR C												

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35	720913103037	MUHAMMED SAALIM K															
36	720913103038	MUNEESWARAN M															
37	720913103039	MUTHUPANDI P															
38	720913103040	MUTHURAJ M															
39	720913103041	PAVITHRAA T															
40	720913103046	RAJESH KANNA M															
41	720913103047	RANJITH E															
42	720913103048	RAVINA V															
43	720913103049	REVANTH M															
44	720913103050	SANGESH J															
45	720913103051	SARAVANAN S															
46	720913103052	SETHUMAHARAJAN M															
47	720913103053	SHANTY E S															
48	720913103054	SREE RANJINI S															
49	720913103055	SUBIN ABRAHAM															
50	720913103056	SURESH KUMAR A															
51	720913103057	VADIVEL C															
52	720913103058	VARUN PRASAD A K															
53	720913103059	VENGADESAN V															
54	720913103301	HARITHA K.B															

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ANEES PRADEEPA A (720913103007) has successfully completed the training course on *ADVANCED SURVEYING USING TOTAL STATION AND GPS* during 14/12/2015 to 21/12/2015 conducted by the department of Civil Engineering.

Date: 23/12/2014

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ANJANA K (720913103008) has successfully completed the training course on *ADVANCED SURVEYING USING TOTAL STATION AND GPS* during 14/12/2015 to 21/12/2015 conducted by the department of Civil Engineering.

Date: 23/12/2014

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ARJUNAN N (720913103009) has successfully completed the training course on *ADVANCED SURVEYING USING TOTAL STATION AND GPS* during 14/12/2015 to 21/12/2015 conducted by the department of Civil Engineering.

Date: 23/12/2014

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ARUL PRAKASH R (720913103010) has successfully completed the training course on *ADVANCED SURVEYING USING TOTAL STATION AND GPS* during 14/12/2015 to 21/12/2015 conducted by the department of Civil Engineering.

Date: 23/12/2014

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ARUN A (720913103011) has successfully completed the training course on *ADVANCED SURVEYING USING TOTAL STATION AND GPS* during 14/12/2015 to 21/12/2015 conducted by the department of Civil Engineering.

Date: 23/12/2014

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JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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Training Evaluation Form

Title of event: ADVANCED SURVEYING USING TOTAL STATION AND GPS

Date of event: 21-12-15

Location of event: SURVEYING LAB.

Instructions: Please tick your level of agreement with the statements listed below	Strongly Agree	Agree	Disagree	Strongly Disagree	Not relevant to this event
1.The objectives of the training were met	✓				
2.The presenters were engaging		✓			
3.The presentation materials were relevant		✓			
4.The content of the course was organised and easy to follow	✓				
5.The trainers were well prepared and able to answer any questions		✓			
6.The course length was appropriate	✓				
7. The pace of the course was appropriate to the content and attendees		✓			
8.The exercises/role play were helpful and relevant	✓				
9.The venue was appropriate for the event	✓				

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10. What was most useful?

11. What was least useful?

12. What else would you like to see included in this event?Are there any other topics that you wouldlike to be offered training courses in?

13. Would you recommend this course to colleagues? Yes/No Why?

Yes, Beause I get enpected good training

14. Any other comments?

No.

THANK YOU FOR COMPLETING THIS EVALUATION FORM. FEEDBACK RECEIVED WILL BE USED TO PROVIDE IMPROVEMENTS TO FUTURE EVENTS.

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1.12.2015
Pichanur

From

Dr.G.Rajiv Suresh Kumar,
Department of Computer Science and Engineering,
JCT College of Engineering and Technology,
Coimbatore-641105.

To

The Managing Director,
SRI TECHNOLOGY,
Coimbatore.

Dear Sir,

Sub: Requesting for Allocating a Trainer Expert – Reg

Greetings from JCT College of Engineering and Technology

We would like to bring to your kind notice, that we the department of computer science and Engineering is in need of an Trainer Expert from your company for Mobile Application Development. The Trainer will be handling classes for the III and IV year CSE Students during semester.Sir I request you to give permission for the above at the earliest.

Thanking you

Yours Sincerely,

Dr.Rajiv Suresh Kumar

SRI TECHNOLOGY
WWW: www.sritechnologies.in | Email:sritechnology@gmail.com
Future in your Hand

16.05.2016
Coimbatore

To

Dr.G.Rajiv Suresh Kumar,
Department of Computer Science and Engineering,
JCT College of Engineering and Technology,
Coimbatore-641105.

Dear Sir,

Sub : [Ms.U.Selvi] Education Trainer Allocation– Reg.

We thank you for your letter regarding training. We are happy to offer courses to your students of B.E (Computer Science and Engineering) in **Mobile Application and Development.**

Thanking you,

Yours Sincerely

(Natarajan.K)

#140A , Co-Operative Colony, Park Avenue ,Singanallur road ,Uppilipalayam(post),Coimbatore- 6410105, call-8508568323.

Mobile Application Development Course Content

1.Introduction
a.Introduction to Mobile Computing
b.IntroductiontoAndroid Development Environment

2.Factors in Developing Mobile Applications
a.Mobile Software Engineering
b.Frameworks and Tools
c.Generic UI Development
d.Android User

3.More on UIs
a.VUIs and Mobile Apps
b.Designing the Right UI
c.Multichannel and Multimodial UIs

4.Intents and Services
a.Android Intents and Services
b.Characteristics of Mobile Applications
c.Successful Mobile Development

5.Storing and Retrieving Data
a.Synchronization and Replication of Mobile Data
b.Getting the Model Right
c.Android Storing and Retrieving Data
d.Working with a Content Provider

6.Communications Via Network and the Web
a.State Machine
b.Correct Communications Model
c.Android Networking and Web

JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

Department of Computer Science and Engineering

Circular

December 5, 2015.

Our Department is willing to conduct a course on "Mobile Application Development" for third and final year CSE for 7 days. The details are given below.

The students are instructed to attend the course without fail.

S.NO.	Name of the Event	Resource Person	Organized by	Date
1	Mobile Application Development	Mrs.U.Selvi, Sri Technology, Coimbatore.	Department of CSE	8.12.15 to 15.12.15

Association coordinator

HOD/CSE

To

Class Advisor and Tutors of IV year CSE students (To be read in the class room) and all the faculty members of CSE dept.

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur ,Coimbatore-641105

TÜV AUSTRIA

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

CERTIFICATE COURSE- **Mobile Application Development**

5.12.15

Name of the Trainer: Mrs.U.Selvi
Name of the Program: Mobile Application Development

TIMETABLE

S.no	Date	Time	Topic
1	08.12.2015	9.00 AM to 12.30 PM	Introduction to Mobile Computing IntroductiontoAndroid Development Environment
		1.00 PM to 5.30 PM	Mobile Software Engineering rameworks and Tools
2	09.12.2015	9.00 AM to 12.30 PM	Generic UI Development Android User
		1.00 PM to 5.30 PM	VUIs and Mobile Apps Designing the Right UI
3	10.12.2015	9.00 AM to 12.30 PM	Multichannel and Multimodial UIs
		1.00 PM to 5.30 PM	Android Intents and Services
4	11.12.2015	9.00 AM to 12.30 PM	Characteristics of Mobile Applications
		1.00 PM to 5.30 PM	Successful Mobile Development
5	12.12.2015	9.00 AM to 12.30 PM	Synchronization and Replication of Mobile Data
		1.00 PM to 5.30 PM	Getting the Model Right
6	14.12.2015	9.00 AM to 12.30 PM	Android Storing and Retrieving Data
		1.00 PM to 5.30 PM	Working with a Content Provider
7	15.12.2015	9.00 AM to 12.30 PM	State Machine Correct Communications Model
		1.00 PM to 5.30 PM	Android Networking and Web

Faculty Co-ordinator

HOD/CSE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

STUDENT REGRISTRATION

Academic year 2015-2016

Name of the Trainer:Ms.U.Selvi.

Name of the Program: Mobile Application Development

S.NO	NAME OF THE STUDENT	SIGN
1.	AAKASH.V.J	
2.	ARUN.D	
3.	ASWIN VISWAS.V	
4.	ATHUL JOHNY	
5.	DEEPIKA.K	
6.	DIVYA.C	
7.	HARIKRISHNAN.R	
8.	HARITHA.K	
9.	JEEVA.R	
10.	JISHNU.G	
11.	MALARVIZHI.K	
12.	MANJUPRIYA.C	
13.	MOHAMMED JISHAD.E.P	
14.	RAMSINA.A	
15.	RUKSANA PARVEEN.A	
16.	SAJEEV.S	
17.	SAPNA.B	
18.	SHIJISHA.K	
19.	SHITHIN JOSE	
20.	SILPA JOSE	
21.	SIVARAMAKRISHNAN.S	
22.	SOWMYABEGAM.M	
23.	VISHNU.K	
24.	ANSAR HUSAIN M C	
25.	RINAS P N	
26.	BEN ROBY	
27.	BHOOPATHY.S	
28.	KISHORE.V	
29.	PRASANTH.N	
30.	PRAVEEN.D	
31.	RANJITH KUMAR.G	
32.	SENDHU.R	
33.	SHAFIK.S	
34.	SHAMEER.K	
35.	ABHIJITH.K	
36.	ADARSH P.R	
37.	AISWARYA.T	

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COIMBATORE 641 105

Department of Computer Science and Engineering

38.	AJITH KUMAR.K	
39.	AKHIL SANTHOSH	
40.	AMBILIKALA	
41.	ARAVIND MOHAN	
42.	ASHIK.K.H	
43.	BIBINA.K.P	
44.	ELSA TOY KANICHAI	
45.	JIBIRA	
46.	KANNATH SUDEESH BALAKRISHNAN	
47.	LAVANYA S	
48.	MIDHUN V.S	
49.	MOHAMMED RASHIDE.P.R	
50.	MUHAMMED ANAIS.A	
51.	NAJEEB MAIDEEN	
52.	PRINCE VARGHESE	
53.	RABSIN.A	
54.	RAFKAN RAZAK P.P	
55.	RAHUL.K	
56.	RIJIN.N.P	
57.	SACHIN.S	
58.	SAGAR.S	
59.	SAGAR.V	
60.	SANGHAVI.A	
61.	SHAJITHA BEGUM.K	
62.	SHIBITHRA.M	
63.	SIDDHARTH.K.S	
64.	SPARSA.S	
65.	SREEJITH.S	
66.	SREENATH.K.A	
67.	SUDHIN.S	
68.	SUHAIL S.M	
69.	SURESH KANNAN.K	
70.	VISHNU PRIYA	
71.	VISHNU VIJAY	
72.	WASEEM AHAMAD K.V.T	
73.	ABHISHEK RAMACHANDRAN	
74.	ARUN.C	
75.	POORNIMA.K.J	
76.	SRUTHI.R	
77.	STEVEN PETER	
78.	SURABHI.A.S	

Signature of HOD.

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COIMBATORE 641 105

Department of Computer Science and Engineering

ATTENDANCE SHEET

Academic year 2015-2016

Name of the Trainer:Ms.U.Selvi.

Name of the Program: Mobile Application Development

S.NO	NAME OF THE STUDENT	8/12	8/12	9/12	9/12	10/12	10/12	11/12	11/12	12/12	12/12	14/12	14/12	15/12	15/12
1.	AAKASH.V.J	/	/	/	/	/	/	/	-	/	/	/	/	/	/
2.	ARUN.D	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	ASWIN VISWAS.V	/	/	/	/	/	/	-	-	/	/	/	/	/	-
4.	ATHUL JOHNY	/	/	/	/	a	a	/	/	a	a	a	a	/	/
5.	DEEPIKA.K	a	a	/	/	/	/	/	/	/	/	-	-	/	/
6.	DIVYA.C	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	HARIKRISHNAN.R	/	/	/	/	/	/	a	a	/	/	/	/	a	a
8.	HARITHA.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	JEEVA.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	JISHNU.G	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	MALARVIZHI.K	/	/	a	a	/	/	/	/	/	/	/	/	/	/
12.	MANJUPRIYA.C	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	MOHAMMED JISHAD.E.P	/	/	/	/	/	/	/	/	/	/	/	/	a	a
14.	RAMSINA.A	/	/	/	/	/	/	a	a	/	/	/	/	/	/
15.	RUKSANA PARVEEN.A	/	/	/	/	/	/	/	/	/	/	a	a	/	/
16.	SAJEEV.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	SAPNA.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	SHIJISHA.K	/	/	/	/	/	/	/	/	a	a	/	/	/	/
19.	SHITHIN JOSE	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	SILPA JOSE	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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COIMBATORE 641 105

Department of Computer Science and Engineering

21.	SIVARAMAKRISHNAN.S																
22.	SOWMYABEGAM.M																
23.	VISHNU.K																
24.	ANSAR HUSAIN M C																
25.	RINAS P N																
26.	BEN ROBY																
27.	BHOOPATHY.S																
28.	KISHORE.V																
29.	PRASANTH.N																
30.	PRAVEEN.D																
31.	RANJITH KUMAR.G																
32.	SENDHU.R																
33.	SHAFIK.S																
34.	SHAMEER.K																
35.	ABHIJITH.K																
36.	ADARSH P.R																
37.	AISWARYA.T																
38.	AJITH KUMAR.K																
39.	AKHIL SANTHOSH																
40.	AMBILIKALA																
41.	ARAVIND MOHAN																
42.	ASHIK.K.H																
43.	BIBINA.K.P																
44.	ELSA TOY KANICHAI																
45.	JIBIRA																
46.	KANNATH SUDEESH BALAKRISHNAN																

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COIMBATORE 641 105

Department of Computer Science and Engineering

47.	LAVANYA S															
48.	MIDHUN V.S															
49.	MOHAMMED RASHIDE.P.R															
50.	MUHAMMED ANAIS.A															
51.	NAJEEB MAIDEEN															
52.	PRINCE VARGHESE															
53.	RABSIN.A															
54.	RAFKAN RAZAK P.P															
55.	RAHUL.K															
56.	RIJIN.N.P															
57.	SACHIN.S															
58.	SAGAR.S															
59.	SAGAR.V															
60.	SANGHAVI.A															
61.	SHAJITHA BEGUM.K															
62.	SHIBITHRA.M															
63.	SIDDHARTH.K.S															
64.	SPARSA.S															
65.	SREEJITH.S															
66.	SREENATH.K.A															
67.	SUDHIN.S															
68.	SUHAIL S.M															
69.	SURESH KANNAN.K															
70.	VISHNU PRIYA															
71.	VISHNU VIJAY															
72.	WASEEM AHAMAD															

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

	K.V.T	/	/	/	/	/	/	/	/	/	/	/	/	/	/
73.	ABHISHEK RAMACHANDRAN	/	/	/	/	/	/	/	/	a	a	/	/	/	/
74.	ARUN.C	/	/	a	a	a	a	/	/	/	/	/	/	a	a
75.	POORNIMA.K.J	/	/	/	/	/	/	/	/	/	/	/	/	/	/
76.	SRUTHI.R	/	/	/	/	/	/	a	a	/	/	a	a	/	/
77.	STEVEN PETER	a	a	/	/	/	/	/	/	/	/	/	/	/	/
78.	SURABHI.A.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Signature of HOD.

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JCT

From,

Mr. Ajish A

ECE department

JCT College of Engineering and Technology

Pichanur, Coimbatore

To,

Mr. S Anand

CEO, Megatronics ,

Coimbatore

Tamil nadu

Respected Sir,

Subject: Regard-conducting a Value Added Course

We had a plan to conduct a five days Value Added Course on ATMEL in 5th October 2015 to 9th October 2015. We will be glad if you can conduct the event, kindly send us your willingness along with expense and comfortable schedule.

Thanking you,

Mr. Ajish A

AP/ECE

Date: 29/09/2015

Place: Pichanur

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From,

Mr. S Anand

CEO, Megatronics ,

Coimbatore

Tamil nadu

To,

The principal

JCT College of Engineering and Technology

Coimbatore-641 105

Dear Sir,

Greetings from Megatronics:

First we would like thank you and the college management for giving us an opportunity to submit our quote to conduct a five days Value Added Course on ATMEL in 5th October 2015 to 9th October 2015.

Date: Coimbatore

Place: 30/09/2015

Thanking you

Mr. S Anand

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JCT. JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 28.09.2015

We had a plan to conduct a five days Value Added Course on ATMEL in 5th October 2015 to 9th October 2015 in our department. So we kindly request all the students to participate in this Course and update your technical knowledge.

HOD

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ICT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE
DEPARTMENT: ELECTRONICS AND COMMUNICATION ENGINEERING
VALUE ADDED COURSE

COURSE NAME: ATMEL

Academic Year: 2015 - 2016 — TIME TABLE

PERIOD/TIME	9.20-10.00	10.00-10.45		11.00-11.45	11.45-12.30		01.20-02.05	02.05-02.50	02.50-03.35
DATE	I	II		III	IV		V	VI	VII
5/10/2015	INAGURATION			INTRODUCTION			DESIGN AVR RISC		
6/10/2015	PIC		BREAK	AVR SETUP		LUNCH	ADC		
7/10/2015	ATMEL USING 8 BIT			ATMEL IS COMBINING OTHER TECHNOLOGY			ATMEL IS COMBINING OTHER TECHNOLOGY		
8/10/2015	PROGRAMMING			PROGRAMMING			LAB SESSION		
9/10/2015	LAB SESSION			TEST			PROJECT		

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ATMEL
AVR 8 bit RISC
MICROCONTROLLERS



a general comparison

- Session 1 Introduction about ATMEL
- Session 2 basics about AVR RISC
- Session 3 picoPower Technology
- Session 4. AVR setup
- Session 5: Analog to Digital conversion
- Session 6: ATMEL using 8 bit
- Session 7 How to combine with other technologies
- Session 8 Basic Programs

What does AVR RISC mean?

- The acronym AVR has been reported to stand for: Advanced Virtual RISC and also for the chip's designers: Alf-Egil Bogen and Vegard Wollan who designed the basic architecture at the Norwegian Institute of Technology.
- RISC stands for **reduced instruction set computer.**
  CPU design with a reduced instruction set as well as a simpler set of instructions (like for example PIC and AVR)

A little history

- The PIC (Programmable Interrupt Controller) appeared around 1980.
  - 8 bit bus
  - executes 1 instruction in 4 clk cycles
  - Harvard architecture
- AVR (1994)
  - 8 bit bus
  - one instruction per cycle
  - Harvard architecture

AVR 8-Bit RISC High Performance

- True single cycle execution
  - → single-clock-cycle-per-instruction execution
  - → PIC microcontrollers take 4 clock cycles per instruction
- One MIPS (mega instructions per second) per MHz
  - → up to 20 MHz clock
- 32 general purpose registers
  - → provide flexibility and performance when using high level languages
  - → prevents access to RAM
- Harvard architecture
  - → separate bus for program and data memory

AVR 8-Bit RISC Low Power Consumption

- 1.8 to 5.5V operation
  - → will use all the energy stored in your batteries
- A variety of sleep modes
  - → AVR Flash microcontrollers have up to six different sleep modes
  - → fast wake-up from sleep modes
- Software controlled frequency

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AVR 8-Bit RISC Compatibility

- AVR® Flash microcontrollers share a single core architecture
  - → use the same code for all families
  - → 1 Kbytes to 256 Kbytes of code

→8 to 100 pins
→ all devices have Internal oscillators



AVR 8-Bit RISC - picoPower Technology

- "PicoPower enables AVR to achieve the industry's lowest power consumption with 650 nA with a RTC (real time clock) running and 100nA in Power Down sleep" (from ATMEL website)
- - True 1.8V Supply Voltage
  - Minimized Leakage Current
  - Ultra Low Power 32 kHz Crystal Oscillator
  - Digital Input Disable Registers
  - Power Reduction Register

us in

So what chip should I use?

- the application chooses the chip
- each family has a large number of variants
- the number of pins, the package, the cost of the chip, the peripherals, the operating voltage, the current consumption, and so forth
- PIC is more application oriented
- AVR mostly pin #s and flash memory differ

Many choices

- TI(MSP430), Zilog (Z8), Freescale (SC8), Atmel(AVR), Microchip (PIC), ST, Renesas / Hitachi (Mx or H8), Philips (8051) as just few of the many possible selections
- MICROCHIP ATMEL and MSP430
  - → **FREE SAMPLES**

AVR has very good documentation

- Wide use
- AVRFreaks .net
- Free software

Most Importantly!!!

- Best C compiler to start programming in C
  - → and it is FREE

Code Vision AVR
→ http://www.hpinfotech.ro/

- AVR Studio 4 also free from:
  http://www.atmel.com/dyn/products/tools_card.asp?tool_id=2725

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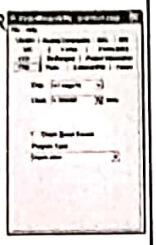
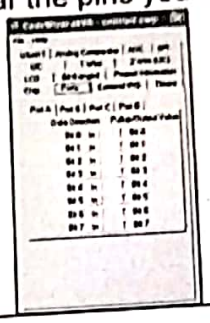
Code Vision AVR setup

- After opening Code Vision AVR click on:
  - → tools
  - → codewizardAVR

  select you chip version and oscillator frequency

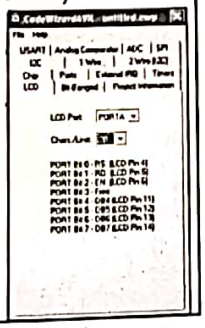


Set/clear the pins you want



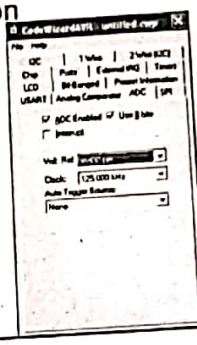
LCD setup (LCD from microprocessors lab)

- Control LCD with port A:



Setting up the Analog to Digital conversion

- 8 bit A/D on channel 3 (PORTA.3)



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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE

TÜV AUSTRIA

ATMEL

S.NO	NAME
1	GEETHA K
2	ARVINTH KUMAR K
3	BAGAVATHI N
4	JOHN ALLFIN A
5	MARIYAPAUL SANKOORIKAL
6	MOHANAPRIYA S.
7	PRIYANKA S
8	RADHEESH T R
9	PUGALAGIRI M
10	ABILASH A
11	ABINAYA R
12	AFIYA P P
13	ANAGHA N
14	ANANDHI A
15	ANUSUYAA P
16	BHARATH M R
17	BHARATHI K
18	CHITHIRA SUKUMARAN
19	CHRISTY VIMALA J
20	MADHUSOODANAN K A
21	MAHALAKSHMI S
22	MOHAMED THOUFIQ S
23	NAHOMI D
24	RANJITHA R
25	NITHYA N
26	PRAJAY P

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CT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE

ATMEL

S.NO	NAME	5/10/15	6/10/15	7/10/15	18/10/15	9/10/15
1	GEETHA K	P	P	P	P	P
2	ARVINTH KUMAR K	P	P	P	P	P
3	BAGAVATHI N	P	P	P	P	P
4	JOHN ALLFIN A	P	P	P	P	P
5	MARIYA PAUL SANKOORIKAL	P	P	P	P	P
6	MOHANAPRIYA S.	P	P	P	P	P
7	PRIYANKA S	P	P	P	P	P
8	RADHEESH T R	P	P	P	P	P
9	PUGALAGIRI M	P	AB	P	P	P
10	ABILASH A	P	P	P	P	P
11	ABINAYA R	P	P	P	P	P
12	AFIYA P P	P	P	P	P	AB
13	ANAGHA N	P	P	P	P	P
14	ANANDHI A	P	P	P	P	P
15	ANUSUYAA P	P	P	P	P	P
16	BHARATH M R	P	P	P	P	P
17	BHARATHI K	P	P	P	P	P
18	CHITHIRA SUKUMARAN	P	P	P	P	P
19	CHRISTY VIMALA J	P	P	P	P	P
20	MADHUSOODANAN K A	P	P	P	P	P
21	MAHALAKSHMI S	P	AB	P	P	P
22	MOHAMED THOUFIQ S	P	P	P	P	P
23	NAHOMI D	P	P	P	P	AB
24	RANJITHA R	P	P	P	P	P
25	NITHYA N	P	P	P	P	P
26	PRAJAY P	P	P	P	P	P

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR || COIMBATORE || TAMILNADU

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Completion

This is to certify that .....PUGALENDRI.M..... has successfully completed value added program on"**ATMEL**".from 05.10.2015 to 09.10.2015 at JCT College of Engineering and Technology, Coimbatore.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

COORDINATOR

HOD

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR | COIMBATORE | TAMILNADU

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Completion

This is to certify that .....NAHOMI.D..... has successfully completed value added program on"**ATMEL**".from 05.10.2015 to 09.10.2015 at JCT College of Engineering and Technology, Coimbatore.

PRINCIPAL
JCT College of
Pichanur, Coimbatore

COORDINATOR

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PRINCIPAL

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PICHANUR | COIMBATORE | TAMILNADU

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Completion

This is to certify that .....MOHAMED THOUFIQ S..... has successfully completed value added program on"**ATMEL**".from 05.10.2015 to 09.10.2015 at JCT College of Engineering and Technology, Coimbatore.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

COORDINATOR

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR | COIMBATORE | TAMILNADU

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Completion

This is to certify that .....MOHANA PRIYA. S..... has successfully completed value added program on"**ATMEL**".from 05.10.2015 to 09.10.2015 at JCT College of Engineering and Technology, Coimbatore.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

COORDINATOR HOD PRINCIPAL

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PICHANUR | COIMBATORE | TAMILNADU

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Completion

This is to certify that .....PRIYANKA.....S..... has successfully completed value added program on"**ATMEL**".from 05.10.2015 to 09.10.2015 at JCT College of Engineering and Technology, Coimbatore.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR | COIMBATORE | TAMILNADU

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Completion

This is to certify that .....RADHEESH. T.R..... has successfully completed value added program on**"ATMEL"**.from 05.10.2015 to 09.10.2015 at JCT College of Engineering and Technology, Coimbatore.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641 105

COORDINATOR HOD PRINCIPAL

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FIVE DAYS VALUE ADDED COURSE ON ATMEL

VALUE ADDED COURSE FEED BACK FORM

Thank you for participating in our five days VALUE ADDED COURSE on ATMEL . We would greatly appreciate if you could planning for future conferences by completing the following questionnaire.

Q1: How you were satisfied with registration process?

A: dissatisfied B: satisfied C: Fair D: Good

Q2: How satisfied were you with speakers?

A: dissatisfied B: satisfied C: Fair D: Good

Q3: How satisfied were you with Value added course facilities?

A: dissatisfied B: satisfied C: Fair D: Good

Q4: Was the Value added course well organized?

A: dissatisfied B: satisfied C: Fair D: Good

Q5: Were the Value added course staffs helpful?

A: Strongly agree B: Agree C: Disagree D: Strongly disagree

Q6: Would you recommend this Value added course to others?

A: Yes B: No

Q7: Did you feel the length of the Value added course sessions were:

A: Long B: Just about right C: No

Any Suggestion:

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore - 641 105

TÜV AUSTRIA

Department of Electronics and Communication Engineering

VALUE ADDED COURSE

The Electronics and Communication Engineering Department of JCT College of Engineering and Technology Pichanur, Coimbatore has organized five days **Value Added Course on Tanner** in 14th March 2016 to 18th March 2016, the resource person is Mr. S Anand CEO, Megatronics ,Coimbatore.

Mr.V.Lakshmipathi Head of the department welcomed the gathering and our respected principal **Dr.G.Ramesh** presided over the function. After the Inaugural function, the VALUE ADDED COURSE has started by 10.00 am.

The following topics are handled in value added course

- Introduction about Electronic devices,
- Basic concept about Automation software and training,
- Hands-on training on simulation using electronic designing,
- Hardware demo of few projects.

The event went a great success under the support of our department staff members and advice of **Dr.G.Ramesh**, our principal.

In this juncture, we thank our **Shri.R.Durga Shankar,** Secretary of our JCT College of engineering and technology, for his moral support, enragement and also financial support.

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JCT

From,

Mr. Ajish A

ECE department

JCT College of Engineering and Technology

Pichanur, Coimbatore

To,

Mr. S Anand

CEO, Megatronics ,

Coimbatore

Tamil nadu

Respected Sir,

Subject: Regard-conducting a Value Added Course

We had a plan to conduct a five days Value Added Course on Tanner in 14th March 2016 to 18th March 2016. We will be glad if you can conduct the event, kindly send us your willingness along with expense and comfortable schedule.

Thanking you,

Mr. Ajish A

AP/ECE

Date: 8/03/2016

Place: Pichanur

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From,

Mr. S Anand

CEO, Megatronics,

Coimbatore

Tamil nadu

To,

The principal

JCT College of Engineering and Technology

Coimbatore-641 105

Dear Sir,

Greetings from Megatronics:

First we would like thank you and the college management for giving us an opportunity to submit our quote to conduct a five days Value Added Course on Tanner in 14th March 2016 to 18th March 2016.

Thanking you

Mr. S Anand

Date: Coimbatore

Place: 9/03/2016

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

. DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 8.03.2016

We had a plan to conduct a five days Value Added Course on Tanner in 14th March 2016 to 18th March 2016 in our department. So we kindly request all the students to participate in this Course and update your technical knowledge.

HOD

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE
DEPARTMENT ELECTRONICS AND COMMUNICATION ENGINEERING
VALUE ADDED COURSE

JCT

COURSE NAME: T-SPICE

Academic Year: 2015 - 2016

TIME TABLE

PERIOD/TIME	9.10-10.00	10.00-10.45		11.00-11.45	11.45-12.30		01.20-02.05	02.05-02.50	02.50-03.35
DATE	I	II		III	IV		V	VI	VII
14/3/2016	INAGURATION			INTRODUCTION			SIMULATION TOOL		
15/3/2016	DESIGNING/EDITING		B	DESIGN STRUCTURE		L	LAB SESSION		
16/03/2016	MOSFET		R	ANALYSIS		U	LAB SESSION		
17/03/2016	SIMULATION		E	PROGRAMMING		N	LAB SESSION		
18/03/2016	LAB SESSION		A	TEST		C	PROJECT		
			K			H			

COORDINATOR

HOD

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Tanner

- Session 1:Introduction about Tanner tools
- Session 2:basics about simulation tool
- Session 3: design in S-Edit
- Session 4: Design Structure
- Session 5: Introduction to MOSFET
- Session 6: Types of Analysis
- Session 7:Simulation
- Session 8:Basic Programs

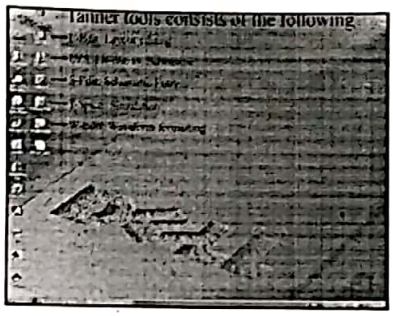
2

Objective of the lab

- To develop an understanding of design and simulation of digital logic circuits.
- To get a basic understanding of layout of electronic circuits.
- We will use Tanner tools for design and simulation.
- This lab introduces us to Tanner tools.

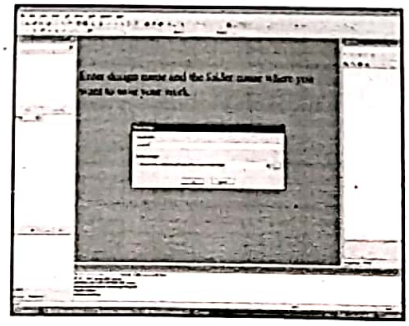
Introduction to Tanner tools

- Tanner tool- simulation tool for the class
- Upgraded from last year
- Some slides may look different as you will see on your computer
- Slides will be updated to correspond with the new version of Tanner as we advance into the semester









Recommendations

- Make a new folder in your name and always save all your work there.
- Use same system each time so that you don't have to transfer your old files to another system if needed.
- Create a backup of your work if needed as the lab computers are formatted from time to time.

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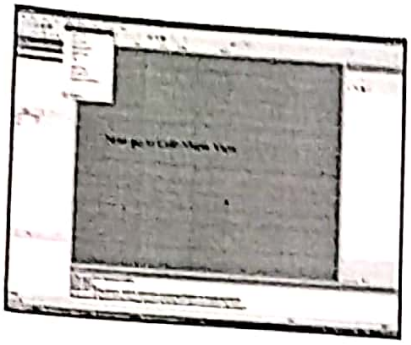
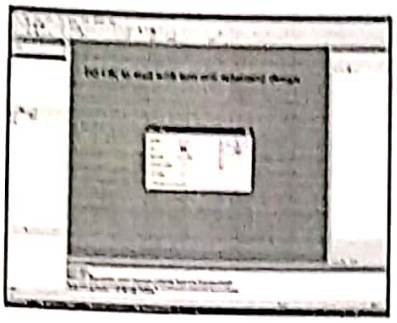
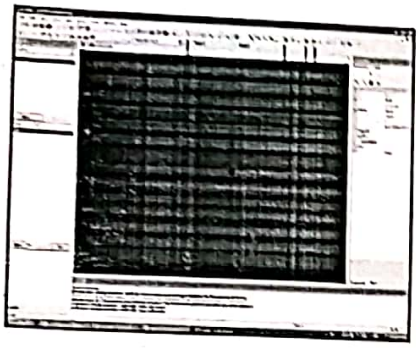
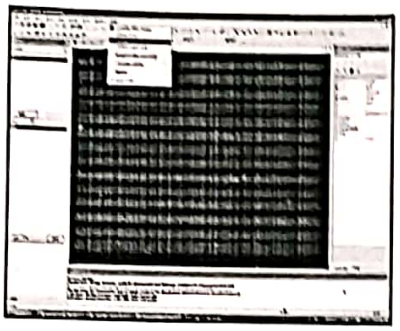


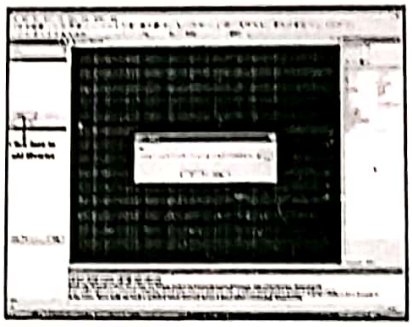


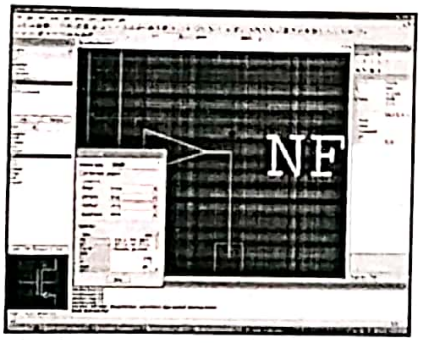
Levels of design in S-Edit

- The highest level in the S-Edit design hierarchy is the design file. It can contain modules, which can contain primitive objects or reference to other modules.
- A module can further have pages.
- S-Edit has 2 viewing modes, Schematic mode and Symbol mode. We can switch between 2 modes using the tabs in the tool bar or using a question mark (?).









Some useful tips

- To move an object: Use center wheel of the mouse.
- For zoom in and zoom out use + and – respectively from the key board.
- To view/edit object properties, select object and use CTRL+E.
- Do not use space in your design names.
- Do not use special characters in port names.

Introduction to MOSFET

- A MOSFET can be
  - PMOS
  - NMOS
- A MOSFET is a four terminal device. Four terminals are;
  - Gate
  - Drain
  - Source
  - Bulk
- A MOSFET is symmetrical device unlike a BJT which means either terminal can be drain or source unless connected in a circuit.

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Introduction to MOSFET

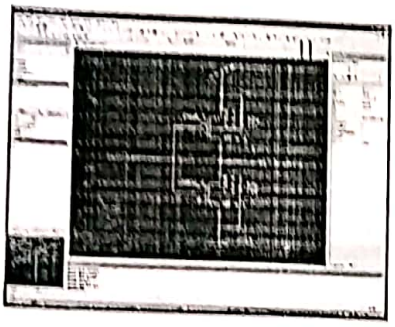
- For a PMOS source is always connected to highest voltage in the circuit
- For an NMOS source is always connected to lowest voltage in a circuit
- The bulk is always shorted to the source for both devices

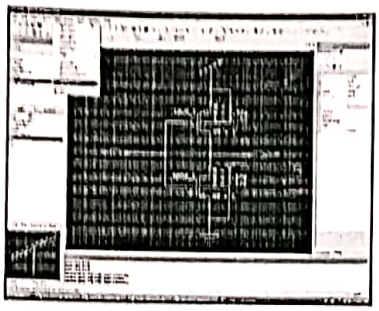
Introduction to MOSFET

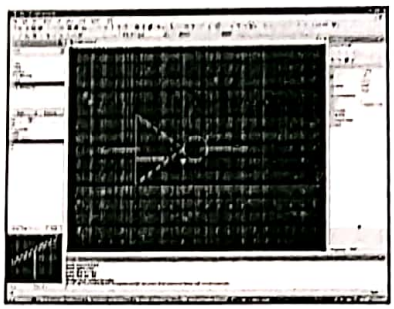
- The bulk terminal is identified by an arrow
- We can distinguish PMOS symbol from NMOS symbol as follows
  - PMOS bulk has arrow coming out
  - NMOS bulk has arrow going in (Tip: remember IN stands for N)
  - PMOS gate has a bubble attached to it
- There can be different symbols for PMOS and NMOS for example the bulk may not be shown but the above points hold good for the MOSFETS we will be using from SCMOS library in S Edit

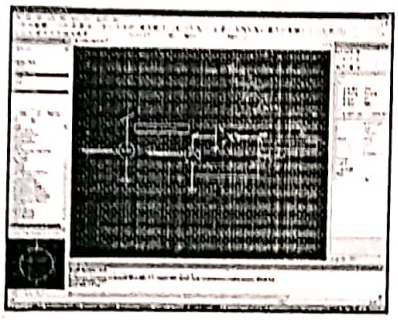
Schematic design of an inverter

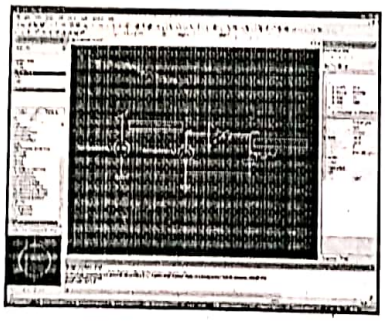
- Today we will design an inverter schematic in S Edit
- In this class we will design CMOS based logic circuits
- Thus an inverter consists of a PMOS and an NMOS connected in series with PMOS source connected to Vdd and NMOS source connected to Gnd
- Input is applied at the gates
- Output is collected from the drains which are connected together

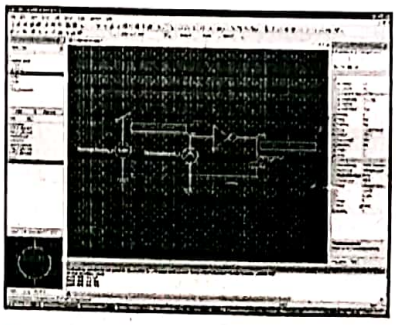












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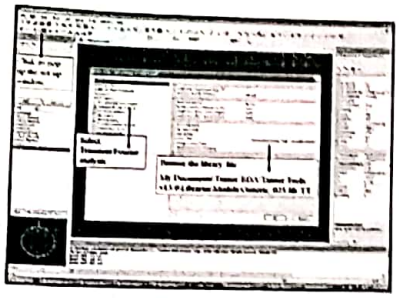
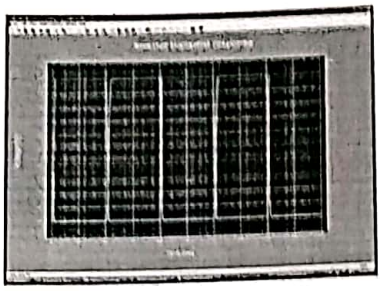




Types of analysis

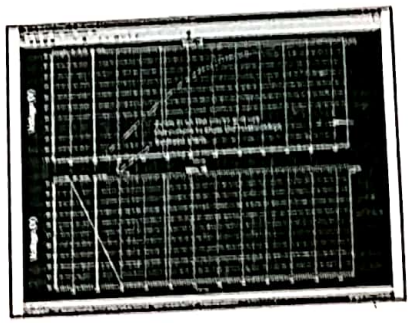
- DC Operating Point Analysis
- DC Transfer Analysis
- Transient Analysis
- AC Analysis
- Transient Analysis, Powerup Mode
- Noise Analysis

Types of analysis

- DC operating point analysis: It finds the circuit's steady-state condition, obtained (in principle) after the input voltages have been applied for an infinite amount of time.
- DC Transfer Analysis: It is used to study the voltage or current at one set of points in a circuit as a function of the voltage or current at another set of points. This is done by sweeping the source variables over specified ranges, and recording the output.

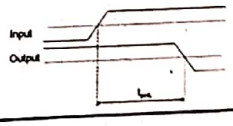
Types of Analysis

- Transient Analysis: It provides information on how circuit elements vary with time.
- AC Analysis: It characterizes the circuit's behavior dependence on small signal input frequency.
- Transient Analysis power up mode: Some circuits do not have a DC steady state so it is difficult to specify there initial state. This is done using power up option of the .tran command. It sets entire circuit to zero for time equal to 0.



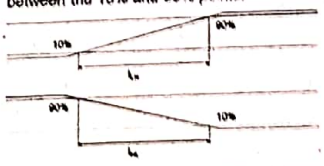
Propagation Delay

- Propagation Delay is the amount of time it takes a change of input to appear as a change on the output.
- Propagation Delay is measured from the 50% point on the input signal to the 50% point on the output.



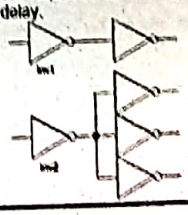
Transition time

- High-low and low high transition times at the output of a gate are defined as t_{HL} and t_{LH} between the 10% and 90% points.



Gate Delay

- The load capacitance severely affects the gate delay.



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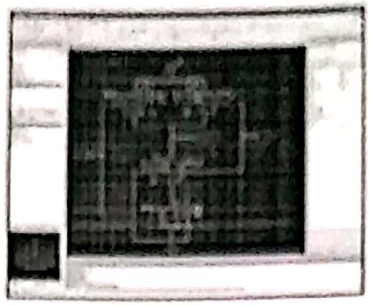
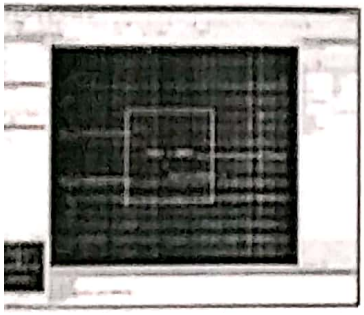
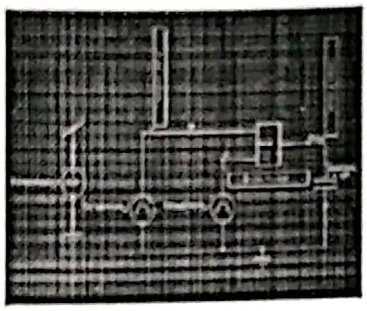
Simulating NAND gate

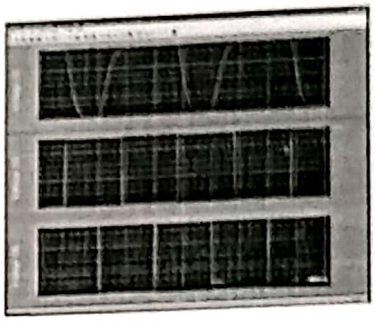
- Next we will make a NAND gate using a and a NOT gate and its performance

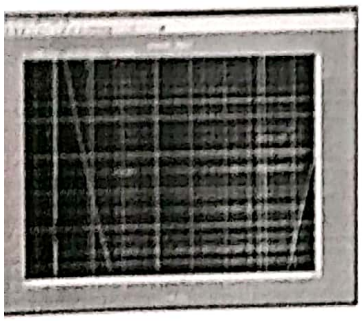












Record the propagation delay

- Record t_{pHL} and t_{pLH} for the NAND gate.
- Record the waveform for the same

Lab Reports

- Strictly adhere to the lab report format and other instructions on the website
- No late submissions without prior permission

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TÜV AUSTRIA

TANNER

S.NO	NAME
1	GEETHA K
2	ARVINTH KUMAR K
3	BAGAVATHI N
4	JOHN ALLFIN A
5	MOHANAPRIYA S.
6	PRIYANKA S
7	PUGALAGIRI M
8	ABINAYA R
9	AFIYA P P
10	ANAGHA N
11	ANANDHI A
12	ANUSUYAA P
13	BHARATHI K
14	CHITHIRA SUKUMARAN
15	CHRISTY VIMALA J
16	MAHALAKSHMI S
17	NAHOMI D
18	RANJITHA R
19	NITHYA N
20	PRAJAY P

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TANNER

S.NO	NAME	14/3/16	15/3/16	16/3/16	17/3/16	18/3/16
1	GEETHA K	P	P	P	P	P
2	ARVINTH KUMAR K	P	P	P	P	P
3	BAGAVATHI N	P	P	P	P	P
4	JOHN ALLFIN A	P	P	P	AB	P
5	MOHANAPRIYA S.	P	P	P	P	P
6	PRIYANKA S	P	P	P	P	P
7	PUGALAGIRI M	P	P	P	P	P
8	ABINAYA R	P	P	P	P	P
9	AFIYA P P	P	P	P	P	P
10	ANAGHA N	P	P	P	P	P
11	ANANDHI A	P	P	P	P	P
12	ANUSUYAA P	P	P	P	P	AB
13	BHARATHI K	P	P	P	P	P
14	CHITHIRA SUKUMARAN	P	P	P	P	P
15	CHRISTY VIMALA J	P	P	P	P	P
16	MAHALAKSHMI S	P	P	P	P	P
17	NAHOMI D	P	P	P	P	P
18	RANJITHA R	P	P	P	P	P
19	NITHYA N	P	P	P	P	P
20	PRAJAY P	P	P	P	P	P

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Completion

This is to certify that ..... JOHN ALLFIN. A ..... has successfully completed value added program on"**T-SPICE**".from 14.03.2018 to 18.03.2018 at JCT College of Engineering and Technology,Coimbatore.

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This is to certify that ...MOHANAPRIYA.S..... has successfully completed value added program on"**T-SPICE**".from 14.03.2018 to 18.03.2018 at JCT College of Engineering and Technology,Coimbatore.

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This is to certify that ARVINTH KUMAR. K ..... has successfully completed value added program on"**T-SPICE**".from 14.03.2018 to 18.03.2018 at JCT College of Engineering and Technology,Coimbatore.

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This is to certify that .....BAGAVATHI. N..... has successfully completed value added program on"**T-SPICE**".from 14.03.2018 to 18.03.2018 at JCT College of Engineering and Technology,Coimbatore.

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FIVE DAYS VALUE ADDED COURSE ON TANNER

VALUE ADDED COURSE FEED BACK FORM

Thank you for participating in our five days VALUE ADDED COURSE on TANNER . We would greatly appreciate if you could assist us in planning for future conferences by completing the following questionnaire.

Q1: How you were satisfied with registration process?

A: dissatisfied B: satisfied C: Fair D: Good

Q2: How satisfied were you with speakers?

A: dissatisfied B: satisfied C: Fair D: Good

Q3: How satisfied were you with Value added course facilities?

A: dissatisfied B: satisfied C: Fair D: Good

Q4: Was the Value added course well organized?

A: dissatisfied B: satisfied C: Fair D: Good

Q5: Were the Value added course staffs helpful?

A: Strongly agree B: Agree C: Disagree D: Strongly disagree

Q6: Would you recommend this Value added course to others?

A: Yes B: No

Q7: Did you feel the length of the Value added course sessions were:

A: Long B: Just about right C: No

Any Suggestion: NIL

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JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department Of Mechanical Engineering

From,

DATE 18-01-2016

D.Ashok Kumar,
Assistant professor,
Department of mechanical engineering,
JCT College of engineering andtechnology,
Coimbatore-641105.

To,

The principal,
JCT College of engineering and technology,
Coimbatore- 641105.

Sir,

Sub: permission of conducting Certificate Course on "CNC PART PROGRAMING AND MACHINING" reg.

We have planned to conduct a Certificate Course on CNC PART PROGRAMING AND MACHINING in academic year 2015-2016 for III year of Mechanical Department. We request you to grant us permission to conduct the course.

Thank you

Coordinators

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Pichanur, Coimbatore - 641105

HoD/Mech

JCT College of Engineering and Technology, Pichanur 15-16 (1)

Coimbatore- 641 105

Department Of Mechanical Engineering

Date:23-01-2016

CIRCULAR

As we are going to conduct a CERTIFICATE COURSE on "CNC PART PROGRAMING AND MACHINING" from 27-01-2016 to 03-02-2016.Interested students are requested to enrol their names to program coordinator within two days.

HoD/Mechanical

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JCT College Of Engineering And Technology, Pichanur

Coimbatore- 641 105

Department of Mechanical Engineering

CNC PART PROGRAMING AND MACHINING

PROGRAM SCHEDULE27-01-2016 to 03-02-2016

Sno	Date	Session	Timing	Topic	Facilitator From
1.	27-01-2016	I	09:00 AM to 10:45 AM	Introduction to CNC technology,CNC machines & controls	Kovai CNC centre
			10:45 AM to 11:00 AM	TEA BREAK	
2.		II	11:00 AM to 01:00 PM	History & development of CNC technology,Conventional Vs. non-conventional machine tool.	Kovai CNC centre
3.					
			01:00 PM to 01:45 PM	LUNCH BREAK	
4.		III	01:45 PM to 03:45 PM	Numerical control on CNC machine tools CNC control and CNC Control and types of CNC control Calculation of technological data for CNC machining	Kovai CNC centre
5.					
			03:45 PM to 04:00 PM	TEA BREAK	
6.		IV	04:00 PM to 05:00 PM	CNC clamping system.	Kovai CNC centre
7.					
8.	28-01-2016	I	09:00 AM to 10:45 AM	Implementation of JH for CNC Basic health and safety CNC programming	Kovai CNC centre

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				basics	
9.			10:45 AM to 11:00 AM	TEA BREAK	
10.		II	11:00 AM to 01:00 PM	Introduction to manual NC programming Manual NC programming for lathe & milling machines	Kovai CNC centre
11.			01:00 PM to 01:45 PM	LUNCH BREAK	
12.		III	01:45 PM to 03:45 PM	Application Numerical Control, Advantages, & Disadvantages, Adoptive Control System	Kovai CNC centre
13.			03:45 PM to 04:00 PM	TEA BREAK	
14.		IV	04:00 PM to 05:00 PM	Practical training & workshop for above sub topics on CNC Machine	Kovai CNC centre
15.	29-01-2016	I	09:00 AM to 10:45 AM	Introduction and demonstration of line programs CNC programming for lathe & milling machine using iso codes into the CNC simulator	Kovai CNC centre
16.			10:45 AM to 11:00 AM	TEA BREAK	
17.		II	11:00 AM to 01:00 PM	Introduction to CNC programming Introduction and demonstration of line programs CNC programming for lathe & milling machine using iso codes into the CNC simulator	Kovai CNC centre
18.			01:00 PM to 01:45 PM	LUNCH BREAK	

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19.		III	01:45 PM to 03:45 PM	CNC programming for lathe and milling machines using different machining cycles into the CNC simulator	Kovai CNC centre
20.			03:45 PM to 04:00 PM	TEA BREAK	
21.		IV	04:00 PM to 05:00 PM	Procedures Associated with part programming,	Kovai CNC centre
22.	30-01-2016	I	09:00 AM to 10:45 AM	Cutting process parameter selection, Process planning issues and path planning,	Kovai CNC centre
23.			10:45 AM to 11:00 AM	TEA BREAK	
24.		II	11:00 AM to 01:00 PM	G & M Codes, Interpolations	Kovai CNC centre
25.			01:00 PM to 01:45 PM	LUNCH BREAK	
26.		III	01:45 PM to 03:45 PM	Canned Cycles and Subprograms	Kovai CNC centre
27.			03:45 PM to 04:00 PM	TEA BREAK	
28.		IV	04:00 PM to 05:00 PM	Exposure for programming and simulator of FANUC, SINUMERIC, DMG TURNPLUS & Controls through post processors	Kovai CNC centre
29.	31-01-2016	I	09:00 AM to 10:45 AM	Exposure for programming and simulator of FANUC, SINUMERIC, DMG TURNPLUS & Controls through post processors	Kovai CNC centre
30.			10:45 AM to 11:00 AM	TEA BREAK	

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31.		II	11:00 AM to 01:00 PM	Programming exercise. Machining of programmed exercise on CNC lathe	Kovai cnc centre
32.			01:00 PM to 01:45 PM	LUNCH BREAK	
33.		III	01:45 PM to 03:45 PM	Plan and optimize programs for CNC turning operations	Kovai CNC centre
34.			03:45 PM to 04:00 PM	TEA BREAK	
35.		IV	04:00 PM to 05:00 PM	Calculate parameters like speed feed	Kovai CNC centre
36.	01-02-2016	I	09:00 AM to 10:45 AM	set a references for the various operations	Kovai CNC centre
37.			10:45 AM to 11:00 AM	TEA BREAK	
38.		II	11:00 AM to 01:00 PM	Prepare operation and operation sequence for the lathe operations like turning, grooving	Kovai CNC centre
39.			01:00 PM to 01:45 PM	LUNCH BREAK	
40.		III	01:45 PM to 03:45 PM	Prepare & set CNC lathe operations	Kovai CNC centre
41.			03:45 PM to 04:00 PM	TEA BREAK	
42.		IV	04:00 PM to 05:00 PM	test run programmed Execute program and inspect simple geometrical forms	Kovai CNC centre
43.	02-02-2016	I	09:00 AM to 10:45 AM	standard parts Use of various PPE's on CNC lathe machine	Kovai CNC centre
44.			10:45 AM to 11:00 AM	TEA BREAK	
45.		II	11:00 AM to 01:00 PM	Practice session	Kovai CNC centre

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46.			01:00 PM to 01:45 PM	LUNCH BREAK	
47.		III	01:45 PM to 03:45 PM	Practice session	Kovai CNC centre
48.			03:45 PM to 04:00 PM	TEA BREAK	
49.		IV	04:00 PM to 05:00 PM	Practice session	Kovai CNC centre
50.	03-02-2016	I	09:00 AM to 10:45 AM	Practice session	Kovai CNC centre
51.			10:45 AM to 11:00 AM	TEA BREAK	
52.		II	11:00 AM to 01:00 PM	Practice session	Kovai CNC centre
53.			01:00 PM to 01:45 PM	LUNCH BREAK	
54.		III	01:45 PM to 03:45 PM	Feedback from students	
55.			03:45 PM to 04:00 PM	TEA BREAK	
56.		IV	04:00 PM to 05:00 PM	Vote of thanks	

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JCT COLLEGE OF TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

"CNC PART PROGRAMING AND MACHINING"

Registered- students List

S.No	Reg No	Name of the Student
1.	720913114001	ABHILESH P K
2.	720913114003	ABINESH KUMAR N
3.	720913114004	ABIYALAKAN M
4.	720913114004	ABIYALAKAN M
5.	720913114005	AFNAS V A
6.	720913114007	AJATHCHATHRU B
7.	720913114008	AJIL ANTONY
8.	720913114010	AKSHAYKES S
9.	720913114011	AKSHAY SANKER S
10.	720913114012	AKSHY KUMAR K
11.	720913114013	ALBIN JOSEPH
12.	720913114014	ALBIN STABHY P
13.	720913114015	ALWIN ANTONY BENNY
14.	720913114016	AMALDAS P
15.	720913114017	ANISH B
16.	720913114018	ANOOP K A
17.	720913114019	ARASA KUMAR M
18.	720913114020	ARAVINTHKUMAR S
19.	720913114021	ARJUN V
20.	720913114022	ARUL JOTHI M
21.	720913114023	ASCAR ALI H
22.	720913114024	ASSANAR M B
23.	720913114025	BHAARATH RAJ S
24.	720913114026	BIJO P J
25.	720913114029	CHRISTIN M
26.	720913114030	DELVIN THOMAS
27.	720913114031	EDWIN I
28.	720913114032	FEBIN PAUL
29.	720913114033	GOKUL G
30.	720913114034	GOKUL KUMAR G
31.	720913114036	GOKUL RAJ P
32.	720913114038	GREEGO HABEL
33.	720913114039	HARISH NAFAS P M
34.	720913114039	HARISH NAFAS P M
35.	720913114041	JAIKISHAN S MENON
36.	720913114042	JAYAVEL S
37.	720913114043	JISMON ANTONY N J
38.	720913114044	KARTHI A V
39.	720913114045	KARTHICK S
40.	720913114046	KIRAN KUMAR R
41.	720913114047	KIRAN RAVEENDRAN
42.	720913114048	KRISHNA PRASAD C B
43.	720913114049	MANIMARAN R
44.	720913114050	MATHIBALAN K

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45.	720913114051	MATHIYARASAN S
46.	720913114052	MINHAJ P I
47.	720913114053	MITHUN M B
48.	720913114054	MOHAMED HASIN O
49.	720913114055	MOHAMED SABITH M P T
50.	720913114057	MUHAMMAD MUSTHAFA K K
51.	720913114058	MUHSIN N K
52.	720913114060	MUTHUPANDEESWARAN S
53.	720913114301	ABHISHEK.K.V
54.	720913114302	ARVIND VIJAY
55.	720913114303	ASHIQ.K
56.	720913114304	JANAKIRAMAN.M
57.	720913114305	KAMAL ARASAN.R
58.	720913114306	MENDIZ JOSEPH CHIRAYATH
59.	720913114308	MUNI RAJ.C
60.	720914114507	CHANDRU M
61.	720914114508	MOHAMMED ASHIQ K M
62.	720914114508	MOHAMMED ASHIQ K M
63.	720913114061	NANDHAKUMAR G
64.	720913114062	NANDU KRISHNA B S
65.	720913114063	NAVEEN E
66.	720913114064	NIJAMUDHEEN S
67.	720913114065	NIKHIL N
68.	720913114066	NIROSH KUMAR M
69.	720913114067	NISCHAY P
70.	720913114068	ORWIN SIMON
71.	720913114069	PANNEER SELVAM R
72.	720913114070	PON KUMAR P
73.	720913114072	PRAVEEN R
74.	720913114073	RAHUL CHANDRAN
75.	720913114074	RAJA P
76.	720913114075	RANJITH R G
77.	720913114076	RIJIL MATHEW
78.	720913114077	ROHIT KRISHNAKUMAR
79.	720913114078	SABARI RAJ D
80.	720913114079	SABARI RAJAN N
81.	720913114079	SABARI RAJAN N
82.	720913114080	SABIN VARGHESE
83.	720913114081	SACHIN P S
84.	720913114082	SAHEED HAMZA K
85.	720913114084	SAMI DURAI P
86.	720913114086	SANTHANARAJ F
87.	720913114087	SARATH K
88.	720913114088	SARAVANAKUMAR K
89.	720913114089	SARAVANAN T
90.	720913114091	SEEMAN S
91.	720913114092	SELVAM G
92.	720913114093	SENTHILKUMAR B
93.	720913114094	SHAHID M
94.	720913114095	SHAMNAD K S
95.	720913114096	SHINE VARGHESE

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96.	720913114097	SIDHARTH S
97.	720913114099	STALONE V MATHEW
98.	720913114100	SUGESH M
99.	720913114101	SUNDARA MAHALINGAM K
100.	720913114102	SURESH V
101.	720913114103	UDHAYA SHANKAR K
102.	720914114509	VENGATESWARAN C
103.	720913114105	VENKATESAN D
104.	720913114106	VENKATESAN M
105.	720913114107	VENKATESH N
106.	720913114108	VIGNESH G
107.	720913114110	VIJAY P
108.	720913114111	VIJIN K WILSON
109.	720913114112	VINDEESH V MENON
110.	720913114114	VINITH KUMAR S
111.	720913114115	VIPIN U
112.	720913114116	VISHNU D
113.	720913114117	VISHNU R
114.	720913114118	VISHNU MOHAN
115.	720913114119	VIVEKANANTHAN S
116.	720913114501	NAVEEN S NATH
117.	720913114502	R.SHANMUGA BHUVANESWAR
118.	720913114309	A.NALLASAMY
119.	720913114310	NITHIN.N.C
120.	720913114311	PRAVIN.P
121.	720913114312	PRINCE.C
122.	720913114313	SAGAR.A.S
123.	720913114314	SARANRAJ.S
124.	720914114503	VINITH M
125.	720914114505	VIGNESH N P
126.	720914114506	SREENATH T V

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR, COIMBATORE

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS-ATTENDANCE SHEET

CNC Part Programming and Machining

S.No	Reg no	Name of the Student	1	2	3	4	5	6	7	8	9	10
1.	720913114001	ABHILESH P K	/	/	/	/	/	/	/	/	a	/
2.	720913114003	ABINESH KUMAR N	/	/	/	/	/	a	/	/	/	/
3.	720913114004	ABIYALAKAN M	/	/	/	/	a	/	/	/	/	/
4.	720913114004	ABIYALAKAN M	/	/	/	/	a	/	/	/	/	/
5.	720913114005	AFNAS V A	/	/	a	/	/	/	/	/	/	/
6.	720913114007	AJATHCHATHRU B	/	/	/	/	/	/	/	/	/	/
7.	720913114008	AJIL ANTONY	/	/	/	/	a	/	/	/	/	/
8.	720913114010	AKSHAYKES S	/	/	/	/	/	/	/	/	a	/
9.	720913114011	AKSHAY SANKER S	/	/	a	/	/	/	/	/	/	/
10.	720913114012	AKSHY KUMAR K	/	a	/	/	/	/	/	/	/	/
11.	720913114013	ALBIN JOSEPH	/	a	/	/	/	/	/	/	/	/
12.	720913114014	ALBIN STABHY P	/	a	/	/	/	/	/	/	/	/
13.	720913114015	ALWIN ANTONY BENNY	/	/	/	a	/	/	/	a	/	/
14.	720913114016	AMALDAS P	/	/	/	/	/	/	/	/	/	/
15.	720913114017	ANISH B	/	a	/	/	/	/	/	/	/	/
16.	720913114018	ANOOP K A	/	/	/	/	/	a	/	/	/	/
17.	720913114019	ARASA KUMAR M	/	a	/	/	/	/	/	a	/	/
18.	720913114020	ARAVINTHKUMAR S	/	/	/	a	/	/	/	/	/	a
19.	720913114021	ARJUN V	/	/	a	/	/	/	/	/	/	/
20.	720913114022	ARUL JOTHI M	/	/	/	/	a	/	/	/	/	/
21.	720913114023	ASCAR ALI H	/	/	a	/	/	/	/	/	/	/
22.	720913114024	ASSANAR M B	/	/	/	/	/	a	/	/	/	/
23.	720913114025	BHAARATH RAJ S	/	/	/	/	/	/	/	a	/	/
24.	720913114026	BIJO P J	/	/	/	/	/	/	a	/	/	/
25.	720913114029	CHRISTIN M	/	/	/	/	/	/	/	a	/	/
26.	720913114030	DELVIN THOMAS	/	/	/	a	/	/	/	/	/	/
27.	720913114031	EDWIN I	/	/	a	/	/	/	/	/	/	/
28.	720913114032	FEBIN PAUL	/	/	/	/	a	/	/	/	/	/
29.	720913114033	GOKUL G	/	/	a	/	/	/	/	/	/	/
30.	720913114034	GOKUL KUMAR G	/	/	/	/	/	/	a	a	/	/
31.	720913114036	GOKUL RAJ P	/	/	/	/	/	/	/	/	/	/
32.	720913114038	GREEGO HABEL	/	a	/	/	a	/	/	/	/	/
33.	720913114039	HARISH NAFAS P M	/	/	/	a	/	/	/	/	/	/
34.	720913114039	HARISH NAFAS P M	/	/	/	a	/	/	/	/	/	/
35.	720913114041	JAIKISHAN S MENON	/	/	/	/	/	/	/	/	/	/
36.	720913114042	JAYAVEL S	/	/	/	/	/	/	/	/	/	/
37.	720913114043	JISMON ANTONY N J	/	/	/	/	/	/	/	a	a	/
38.	720913114044	KARTHI A V	/	/	/	/	/	/	/	/	/	a
39.	720913114045	KARTHICK S	/	/	/	/	/	a	/	/	/	/

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40.	720913114046	KIRAN KUMAR R	/	/	/	a	/	/	/	/	/	/	
41.	720913114047	KIRAN RAVEENDRAN	/	/	/	/	/	/	/	/	/	/	
42.	720913114048	KRISHNA PRASAD C B	/	a	/	/	/	/	/	/	/	/	
43.	720913114049	MANIMARAN R	/	/	a	/	/	a	/	/	/	/	
44.	720913114050	MATHIBALAN K	/	/	/	/	/	/	/	/	/	/	
45.	720913114051	MATHIYARASAN S	/	/	/	/	/	/	/	/	/	/	
46.	720913114052	MINHAJ P I	/	/	/	/	/	/	a	/	/	a	
47.	720913114053	MITHUN M B	/	/	/	/	/	/	/	/	/	/	
48.	720913114054	MOHAMED HASIN O	/	/	/	/	a	/	/	/	/	/	
49.	720913114055	MOHAMED SABITH M P T	/	a	/	/	/	/	/	/	/	/	
50.	720913114057	MUHAMMAD MUSTHAFA K K	/	/	/	/	/	/	/	a	/	/	
51.	720913114058	MUHSIN N K	/	/	/	/	/	a	/	/	/	/	
52.	720913114060	MUTHUPANDEESWARAN S	/	/	/	a	/	/	/	/	/	/	
53.	720913114301	ABHISHEK.K.V	/	/	a	/	/	/	a	/	/	/	
54.	720913114302	ARVIND VIJAY	/	/	/	/	/	/	/	/	/	/	
55.	720913114303	ASHIQ.K	/	a	/	/	/	/	/	a	/	/	
56.	720913114304	JANAKIRAMAN.M	/	/	/	/	/	/	/	/	/	/	
57.	720913114305	KAMAL ARASAN.R	/	/	/	/	/	/	/	/	/	/	
58.	720913114306	MENDIZ JOSEPH CHIRAYATH	/	/	a	/	/	/	/	a	/	/	
59.	720913114308	MUNI RAJ.C	/	/	/	/	a	/	/	/	/	/	
60.	720914114507	CHANDRU M	/	/	/	/	a	/	/	/	/	/	
61.	720914114508	MOHAMMED ASHIQ K M	/	/	/	/	/	/	/	/	/	a	
62.	720914114508	MOHAMMED ASHIQ K M	/	/	/	/	/	/	/	/	/	a	
63.	720913114061	NANDHAKUMAR G	/	/	/	/	/	/	/	/	/	/	
64.	720913114062	NANDU KRISHNA B S	/	/	/	/	a	/	/	/	a	/	
65.	720913114063	NAVEEN E	/	/	/	/	/	/	/	a	/	/	
66.	720913114064	NIJAMUDHEEN S	/	/	/	a	/	/	/	/	/	/	
67.	720913114065	NIKHIL N	/	/	a	/	/	/	/	/	/	/	
68.	720913114066	NIROSH KUMAR M	/	/	/	/	/	a	/	/	/	/	
69.	720913114067	NISCHAY P	/	/	/	/	/	/	/	/	/	/	
70.	720913114068	ORWIN SIMON	/	/	a	/	/	/	/	a	/	/	
71.	720913114069	PANNEER SELVAM R	/	/	/	/	a	/	/	/	/	/	
72.	720913114070	PON KUMAR P	/	/	a	/	/	/	/	/	/	/	
73.	720913114072	PRAVEEN R	/	/	/	/	/	/	/	/	/	/	
74.	720913114073	RAHUL CHANDRAN	/	/	/	/	a	/	/	/	/	/	
75.	720913114074	RAJA P	/	/	/	/	/	/	/	/	/	/	
76.	720913114075	RANJITH R G	/	/	/	/	/	/	/	/	/	/	
77.	720913114076	RIJIL MATHEW	/	/	/	a	/	/	/	/	/	/	
78.	720913114077	ROHIT KRISHNAKUMAR	/	/	/	/	/	a	/	/	/	/	
79.	720913114078	SABARI RAJ D	/	/	/	/	/	/	/	/	/	/	
80.	720913114079	SABARI RAJAN N	/	/	a	/	/	/	/	/	/	/	
81.	720913114079	SABARI RAJAN N	/	/	a	/	/	/	/	/	/	/	
82.	720913114080	SABIN VARGHESE	/	/	/	/	/	/	/	/	/	/	
83.	720913114081	SACHIN P S	/	/	/	/	/	/	/	/	/	/	

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84.	720913114082	SAHEED HAMZA K	/	/	/	/	a	a	/	/	/	/
85.	720913114084	SAMI DURAI P	/	/	/	/	/	/	/	/	/	/
86.	720913114086	SANTHANARAJ F	/	/	/	/	/	/	/	/	/	/
87.	720913114087	SARATH K	/	/	/	a	/	/	/	/	/	/
88.	720913114088	SARAVANAKUMAR K	/	/	/	/	/	/	/	a	/	/
89.	720913114089	SARAVANAN T	/	/	a	/	/	/	/	/	/	/
90.	720913114091	SEEMAN S	/	/	/	/	/	/	/	/	/	/
91.	720913114092	SELVAM G	/	/	/	a	/	/	/	/	/	/
92.	720913114093	SENTHILKUMAR B	/	/	/	/	/	/	/	/	/	/
93.	720913114094	SHAHID M	/	/	/	/	/	a	/	/	/	/
94.	720913114095	SHAMNAD K S	/	/	a	/	/	/	/	/	/	/
95.	720913114096	SHINE VARGHESE	/	/	/	/	/	/	/	a	/	/
96.	720913114097	SIDHARTH S	/	a	/	/	/	/	/	/	/	/
97.	720913114099	STALONE V MATHEW	/	/	/	/	/	/	a	a	/	/
98.	720913114100	SUGESH M	/	/	/	/	/	/	/	/	/	a
99.	720913114101	SUNDARA MAHALINGAM K	/	/	/	/	/	/	/	/	/	/
100	720913114102	SURESH V	/	/	/	a	/	/	/	/	/	/
101	720913114103	UDHAYA SHANKAR K	/	/	/	/	/	a	/	/		
102	720914114509	VENGATESWARAN C	/	a	/	/	/	/		/	/	/
103	720913114105	VENKATESAN D	/	/	/	/	/	/	a	/	/	/
104	720913114106	VENKATESAN M	/	/	/	/	/	/	a	/	/	/
105	720913114107	VENKATESH N	/	/	/	a	/	/	/	/	/	/
106	720913114108	VIGNESH G	/	/	/	/	/	/	/	/	/	/
107	720913114110	VIJAY P	/	/	a	/	/	/	/	/	/	/
108	720913114111	VIJIN K WILSON	/	/	/	/	/	/	/	/	/	/
109	720913114112	VINDEESH V MENON	/	/	/	/	/	/	/	/	/	/
110	720913114114	VINITH KUMAR S	/	/	/	/	/	a	/	/	/	/
111	720913114115	VIPIN U	/	/	/	/	/	/	/	/	/	/
112	720913114116	VISHNU D	/	a	/	/	/	/	/	/	/	/
113	720913114117	VISHNU R	/	/	/	/	/	/	/	/	a	/
114	720913114118	VISHNU MOHAN	/	/	/	/	/	/	/	/	/	a
115	720913114119	VIVEKANANTHAN S	/	/	a	/	/	/	/	/	/	/
116	720913114501	NAVEEN S NATH	/	/	/	/	/	a	/	/	/	/
117	720913114502	R.SHANMUGA BHUVANESWAR	/	/	/	/	/	/	/	/	/	/
118	720913114309	A.NALLASAMY	/	/	/	/	/	/	/	/	/	a
119	720913114310	NITHIN.N.C	/	/	/	/	a	/	/	/	/	/
120	720913114311	PRAVIN.P	/	/	/	/	/	/	/	/	/	/
121	720913114312	PRINCE.C	/	/	/	a	/	/	/	/	/	/
122	720913114313	SAGAR.A.S	/	/	a	/	/	/	/	/	/	/
123	720913114314	SARANRAJ.S	/	/	/	/	/	a	/	/	/	/
124	720914114503	VINITH M	/	/	/	/	/	/	/	/	/	/
125	720914114505	VIGNESH N P	/	/	a	/	/	/	/	/	/	a
126	720914114506	SREENATH T V	/	/	/	/	a	/	/	/	/	/

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Department Of Mechanical Engineering

CNC PART PROGRAMING AND MACHINING

Course content

Introduction, applications and advantages of CNC machines and technology , Prepare CNC program for CNC Lathe, CNC Turning Centre, Calculate CNC Machining Parameters , Prepare process plan, job card, inspection report , Handle measuring instrument for inspection , Prepare program and execute machining for CNC Lathe,CNC Turning Centre, Follow Safety norms during operations

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE COURSEOnCNC PART PROGRAMING AND MACHINING

FEED BACK FROM STUDENTS

Name : SURESH . V

Date: 03.02.2016

Kindly put (V) mark

	Poor	Average	Good	Excellent/ Useful
Overall Verdict				✓
Training Structure			✓	
Training Content				✓
Quality of Handouts			✓	
Session Length			✓	
Venue				✓

What did you like about the course?

Useful to have for knowledge.

What do you think could be improved?

More practical sessions

Outline 3 things that you will take with you/have learnt in this session

1) Learn about process plan, JOB card,
In spection report

Do you have any suggestions for new sessions?

- NIL -

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L.KARTHICK, B.E

Ramanathapuram,Coimbatore

B.E Mechanical Engineering, MBA

SENIOR CNC PROGRAMMER (2014-TILL DATE 2016)

- Assist in the selection of new equipment
- Prepare detailed work instructions and supervise machining process validations including operator training
- Assists with the development of concepts, ideas, and methods for solving milling/machining problems
- Performs precision work to exacting tolerances for Tooling R&D and/or Production Engineering
- Communicate effectively with Manufacturing Engineering, Product Development Engineering, plant personnel, and individuals outside the company
- Programs, performs setup, and runs CNC mills and lathes
- Create and maintain multi-axis CNC programs to produce parts using CAD/CAM software
- Proficient with Solid Edge, Microsoft Office products including, but not limited to, Word, Excel.

CNC-PROGRAMMER (2010-2014)

- Record and report each improvement before and after with cost savings detail to the management (Tooling improvement, Parametric changes, Etc.)
- Works with other manufacturing departments, providing assistance and expertise
- Manage continuous improvement initiatives by using of Andersen Management System (AMS)
- Develop, create, and train tool lists and work instructions
- Perform work assignments from beginning to end with minimal supervision in an efficient, timely, and professional manner

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- Maintain and look for opportunities to improve time standards across all aspects including; reduced cycle times, improved setup times, reduced downtime
- Expected to work in a safe manner in accordance with established operating procedures and practices

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World class training in CNC

COURSE COMPLETION CERTIFICATE

This is to certify that Mr/Ms **ABHILESH P K** has successfully completed the training course on **CNC Part Programming and Machining** during **27-01-2016 to 03-02-2016** conducted by the Department of Mechanical Engineering in the academic year 2015-16.

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Kovai CNC Centre™
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COURSE COMPLETION CERTIFICATE

This is to certify that Mr/Ms **ABINESH KUMAR N** has successfully completed the training course on **CNC Part Programming and Machining** during **27-01-2016 to 03-02-2016** conducted by the Department of Mechanical Engineering in the academic year 2015-16.

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World class training in CNC

COURSE COMPLETION CERTIFICATE

This is to certify that Mr/Ms **ABIYALAKAN M** has successfully completed the training course on **CNC Part Programming and Machining** during **27-01-2016 to 03-02-2016** conducted by the Department of Mechanical Engineering in the academic year 2015-16.

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Kovai CNC Centre™
World class training in CNC

COURSE COMPLETION CERTIFICATE

This is to certify that Mr/Ms **AFNAS V A** has successfully completed the training course on **CNC Part Programming and Machining** during **27-01-2016 to 03-02-2016** conducted by the Department of Mechanical Engineering in the academic year 2015-16.

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PICHANUR COIMBATORE- 641105

Kovai CNC Centre™
World class training in CNC

COURSE COMPLETION CERTIFICATE

This is to certify that Mr/Ms **AJATHCHATHRU B** has successfully completed the training course on **CNC Part Programming and Machining** during **27-01-2016 to 03-02-2016** conducted by the Department of Mechanical Engineering in the academic year 2015-16.

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JCT **JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

Pichanur, Coimbatore – 641 105

01/07/2015

From

Head of the Department,
Department of Petrochemical Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting course "PCECA01- Energy conservation auditing" - Reg.

The Department of Petrochemical Engineering is planned to conduct the course "PCECA01- Energy conservation & Auditing" for our Petrochemical engineering students. The course period is conducting on 01/08/2015, 08/08/2015, 22/08/2015, 29/08/2015 & 12/09/2015. The details about the program and the course coordinator are given below for your perusal. Hence I request you to kindly provide the permission for conducting the above course successfully.

Name of the Event	Course Coordinator	Organized by	Date
PCECA01-Energy conservation & Auditing	Dr.R.Paramasivam/HOD, K.Balasubramani/AP	Petrochemical Engineering	01/08/2015, 08/08/2015, 22/08/2015, 29/08/2015 & 12/09/2015.

Thanking you,

Yours truly,

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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06/07/2015

CIRCULAR

DEPARTMENT OF PETROCHEMICAL ENGINEERING

It is proposed to conduct a course (PCECA01- Energy conservation & Auditing) on 01/08/2015, 08/08/2015, 22/08/2015, 29/08/2015 & 12/09/2015 for Petrochemical Students. This is used to provide a great ideas and their scenario of the concept of conservation energy and its auditing. So, interested students are advised to register the name to the course coordinator.

6/7/15

HOD/PCE

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

COURSE	COURSE NAME	TOTAL HOURS
PCECA01	Energy Conservation and Auditing	40

Course Objectives:

1) To enable the students to understand the concept of energy and its importance
2) To educate the students to understand the principles of energy management
3) To Know well about the Global Energy scenario
4) To know about energy audit and its methodology

Course Outcome:

- Students will be able to understand the different methods used to minimize the energy cost and their scenario

UNIT	Detailed Syllabus	Hours
Unit I	**Introduction to Energy:** Importance of Energy - Conventional and non- Conventional Energy- Bio Mass Energy- Energy Conservation- Energy Conservation in Chemical Industries	10
UNIT II	**Principles of Energy Management** Definition and Objectives of Energy management - Energy Management Planning- Fuel & Energy Substitute-Maximizing system effiencies-Optimizing the input energy requirements.	10
UNIT III	**Global Energy Scenario** Discovery of various energy sources-Energy sources and over all energy demand and availability-Energy consumption in various sectors and its changing pattern-Exponential increase in energy consumption and projected future demand.	10
UNIT IV	**Energy Audit Procedure** Energy Audit –need -types of energy audit- Understanding the Energy Cost- Energy Audit Tools- Energy Audit Report- Bench marking - Energy performance-matching energy use to requirement.	10

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

COURSE	COURSE NAME	TOTAL HOURS
PCECA01	Energy Conservation and Auditing	40

S.No	Topics to be covered	Hours	Resource person
	Day 1		
1	Importance of Energy	2	Internal
2	Conventional and non- Conventional Energy	2	Internal
3	Bio Mass Energy	2	Internal
4	Energy Conservation	2	Internal
	Day 2		
1	Energy Conservation in Chemical Industries	2	Internal
2	Definition and Objectives of Energy management	2	Internal
3	Energy Management Planning	2	Internal
4	Fuel & Energy Substitute	2	Internal
	Day 3		
1	Maximizing system effiencies.	2	Internal
2	Optimizing the input energy requirements	2	Internal
3	Discovery of various energy sources	2	Internal
4	Energy sources and over all energy demand and availability	2	Internal
	Day 4		
1	Energy consumption in various sectors and its changing pattern	3	Internal
2	Exponential increase in energy consumption and projected future demand.	3	Internal
3	Energy Audit –need types of energy audit	2	Internal
	Day 5		
1	Understanding the Energy cost	2	Internal
2	Energy Audit Tools	2	Internal
3	Energy Audit Report	1	Internal
4	Bench marking	1	Internal
5	Energy performance	1	Internal
6	Matching energy use to requirement	1	Internal

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JCT College of Engineering and Technology

Coimbatore-105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

Course: PCECA01-Energy conservation & Auditing

Day	1	2	10.45-11.00	3	4	12.30-01.20	5	6	7	8
	9.10-10.45			11.00-12.30			1.20 – 4.30			
01/08/2015	**Introduction Through HOD & Principal, Course Co-Coordinator**		BREAK	Dr.R.Paramasivam/HOD, K.Balasubramani/AP		LUNCH BREAK	Dr.R.Paramasivam/HOD, K.Balasubramani/AP			
08/08/2015	K.Balasubramani/AP, N.Ramkumar/AP			K.Balasubramani/AP, N.Ramkumar/AP			Dr.R.Paramasivam/HOD, K.Balasubramani/AP			
22/08/2015	K.Balasubramani/AP, M.Ramkumar/AP,			K.Balasubramani/AP, M.Ramkumar/AP,			Dr.R.Paramasivam/HOD, K.Balasubramani/AP			
29/08/2015	Dr.R.Paramasivam/HOD, K.Balasubramani/AP			Dr.R.Paramasivam/HOD, K.Balasubramani/AP			Dr.R.Paramasivam/HOD, K.Balasubramani/AP			
12/09/2015	Dr.R.Paramasivam/HOD, K.Balasubramani/AP			KDr.R.Paramasivam/HOD, K.Balasubramani/AP			**Assessment test, Feedback** Dr.R.Paramasivam/HOD, K.Balasubramani/AP			

HoD

JCT JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

TÜV AUSTRIA

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DEPARTMENT OF PETROCHEMICAL ENGINEERING

Registration of certificate Course (PCECA01- Energy conservation and Auditing)

SI:NO	NAME	SIGNATURE OF THE STUDENTS
1	ABIN MOHAMED M	
2	AMAL JOSE	
3	AMSON MD	
4	ANUROOP SASTHA K R	
5	APARNA S PILLAI	
6	ASHIF NECIKKANDAN	
7	ASHOK SAMRAT R	
8	BINIYAS ABOOBACKER ALI	
9	DINESH G	
10	ELDHO KURIAKOSE	
11	FOUSE KHALID	
12	GOKUL G KUMAR	
13	GOPI G	
14	GURUBALAN M	
15	HARISH BABU R R	
16	JAHUBAR SATHIK ALI J	
17	JASMINE S	
18	JIBU B THOMAS	
19	KAMALNATH J	
20	KANNAPAN S	
21	KARTHICK T	
22	KAVIN KISHORE P	

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23	MAGINUS MARTIN W	
24	MAHA VISHNU S	
25	MANIKANDAN S	
26	MENAGA D	
27	MIDHUN K JOY	
28	MINAL S	
29	MOHAMED FAZITH M	
30	MOHAMED NADEEM A	
31	MOHAMED THAREEK S	
32	MOHAMED SHAMEEM P K	
33	MOHAMMED YASEEN	
34	MOHAN KARTHIK T	
35	MUHAMED IRSHAD KOTTUVALA	

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore - 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROCHEMICAL ENGINEERING

SI:NO	NAME	1/08/2015	8/8/2015	22/8/2015	29/8/2015	12/09/2015
1	ABITH MOHAMED M	/	/	/	/	/
2	AMAL JOSE	/	/	/	/	/
3	AMSON M D	/	/	/	/	/
4	ANUROOP SASTHA K R	/	/	/	/	/
5	APARNA S PILLAI	/	/	/	/	/
6	ASHIF NECHIKKANDAN	/	/	/	/	/
7	ASHOK SAMRAT R	/	/	/	/	/
8	BINIYAS ABOOBACKER ALI	/	/	/	/	/
9	DINESH G	/	/	/	/	/
10	ELDHO KURIAKOSE	/	/	/	/	/
11	FOUSE KHALID	/	/	/	/	/
12	GOKUL G KUMAR	/	/	/	/	/
13	GOPI A	/	/	/	/	/
14	GURUBALAN M	/	/	/	/	/
15	HARISH BABU R R	/	/	a	/	/
16	JAHUBAR SATHIK ALI J	/	/	/	/	/
17	JASMINE S	/	/	/	/	/
18	JIBU B THOMAS	/	/	/	/	/
19	KAMALNATH J	/	/	/	/	a
20	KANNAPAN S	/	/	/	/	/
21	KARTHICK T	/	/	/	a	/
22	KAVIN KISHORE P	/	/	/	/	/
23	MAGNUS MARTIN W	/	/	/	/	/
24	MAHAVISHNU S	/	/	/	/	/
25	MANIKANDAN S	/	/	/	/	/

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26	MENAGA D	/	/	/	/	/
27	MIDHUN K JOY	/	/	/	/	/
28	MINAL S	/	a	/	/	a
29	MOHAMED FAZITH M	/	/	/	/	/
30	MOHAMED NADEEM A	/	/	/	/	/
31	MOHAMED THAREEK S	/	/	/	/	/
32	MOHAMMED SHAMEEM P K	/	/	/	/	/
33	MOHAMMED YASEEN	/	/	/	/	/
34	MOHAN KARTHIK T	/	/	/	/	/
35	MUHAMED IRSHAD KOTTUVALA	/	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Students Feed back

Title: ENERGY CONSERVATION AND AUDITING
Date: 12/09/15

For the following areas, please indicate your rating:

A. Content	1 Fair	2 Good	3 Very Good	4 Excellent
Covered useful material			✓	
Practical to my needs and interests		✓		
Well organized				✓
Well paced				✓
Presented at the right level			✓	
Effective activities		✓		
Useful visual aids and hand-outs				✓
B. Presentation			✓	
Instructor's knowledge			✓	
Instructor's presentation style			✓	✓
Instructor covered material clearly		✓		
Instructor responded well to questions			✓	
Instructor facilitated interactions among participants well				✓

C. How could this Course to be improved?	Basics required
D. Any other comments or suggestions?	New Ideas to be Improved.

E. Overall, how would you rate this Guest Lecture/Seminar?

[ ] POOR [ ] FAIR [ ] GOOD [✓] EXCELLENT

SIGNATURE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF PETROCHEMICAL ENGINEERING

Students Feed back

Title: ENERGY CONSERVATION AND AUDITING.
Date: 12/09/2015.

For the following areas, please indicate your rating:

A. Content	1 Fair	2 Good	3 Very Good	4 Excellent
Covered useful material			✓	
Practical to my needs and interests		✓		
Well organized				✓
Well paced			✓	
Presented at the right level				✓
Effective activities			✓	
Useful visual aids and hand-outs		✓		
B. Presentation				
Instructor's knowledge			✓	
Instructor's presentation style			✓	
Instructor covered material clearly				✓
Instructor responded well to questions		✓		
Instructor facilitated interactions among participants well			✓	

C. How could this Course to be improved?	voices are not audible to increase the sounds.
D. Any other comments or suggestions?	No Comments.

E. Overall, how would you rate this Guest Lecture/Seminar?

[ ] POOR [ ] FAIR [ ] GOOD [✓] EXCELLENT

SIGNATURE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ DINESH. G has successfully completed the course on *Energy conservation and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 01/08/2015, 08/08/2015, 22/08/2015, 29/08/2015 & 12/09/2015 during the academic year 2015-16.

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR – 641 105.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ GOKUL.G.KUMAR has successfully completed the course on *Energy conservation and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 01/08/2015, 08/08/2015, 22/08/2015, 29/08/2015 & 12/09/2015 during the academic year 2015-16.

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

COURSE COORDINATOR

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PICHANUR, COIMBATORE - 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ FOUSE KHALID has successfully completed the course on *Energy conservation and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 01/08/2015, 08/08/2015, 22/08/2015, 29/08/2015 & 12/09/2015 during the academic year 2015-16.

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ BINIYAS ABOOBACKER AU has successfully completed the course on *Energy conservation and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore, held on 01/08/2015, 08/08/2015, 22/08/2015, 29/08/2015 & 12/09/2015 during the academic year 2015-16.

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PICHANUR, COIMBATORE – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./~~Ms.~~ ASHOK SAMRAT . R has successfully completed the course on *Energy conservation and Auditing* organized by, Department of Petrochemical Engineering, JCT College of Engineering & Technology, Coimbatore. held on 01/08/2015, 08/08/2015, 22/08/2015, 29/08/2015 & 12/09/2015 during the academic year 2015-16.

COURSE COORDINATOR

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REG NO	G. Dinesh - 720912139012
MARKS	18/20

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCECA01-Energy conservation & Auditing

1. The main constituents of Green house gases (GHG) are
   a) CO_2 & CH_4 b) SOx c) NOx d) Water vapor

2. Energy is released from fossil fuels when they are
   a) Pumped b) Cooled c) Burned d) Pressurized

3. The most nuclear fuel used in the world is
   a) Thorium-232 b) Uranium-238 c) Uranium-235 d) Plutonium-239

4. Proposed new technologies, process modifications, equipment replacements are the elements of
   a) Financing b) Contracting c) Technical design d) Implementation

5. The world average per capital CO_2 emission is tons per annum.
   a) 0.93 b) 2.2 c) 3.87 d) 4.53

6. While plotting a CUSTUM Chart it is observed that CUSTUM during previous month was 12, the same during the current month will be
   a) > 12 b) <12 c) =12 d) can't be said

7. Which of the following is not a duty of an energy manager?
   a) Report to BEE
   b) Provide the support to accredited energy auditing firm
   c) Prepare a scheme for efficient use of energy
   d) Sign an energy policy

8. Which among the following are elements of project management?
   a) Managing resources b) Managing time and schedule
   c) Managing costs d) all of the above

9. In order to produce solar energy during sunlight, where the energy is stored in the batteries?
   a) Nickel-Sulfur b) Zinc-Cadmium c) Nickel-Cadmium d) Nickel-Zinc

10. Energy in the form of heat and light is obtained by
    a) Biomass b) Fossil fuels c) Sun d) Wind

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11. What is ESCO?

a) Energy Saving Company b) Energy Sourcing Company
c) Energy Service Company d) Energy section of Company

12. Which of the following is the most accurate instrument for surface temperature measurement of the hot pipe line?

a) Thermocouples b) Pyrometer c) Leaf type contact thermometer d) All of the above

13. One kWh of electricity is equivalent to many heat units in BTU?

a) 746 b) 860 c) 3412 d) 12000

14. The ozone layer in the stratosphere acts as an efficient filter for

a) Solar UV-B rays b) X-rays c) Gamma rays d) UV-A rays

15. What is the heat required to melt 2 kg of ice from Zero degree to liquid water at zero degree in KJ at atmospheric condition?

a) 676 b) 4520 c) 160 d) 1080

16. Which of the following gas damage the ozone layer?

a) Argon b) CFCs c) CO_2 d) Nitrogen

17. In cumulative sum chart, if the graph is horizontal, then

a) Nothing can be said
b) Actual and calculated energy consumption is the same
c) Energy consumption is reduced d) Specific energy consumption is going up

18. For all the expenditures in the plant, the value of cash flow at the end of the year will be

a) Positive b) Negative c) Nil d) None of the above

19. The simplest techniques for scheduling of task and tracking progress is

a) CPM b) Gantt chart c) PERT d) Cusum

20. A sensitivity analysis is an assessment of

a) Cash flows b) Risks due to assumptions c) Capital investment d) best financing source

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REG NO	720912139015
MARKS	18/20

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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   a) Thorium-232 b) Uranium-238 c) Uranium-235 d) Plutonium-239

4. Proposed new technologies, process modifications, equipment replacements are the elements of
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12. Which of the following is the most accurate instrument for surface temperature measurement of the hot pipe line?
a) Thermocouples b) Pyrometer c) Leaf type contact thermometer d) All of the above

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REG NO	720912139014
MARKS	18/20

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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REG NO	720916159010.
MARKS	18/20

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

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c) Energy Service Company d) Energy section of Company

12. Which of the following is the most accurate instrument for surface temperature measurement of the hot pipe line?
a) Thermocouples b) Pyrometer c) Leaf type contact thermometer d) All of the above

13. One kWh of electricity is equivalent to many heat units in BTU?
a) 746 b) 860 c) 3412 d) 12000

14. The ozone layer in the stratosphere acts as an efficient filter for
a) Solar UV-B rays b) X-rays c) Gamma rays d) UV-A rays

15. What is the heat required to melt 2 kg of ice from Zero degree to liquid water at zero degree in KJ at atmospheric condition?
a) 676 b) 4520 c) 160 d) 1080

16. Which of the following gas damage the ozone layer?
a) Argon b) CFCs c) CO_2 d) Nitrogen

17. In cumulative sum chart, if the graph is horizontal, then
a) Nothing can be said
b) Actual and calculated energy consumption is the same
c) Energy consumption is reduced d) Specific energy consumption is going up

18. For all the expenditures in the plant, the value of cash flow at the end of the year will be
a) Positive b) Negative c) Nil d) None of the above

19. The simplest techniques for scheduling of task and tracking progress is
a) CPM b) Gantt chart c) PERT d) Cusum

20. A sensitivity analysis is an assessment of
a) Cash flows b) Risks due to assumptions c) Capital investment d) best financing source

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REG NO	2091239010
MARKS	18/20

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PCECA01-Energy conservation & Auditing

1. The main constituents of Green house gases (GHG) are
   a) CO_2 & CH_4 b) SOx c) NOx d) Water vapor

2. Energy is released from fossil fuels when they are
   a) Pumped b) Cooled c) Burned d) Pressurized

3. The most nuclear fuel used in the world is
   a) Thorium-232 b) Uranium-238 c) Uranium-235 d) Plutonium-239

4. Proposed new technologies, process modifications, equipment replacements are the elements of
   a) Financing b) Contracting c) Technical design d) Implementation

5. The world average per capital CO_2 emission is tons per annum.
   a) 0.93 b) 2.2 c) 3.87 d) 4.53

6. While plotting a CUSTUM Chart it is observed that CUSTUM during previous month was 12, the same during the current month will be
   a) > 12 b) <12 c) =12 d) can't be said

7. Which of the following is not a duty of an energy manager?
   a) Report to BEE
   b) Provide the support to accredited energy auditing firm
   c) Prepare a scheme for efficient use of energy
   d) Sign an energy policy

8. Which among the following are elements of project management?
   a) Managing resources b) Managing time and schedule
   c) Managing costs d) all of the above

9. In order to produce solar energy during sunlight, where the energy is stored in the batteries?
   a) Nickel-Sulfur b) Zinc-Cadmium c) Nickel-Cadmium d) Nickel-Zinc

10. Energy in the form of heat and light is obtained by
    a) Biomass b) Fossil fuels c) Sun d) Wind

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11. What is ESCO?

a) Energy Saving Company b) Energy Sourcing Company

c) Energy Service Company d) Energy section of Company

12. Which of the following is the most accurate instrument for surface temperature measurement of the hot pipe line?

a) Thermocouples b) Pyrometer c) Leaf type contact thermometer d) All of the above

13. One kWh of electricity is equivalent to many heat units in BTU?

a) 746 b) 860 c) 3412 d) 12000

14. The ozone layer in the stratosphere acts as an efficient filter for

a) Solar UV-B rays b) X-rays c) Gamma rays d) UV-A rays

15. What is the heat required to melt 2 kg of ice from Zero degree to liquid water at zero degree in KJ at atmospheric condition?

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c) Energy consumption is reduced d) Specific energy consumption is going up

18. For all the expenditures in the plant, the value of cash flow at the end of the year will be

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19. The simplest techniques for scheduling of task and tracking progress is

a) CPM b) Gantt chart c) PERT d) Cusum

20. A sensitivity analysis is an assessment of

a) Cash flows b) Risks due to assumptions c) Capital investment d) best financing source

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JCT

College of Engineering and Technology

From

Head of the Department

Department of Petrochemical Engineering,

JCT College of Engineering and Technology,

Coimbatore - 641105.

To

The Principal

JCT College of Engineering and Technology,

Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a value added course on **"Advanced Muncipal Waste Treatment Methods"** from **15.06.2016 to 18.06.2016** (4 days) for **third year** students. I request you to give permission for the above on suitable dates.

Thanking you

Yours Sincerely,

Dr.S. Venkatesa Prabhu

30.05.2016

PRINCIPAL

JCT College of Engineering & Technology

Pichanur, Coimbatore - 641105

Principal

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JCT



JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641105

DEPARTMENT OF PETROLEUM ENGINEERING

VALUE ADDED COURSE 2015-16

INTENDED AUDIENCE : B.E/B.Tech Second Year

INDUSTRIES APPLICABLE TO: All Industries

COURSE OUTLINE :

Due to rapid increase in the production and consumption processes, societies generate as well as reject solid materials regularly. One of the ways to salvage the situation is through efficient management of solid wastes, and this is the focus of this Course, Management of Municipal Solid Waste. In the Course, we will discuss the processes involved in the management of solid wastes - from waste generation to final disposal.

COURSE PLAN :

- Municipal Solid Waste Management.
- Waste Disposal - Key issues and features.
- Planning of a Recycling Programme
- Recycling Programme Elements.

Advanced municipal solid waste management

S.VENKATESAPRABHU
DEPT OF PETROLEUM ENGINEERING
JCT COLLEGE OF TECHNOLOGY

TYPE OF COURSE : RERUN, UG
DURATION: 4 days (15-18th Jun 2016)

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641 105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.05.2016

Our Department is conducting a course on **"Advanced Muncipal Waste Treatment Methods"** from **15.06.2016 to 18.06.2016** (4 days) for **third year** students. The classes are taken by Dr S Venkatesa Prahbhu of Petroleum Department. Interested students can contact your Class advisor for correspondence and more details.

Time: 9am to 4 pm

HOD-PE

Circulation to:

- III PE Class Room
- To be displayed on Notice Board.

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Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

NAME LIST

Academic year 2016-2017

Name of the Academy: JCT

Name of the Program: ADVANCED SOLID WASTE MANAGEMENT

no	Student name	Student name
1	AJIN SCARIA MATHEW	720914219001
2	AJITH U	720914219002
3	AJITH RAJ.R	720914219003
4	ALAN P THANKACHAN	720914219004
5	ANAND.R	720914219005
6	ANIRUDH SREEKUMAR MENON	720914219006
7	ANTOLO SOLOMON J	720914219007
8	ARAVAZHI.M	720914219008
9	ARUN NATH.R	720914219009
10	ASHLIN.T.J	720914219010
11	ASHWIN.D.M	720914219011
12	BALAJI.S	720914219012
13	BALASUBRAMANIYAN.K	720914219013
14	CLINTON JOY.M	720914219014
15	DAINGEL.T.D	720914219015
16	DEEPAK.R	720914219016
17	EAPPEN B PALAMATTOM	720914219017
18	EBIN MOSES.J	720914219018
19	FLAWEN JEO MATHEW	720914219019
20	GOPI KRISHNA.A	720914219020
21	HARISANKAR SREEKUMAR	720914219021
22	JITHIN JOSEPH	720914219022
23	JITHU.S	720914219023
24	JOBI.C.M	720914219024
25	KARTHIK.A	720914219025
26	KARTHIK R	720914219026
27	KARITHIKA.UL	720914219027
28	KINGSLY PRETHIP.N	720914219028
29	KRISHNAKUMAR.S	720914219029
30	KUBERAN.S	720914219030
31	MAHESWARAN.M	720914219031
32	MANOJ.T	720914219032
33	MOHAMED ASHARDEEN.S	720914219033
34	MOHAMED MIRAHUSSAIN.J	720914219034
35	MOHAMED SHAKIT K	720914219035
36	MOHAMMED RABEEH.K	720914219036
37	MOHAMMED RABEEH.K	720914219036

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COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

38	MUHAMMED NAUFAL.A	720914219037
39	MUHAMMED FASIL.M	720914219038
40	MUJEEB.T.M	720914219039
41	MUSTHAFA KAMIL.M	720914219040
42	NAVEENKARC.S	720914219041
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64	YENOK LIVINGSTON.B	720914219063
65	KAVIYAN M	720914219301

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Pichanur, Coimbatore-641105

HoD/PE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR VALUE ADDED COURSE

Academic year 2016-2017

Name of the Academy: JCT

Name of the Program: ADVANCED SOLID WASTE MANAGEMENT

no	Student name	15/6	16/6	17/6	19/6
1	AJIN SCARIA MATHEW	✓	✓	✓	✓
2	AJITH U	✓	✓	✓	✓
3	AJITH RAJ.R	✓	✓	✓	✓
4	ALAN P THANKACHAN	✓	✓	✓	✓
5	ANAND.R	✓	✓	A	✓
6	ANIRUDH SREEKUMAR MENON	✓	✓	✓	✓
7	ANTOLO SOLOMON J	A	✓	✓	✓
8	ARAVAZHI.M	✓	✓	✓	✓
9	ARUN NATH.R	✓	✓	✓	✓
10	ASHLIN.T.J	✓	✓	✓	✓
11	ASHWIN D M	✓	✓	✓	✓
12	BALAJI.S	✓	✓	✓	✓
13	BALASUBRAMANIYAN.K	✓	✓	✓	✓
14	CLINTON JOY.M	✓	✓	✓	✓
15	DAINGEL.T.D	✓	✓	✓	✓
16	DEEPAK.R	✓	A	✓	✓
17	EAPPEN B PALAMATTOM	✓	✓	✓	✓
18	EBIN MOSES.J	✓	✓	✓	✓
19	FLAWEN JEO MATHEW	✓	✓	✓	✓
20	GOPI KRISHNA.A	✓	✓	✓	✓
21	HARISANKAR SREEKUMAR	✓	✓	✓	✓
22	JITHIN JOSEPH	✓	✓	✓	A
23	JITHU.S	✓	✓	✓	A
24	JOBI.C.M	✓	✓	✓	✓
25	KARTHIK.A	✓	✓	✓	✓
26	KARTHIK R	✓	✓	✓	✓
27	KARITHIKA.UL	✓	✓	✓	✓
28	KINGSLY PRETHIP.N	✓	✓	✓	✓
29	KRISHNAKUMAR.S	✓	✓	✓	✓
30	KUBERAN S	✓	✓	✓	✓
31	MAHESWARAN.M	✓	✓	✓	✓
32	MANOJ.T	✓	✓	✓	✓
33	MOHAMED ASHARDEEN.S	✓	✓	✓	✓
34	MOHAMED MIRAHUSSAIN.J	✓	✓	✓	✓
35	MOHAMED SHAKIT K	✓	✓	A	✓
36	MOHAMMED RABEEH K	✓	✓	A	✓
37	MOHAMMED RABEEH.K	✓	✓	✓	✓

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore 641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

38	MUHAMMED NAUFAL.A	/	/	/	/
39	MUHAMMED FASIL.M	/	/	A	/
40	MUJEEB.T.M	/	/	A	/
41	MUSTHAFA KAMIL.M	/	/	/	/
42	NAVEENKARC.S	/	/	/	/
43	NISHANTHKUMAR.M	/	/	/	/
44	PRADEEPAN.S	/	/	/	/
45	PRAVEEN.M.P	/	/	/	/
46	RAHUL.S	/	/	/	/
47	RAMEES.V.M	/	/	/	/
48	RANJITH.D	A	/	/	/
49	RISHIKESAN.S	/	/	/	/
50	SAINATH V	/	A	/	A
51	SANJAY KUMAR.P	/	A	/	/
52	SANTHOSH KUMAR.V	/	A	/	/
53	SATHEESH KUMAR.R	/	A	/	/
54	SHIBI SHAJAHAN	/	/	/	/
55	SHIEK SHAHEEL.N	/	/	/	/
56	SHINU DAS	/	/	/	/
57	SREERAJ.K.K	/	/	/	/
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59	THANVEER.K.T	/	/	/	/
60	THATHIN.S	/	/	/	/
61	VIBIN.J	/	/	/	/
62	VIJAYAVEL.M	/	/	/	/
63	VINOD VARGHESE	/	/	/	/
64	YENOK LIVINGSTON.B	/	/	/	/
65	KAVIYAN M	/	/	/	/

HoD/PE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AJITH U

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

HoD/PE

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& Technology
...tore-641105

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AJIN SCARIA MATHEW

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

HoD/PE

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms PRAVEEN.M.P

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

HoD/PE

PRINCIPAL
JCT College of Engineering & Tech
Pichanur, Coimbatore-641105

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Department of Petroleum Engineering

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms PRADEEPAN.S

has successfully completed the 4 day Course on Advanced Muncipal Waste Management from 15.06.2016 to 18.06.2016

HoD/PE

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore-641105
Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AJITH RAJ.R

has successfully completed the 4 day Course on **Advanced Muncipal Waste Management** from 15.06.2016 to 18.06.2016

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HoD/PE

Principal

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From

Head of the Department

Department of Petrochemical Engineering,

JCT College of Engineering and Technology,

Coimbatore - 641105.

To

The Principal

JCT College of Engineering and Technology,

Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a Certification course on **"oil extraction equipments"**. We are bringing the industrial Experts from Meridian school of oil and gas, Chennai to take classes in our Department students during 25.06.15 to 02.07.15. I request you to give permission for the above on suitable dates.

Thanking you

Yours Sincerely,

PRINCIPAL

Dr.S. Venkatesa Prabhu

30.05.2015

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

7.06.2015

Our Department has arranged a 1week course for our **third year** students in the topic **"Oil Extraction Equipments"**. We are bringing the industrial Experts from Meridian school of oil and gas, Chennai to take classes in our Department students during 25.06.15 to 2.07.15. All the students must attend these courses without fail. Contact your Class advisor for correspondence and information.

Time: 9am to 4 pm.

HOD-PE

Circulation to:

- III year PE Class Room
- To be displayed on Notice Board.

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

MERIDIAN

We are glad to inform you that department of petroleum engineering is organizing a 1 week certification course on Oil Extraction Equipments. The course is conducted by Meridian School of Oil and Gas, Chennai.

The training program is scheduled from 25.06.2015-2.07.2015 between 9:00 am to 5:00 pm at Tutor Hall. The registration can be done up to 1 week before commencement of class. Kindly mail the duly filled form at training331@gmail.com

Course Objective

This course is aimed at equipping an engineer with appropriate knowledge and skills required in understanding the different operations involved in oil and gas equipment design.

Course Structure

SL.NO	MODULES	DURATION
01	Geophysical techniques involved, Upstream and Downstream Operations	8 hours
02	Environmental factors and their solution	8 hours
03	Equipment Study, Design,	19 hours

Eligibility : B.E / B.Tech Third year students

Duration : 1 week

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

Academic year 2015-2016

Name of the Academy: MERIDIAN SCHOOL OF OIL AND GAS

Name of the Program: OIL EXTRACTION EQUIPMENTS

no	Student name	Student name
1	ABDUL KADHER K I	720913219001
2	ABHIJITH S	720913219002
3	ADHEEP N U	720913219003
4	AIMEN K M	720913219004
5	AMAL T	720913219007
6	ANANDHU R KRISHNA	720913219008
7	ANAND VIJAY KUMAR S	720913219009
8	ANTONY VINITH S L	720913219010
9	ARUN KUMAR .A	720913219011
10	ARVIND VIMALAN	720913219012
11	GANDHIRAJAN K	720913219014
12	HABEEB RAHMAN T.P	720913219015
13	HARIHARAN R	720913219016
14	HARISHEEKAR C	720913219017
15	HEMANAGESWAR K	720913219018
16	HENDO KURIAN	720913219019
17	HRISHIKESH E.V.G	720913219020
18	JACKS JOSE	720914219502
19	JEFFIN THOMAS	720913219022
20	JEYARAGHAV R S	720913219023
21	KARTHICK S	720913219024
22	KRISHNAMOORTHI R	720913219025
23	MANICKAVASAGAN S	720913219026
24	MEHROS MOHSIN P.V	720913219027
25	MOHAMED ALI BAGATH S	720913219028
26	MOHAMMED C	720913219029
27	MUHAMMED ANFAL E A	720913219030
28	MUHAMMED FAYIS BASHEER C.M	720913219031

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[illegible]

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

37	MOHAMMED RABEEH.K	720914219036
38	MUHAMMED NAUFAL.A	720914219037
39	MUHAMMED FASIL.M	720914219038
40	MUJEEB.T.M	720914219039
41	MUSTHAFA KAMIL.M	720914219040
42	NAVEENKARC.S	720914219041
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60	THATHIN.S	720914219059
61	VIBIN.J	720914219060
62	VIJAYAVEL.M	720914219061
63	VINOD VARGHESE	720914219062
64	YENOK LIVINGSTON.B	720914219063
65	KAVIYAN M	720914219301

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

Academic year 2015-2016

Name of the Academy: MERIDIAN SCHOOL OF OIL AND GAS

Name of the Program: OIL EXTRACTION EQUIPMENTS

no	Student name	25/6	26/6	27/6	29/6	30/6	1/6	2/7
1	ABDUL KADHER K I	/	/	/	/	/	/	/
2	ABHIJITH S	/	/	/	/	/	/	/
3	ADHEEP N U	/	/	/	/	/	/	/
4	AIMEN K M	/	/	/	/	/	/	/
5	AMAL T	/	/	/	/	/	/	/
6	ANANDHU R KRISHNA	/	/	/	/	/	/	/
7	ANAND VIJAY KUMAR S	/	/	/	/	/	/	/
8	ANTONY VINITH S L	/	/	/	/	/	/	/
9	ARUN KUMAR .A	AK	/	/	/	/	AK	/
10	ARVIND VIMALAN	/	/	/	/	/	/	/
11	GANDHIRAJAN K	/	/	/	/	/	/	/
12	HABEEB RAHMAN T.P	/	/	/	/	/	/	/
13	HARIHARAN R	/	/	/	/	/	/	/
14	HARISHEEKAR C	/	/	/	/	/	/	/
15	HEMANAGESWAR K	/	/	/	/	/	/	/
16	HENDO KURIAN	/	/	/	/	/	/	/
17	HRISHIKESH E.V.G	/	/	/	/	/	/	/
18	JACKS JOSE	/	/	/	/	/	/	/
19	JEFFIN THOMAS	/	/	/	AB	/	/	/
20	JEYARAGHAV R S	/	/	/	/	/	/	/
21	KARTHICK S	/	/	/	/	/	/	/
22	KRISHNAMOORTHI R	/	/	/	/	/	/	/
23	MANICKAVASAGAN S	/	/	/	/	/	/	/
24	MEHROS MOHSIN P.V	/	/	/	/	/	/	/
25	MOHAMED ALI BAGATH S	/	/	/	/	/	/	/
26	MOHAMMED C	/	/	/	/	/	/	AK
27	MUHAMMED ANFAL E A	/	/	/	/	/	/	/
28	MUHAMMED FAYIS BASHEER C.M	/	/	/	/	/	/	/
29	NAVNEETHRAJESHKUMAR	/	/	/	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

	PRADHAP T	✓	✓	✓	✓	✓	✓	✓
31	R.PRASANNA VENKATESH	✓	✓	✓	✓	✓	✓	✓
32	V RAGUL	AB	✓	✓	✓	✓	✓	✓
33	RANJITH M	✓	✓	✓	AB	✓	✓	✓
34	RAVIKUMAR T	✓	✓	✓	✓	✓	✓	✓
	SABARINATH E	✓	✓	✓	✓	✓	✓	✓
36	SALMAN.M.ISMAIL	✓	AB	✓	✓	✓	✓	✓
37	SARATH KUMAR S	✓	✓	✓	✓	✓	✓	✓
38	SHAJIN M.H	✓	✓	✓	✓	✓	✓	✓
39	SHATHYAN P	✓	✓	✓	✓	✓	✓	✓
40	SHIDEV K D	✓	✓	✓	✓	✓	✓	✓
41	SRIKANTH S	✓	✓	✓	✓	✓	✓	✓
42	SUBIN U S	✓	✓	✓	✓	✓	✓	✓
43	SURYARAJ K	✓	✓	✓	✓	✓	✓	✓
44	VELMURUGAN S	✓	✓	✓	✓	✓	✓	✓
45	VIBHAKAR G	✓	✓	✓	AB	✓	✓	✓
46	VIGNESH A	✓	✓	✓	✓	✓	✓	✓
47	VINOD MEERAN	✓	✓	✓	✓	✓	AB	✓
48	SANKAR PANDI	✓	✓	✓	✓	✓	✓	✓
49	M. HARISH	✓	✓	✓	✓	✓	✓	✓

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Department of Petroleum Engineering

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COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: ABDUL KADHER K Sex (M/F): M

Department: Petroleum E-mail ----------

Address: ---------- mobile ..----------

Students are required to rate the courses

Name of the Trainer: ----------

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)			✓	
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher			✓	
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback		✓		
10. Overall rating		✓		

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COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: JEFFIN Thomas Sex (M/F): M

Department: Petroleum E-mail ----------

Address: ---------- mobile ..----------

Students are required to rate the courses

Name of the Trainer: ----------

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)			✓	
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher			✓	
5. Ability to integrate course material with environment/other issues, to provide a broader perspective			✓	
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)			✓	
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback			✓	
10. Overall rating		✓		

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COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: Henda Kusian Sex (M/F): M

Department: Petroleum E-mail ----------

Address: ---------- mobile ..----------

Students are required to rate the courses

Name of the Trainer: ----------

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher			✓	
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses		✓		
7 Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)			✓	
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating		✓		

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TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: Basheer C.M Sex (M/F): M

Department: Petroleum E-mail ----------

Address: ---------- mobile ..----------

Students are required to rate the courses

Name of the Trainer: ----------

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher			✓	
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)			✓	
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating			✓	

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TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

Student Feedback

Name of the Student: AMALT ----------Sex (M/F): ----

Department: Petroleum ---------- E-mail ----------

Address: ---------- mobile ..----------

Students are required to rate the courses

Name of the Trainer: ----------

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)			✓	
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate the students' understanding of the course		✓		
9. Provision of sufficient time for feedback		✓		
10. Overall rating		✓		

JCT College
Principal

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CERTIFICATE

MERIDIAN
SCHOOL OF
OIL AND GAS

Olltech
ENGINEERING

ADHEEP N U

This is to certify that the above mentioned student of Third Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil Extraction Equipments"

CERTIFICATE NO: MSOGPSO52015A022
PERIOD: 25.06.2015 to 02.07.2015

15.08.2015
Date

Authorised Signature

PRINCIPAL
College of Engineering & Technology
Pichanur, Coimbatore - 641105

www.meridian.edu.in

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CERTIFICATE

MERIDIAN
SCHOOL OF
OIL AND GAS

Olltech
ENGINEERING

ABHIJITH S

This is to certify that the above mentioned student of Third Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil Extraction Equipments"

CERTIFICATE NO: MSOGPSO52015A021
PERIOD: 25.06.2015 to 02.07.2015

Date 15.08.2015

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Authorised Signature

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CERTIFICATE

MERIDIAN
SCHOOL OF
OIL AND GAS

Olltech
ENGINEERING

ABDUL KADHER K I

This is to certify that the above mentioned student of Third Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil Extraction Equipments"

CERTIFICATE NO: MSOGPSO52015A020
PERIOD: 25.06.2015 to 02.07.2015

15.08.2015
Date

Authorised Signature

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CERTIFICATE

MERIDIAN SCHOOL OF OIL AND GAS

Olltech ENGINEERING

AMAL T

This is to certify that the above mentioned student of Third Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil Extraction Equipments"

CERTIFICATE NO: MSOGPSO52015A024
PERIOD: 25.06.2015 to 02.07.2015

15.08.2015
Date

PRINCIPAL
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CERTIFICATE

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ENGINEERING

ANANDHU R KRISHNA

This is to certify that the above mentioned student of Third Year Petroleum Engineering from JCT College of Engineering and Technology Coimbatore - Tamil Nadu has successfully completed the course on

"Oil Extraction Equipments"

CERTIFICATE NO: MSOGPSO52015A025
PERIOD: 25.06.2015 to 02.07.2015

15.08.2015
Date

Authorised Signature

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

Department of Automobile Engineering

TÜV AUSTRIA

Report of Certification Programme – Oil Extraction Equipments

The Department of Petroleum Engineering organized a certification course on Oil Extraction Equipments, from 25.06.2015 to 02.07.2015. The resource person for this program was **Mr.N.Naveen**, Senior Trainer, Meridian School of Oil and Gas, Chennai. The program started with the prayer song. The welcome address was given by Mr.Venkatesa Prabhu, Head of the Department, Department of Petroleum Engineering. The Felicitation address was given by Dr.G Ramesh, Principal of JCT College of Engineering and Technology, Coimbatore. The Introduction about the Chief Guest was given by Mr. Hariharan A, 3rd year Petroleum Engineering. The chief guest first gave an introduction on offshore structures. He then explained about the drilling procedure and problems encountered

He said about the extraction and processing of oils. He talked about the job opportunities related to oil fields.

The atmosphere of the Vocational Educational Program was very interesting. We learned a lot from the 1 week Program and were satisfied with the answers from the trainer. Mr Hariharan R, 3rd year Petroleum Engineering concluded with a vote of thanks.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

96/30

STUDENT NAME :	Jithin.
DATE :	**Hands on training on Embedded System**

Objective type Questions

1.	Which of the following processors can perform exponential, logarithmic and trigonometric functions? a) 8086 b) 8087 c) 8080 d) 8088
2.	How many stack register does an 8087 have? a) 4 b) 8 c) 16 d) 32
3.	How are negative numbers stored in a coprocessor? a) 1's complement b) 2's complement c) decimal d) gray
4.	How many bits are used for storing signed integers? a) 2 b) 4 c) 8 d) 16
5.	Which are the processors based on RISC? a) SPARC b) 80386 c) MC68030 d) MC68020
6.	Which of the architecture is more complex? a) SPARC b) MC68030 c) MC68030 d) 8086
7.	Which is the first company who defined RISC architecture? a).Intel b) IBM c) Motorola d) MIPS
8.	How is memory accessed in RISC architecture? a) load and store instruction b) opcode instruction c) memory instruction d) bus instruction
9.	What is CAM stands for? a) content-addressable memory b) complex addressable memory c) computing addressable memory d) concurrently addressable memory
10.	Which company further developed the study of RISC architecture? a) Intel b) Motorola c) university of Berkeley d) MIPS
11.	Princeton architecture is also known as a) von Neumann architecture b) Harvard c) RISC d) CISC
12.	Who coined the term RISC? a) David Patterson b) von Neumann c) Michael J Flynn d) Harvard
13.	Which of the following processors has CISC architecture? a) AVR b) Atmel c) Blackfin d) Zilog Z80
14.	Which is the most basic non-volatile memory? a) Flash memory b) PROM c) EPROM d) ROM
15.	Which of the following has programmable hardware? a) microcontroller b) microprocessor c) coprocessor d) FPGA

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

30/30

STUDENT NAME :	MAGESH.
DATE :	**Hands on training on Embedded System**

Objective type Questions

1.	Which of the following processors can perform exponential, logarithmic and trigonometric functions? a) 8086 b) 8087 c) 8080 d) 8088
2.	How many stack register does an 8087 have? a) 4 b) 8 c) 16 d) 32
3.	How are negative numbers stored in a coprocessor? a) 1's complement b) 2's complement c) decimal d) gray
4.	How many bits are used for storing signed integers? a) 2 b) 4 c) 8 d) 16
5.	Which are the processors based on RISC? a) SPARC b) 80386 c) MC68030 d) MC68020
6.	Which of the architecture is more complex? a) SPARC b) MC68030 c) MC68030 d) 8086
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12.	Who coined the term RISC? a) David Patterson b) von Neumann c) Michael J Flynn d) Harvard
13.	Which of the following processors has CISC architecture? a) AVR b) Atmel c) Blackfin d) Zilog Z80
14.	Which is the most basic non-volatile memory? a) Flash memory b) PROM c) EPROM d) ROM
15.	Which of the following has programmable hardware? a) microcontroller b) microprocessor c) coprocessor d) FPGA

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

28/30

STUDENT NAME :	Akhil. S.
DATE :	**Hands on training on Embedded System**

Objective type Questions

1.	Which of the following processors can perform exponential, logarithmic and trigonometric functions? (a) 8086 b) 8087 c) 8080 d) 8088
2.	How many stack register does an 8087 have? a) 4 (b) 8 c) 16 d) 32
3.	How are negative numbers stored in a coprocessor? a) 1's complement (b) 2's complement c) decimal d) gray
4.	How many bits are used for storing signed integers? a) 2 b) 4 c) 8 (d) 16
5.	Which are the processors based on RISC? (a) SPARC b) 80386 c) MC68030 d) MC68020
6.	Which of the architecture is more complex? a) SPARC b) MC68030 c) MC68030 d) 8086
7.	Which is the first company who defined RISC architecture? a) Intel (b) IBM c) Motorola d) MIPS
8.	How is memory accessed in RISC architecture? (a) load and store instruction b) opcode instruction c) memory instruction d) bus instruction
9.	What is CAM stands for? (a) content-addressable memory b) complex addressable memory c) computing addressable memory d) concurrently addressable memory
10.	Which company further developed the study of RISC architecture? a) Intel b) Motorola c) university of Berkeley (d) MIPS
11.	Princeton architecture is also known as (a) von Neumann architecture b) Harvard c) RISC d) CISC
12.	Who coined the term RISC? (a) David Patterson b) von Neumann c) Michael J Flynn d) Harvard
13.	Which of the following processors has CISC architecture? (a) AVR b) Atmel c) Blackfin d) Zilog Z80
14.	Which is the most basic non-volatile memory? a) Flash memory b) PROM c) EPROM (d) ROM
15.	Which of the following has programmable hardware? a) microcontroller b) microprocessor c) coprocessor (d) FPGA

Akhil

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PICHANUR, COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

HANDS ON TRAINING ON "MOTOR WINDING DESIGN"CERTIFICATE COURSE
(ACADEMIC YEAR 2015-2016)

96/30

STUDENT NAME: RAHUL. R **DATE:**

TEST QUESTIONS (10*2=20 MARKS)

1. If the power ratings are crossed, machine breakdown occurs?
   a)True
   b) False
2. What is one important criteria related to the power ratings of the machine?
   a)Heat should be prevented from generation
   b) Heat should be dissipated through power ventilation, irrespective of the time
   c) Heat should be prevented through power ventilation within a short time period
   d) Heat should be converted to some useful form
3. What is the concept of thermal loading?
   a) Output power is indirectly proportional to the temperature rise
   b) Output power is indirectly proportional to the square of temperature rise
   c) Output power is directly proportional to the temperature rise
   d) Output power is directly proportional to the square of temperature rise
4. What is the ideal condition for thermal dissipation?
   a) Heat generated > Heat Dissipated
   b) Heat generated < Heat Dissipated
   c) Heat generated = Heat Dissipated
   d) Heat generated = 0
5. What is the insulation material on the primary conductor?
   a) bakelized paper tube
   b) resin
   c) bakelized paper tube and resin
   d) bakelized paper tube or resin
6. What is the main cause for the failure of overhead line insulators?
   a) Surges
   b) Flashover
   c) Arching
   d) Grounding
7. How many commonly used shapes of current transformer are present?
   a) 1b) 2c) 3d) 4
8. How many steps are required in the design of the fan?
   a) 7
   b) 8
   c) 9
   d) 6
9. What material is made use of for the lamination in the current transformer?
   a) cold rolled steels
   b) hot rolled steels
   c) copper
   d) hot iron
10. The single layer windings have higher efficiency and quieter operation because of narrow slot openings?
    a) trueb) false

Rahul R

STUDENTS SIGNATURE

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PICHANUR, COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

HANDS ON TRAINING ON "MOTOR WINDING DESIGN"CERTIFICATE COURSE (ACADEMIC YEAR 2015-2016)

28/30

STUDENT NAME: P. Ramesh

DATE:

TEST QUESTIONS (10*2=20 MARKS)

1. If the power ratings are crossed, machine breakdown occurs?
   a) True
   b) False
2. What is one important criteria related to the power ratings of the machine?
   a) Heat should be prevented from generation
   b) Heat should be dissipated through power ventilation, irrespective of the time
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   c) bakelized paper tube and resin
   d) bakelized paper tube or resin
6. What is the main cause for the failure of overhead line insulators?
   a) Surges
   b) Flashover
   c) Arching
   d) Grounding
7. How many commonly used shapes of current transformer are present?
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8. How many steps are required in the design of the fan?
   a) 7
   b) 8
   c) 9
   d) 6
9. What material is made use of for the lamination in the current transformer?
   a) cold rolled steels
   b) hot rolled steels
   c) copper
   d) hot iron
10. The single layer windings have higher efficiency and quieter operation because of narrow slot openings?
    a) trueb) false

P. Ramesh.

STUDENTS SIGNATURE

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PICHANUR, COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

HANDS ON TRAINING ON "MOTOR WINDING DESIGN"CERTIFICATE COURSE (ACADEMIC YEAR 2015-2016)

STUDENT NAME: HEMA. R.

DATE:

30/30

TEST QUESTIONS (10*2=20 MARKS)

1. If the power ratings are crossed, machine breakdown occurs?
   a) True
   b) False
2. What is one important criteria related to the power ratings of the machine?
   a) Heat should be prevented from generation
   b) Heat should be dissipated through power ventilation, irrespective of the time
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   c) Heat generated = Heat Dissipated
   d) Heat generated = 0
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   c) bakelized paper tube and resin
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    a) trueb) false

STUDENTS SIGNATURE

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PICHANUR, COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

HANDS ON TRAINING ON "MOTOR WINDING DESIGN"CERTIFICATE COURSE TIME TABLE (ACADEMIC YEAR 2015-2016)

DATE	FN SESSION (9-10-12.30 PM)		AN SESSION (1.30 TO 4.30 PM)
14-12-2015	Inauguration of Certificate course	LUNCH (12.30PM TO 1.30 PM)	Familiarization of tools used for electrical repair works and personal protection equipments
15-12-2015	Heating Appliances		Dismantling of Electrical iron box, Mixer Grinder, Wet Grinder,
16-12-2015	Motorized Appliances		Assembling the accessories of ceiling fan, test the connections of winding & capacitor and run the fan with speed regulator
17-12-2015	Other Appliances		Dismantling of induction heater, identifying the parts, checking the conditions, assembling and testing
18-12-2015	Winding Shop		Practical experiment on induction motor
19-12-2015	General procedure for Rewinding Types of windings		Design a 1 phase 1 KVA ,230/15V core,shell type transformer and assemble the core. Design 3 phase 1 KVA transformer and assemble winding, core, etc.,
21-12-2015	A.C. Motor windings for Domestic Appliances		Design armature for 5 KWdc machine and insert one coil set. Design field pole for 5 KWdc machine and assemble one pole and insert in the body. Assemble the given dc machine
22-12-2015	A.C. Motor Winding : Types of windings		Design and assemble ceiling fan. Design and assemble a 3 HP induction motor.
23-12-2015	Design procedure for induction motor		Dismantle and assemble a 3 phase wound rotor induction motor.
24-12-2015	Design and assembled 1phasesalient pole 5KVA alternator		Valedictory function

Programme Coordinator

HOD-EEE

PRINCIPAL

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Hands on training in **"Motor Winding Design** "Course from 14-12-2015 to 18-12-2015

Marks

S.NO	REG NUMBER	NAME OF THE STUDENT	MARKS
1.	720914105001	ANIL KUMAR	30
2.	720914105002	ANOOP.A	30
3.	720914105003	ARUN.A.S	30
4.	720914105004	ARUN.K.M	30
5.	720914105005	BALA KRISHNA.R	28
6.	720914105006	DHANESH.B	26
7.	720914105007	FAIZEL.A.A	26
8.	720914105008	GOPAKUMAR.A.V	28
9.	720914105009	HEMA.R	30
10.	720914105010	JAMSHAD.T.K	30
11.	720914105011	KARTHICK RAJA.S	30
12.	720914105012	KRISHNA KUMAR.S	28
13.	720914105013	MIDHUN CHANDRAN	26
14.	720914105014	MUHAMMED ARSHAD ALI.T	30
15.	720914105015	RAHUL R	28
16.	720914105016	RAMESH P	30
17.	720914105017	JITHIN	26
18.	720914105018	RISHIKESH K	30
19.	720914105019	SALMANUL MEDAR CU	28

20.	720914105020	SANDEEP E D	30
21.	720913105002	ALTHAF P T	28
22.	720913105003	ANMARIA BABU T	30
23.	720913105004	ANURAJ K	28
24.	720913105005	AKHIL.S	28
25.	720913105008	DARSHAK R	30
26.	720913105009	DIVIN VINCENT	28
27.	720913105010	GIJO GEORGE	30
28.	720913105011	GOPINATH K S	28
29.	720913105012	KALAISELVAN R	30
30.	720913105013	KIRAN S	28
31.	720913105014	MOHAMED THOUFEEQ J	30
32.	720913105015	MOHAMMED ARSHAD K	30
33.	720913105016	MAGESH .S	30
34.	720913105018	MUVASSIR MOHAMED P	30
35.	720913105019	NABEEL PULLAT	28
36.	720913105020	NANDU S S	30
37.	720913105021	NOORMOIDU ABDULLA V	28
38.	720913105022	NOUSHAR M V	30
39.	720913105024	PRINCE A	28
40.	720913105025	PRIYADHARSINI S	30
41.	720913105026	RAJEEV P R	28

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Hands on training in **"Motor Winding Design** "Course

SYLLABUS

1. verify the magnetic laws using Coil, permanent magnet and Galvanometer.
2. Verify the rotating magnetic field with stator and ball.
3. Measure magnetic flux using flux meter.
4. Using Crawler test the windings.
5. Design a 1 phase 1 KVA ,230/15V core type transformer and assemble the core.
6. Design a 1 phase 1KVA, 230/15V shell type transformer and assemble the core.
7. Design 3 phase 1 KVA transformer and assemble winding, core, etc.,
8. Design 3 phase 1 KVA transformer (delta/star connected) and wind one coil set.
9. Design armature for 5 KWdc machine and insert one coil set.
10. Design field pole for 5 KWdc machine and assemble one pole and insert in the body.
11. Assemble the given dc machine (pole, inter pole, armature, commutator, brush etc).
12. . Design and assemble ceiling fan.
13. Design and assemble a 3 HP induction motor.
14. Design and assembled 3phase 3HP synchronous motor.
15. . Dismantle and assemble a 3 phase wound rotor induction motor.
16. . Design and assembled 1phasesalient pole 5KVA alternator

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JCT

JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 02-12-2015

Dear Students,

This is to inform you that 10 days course on **"Motor Winding Design"** organized by our department from 14-12-2015 to 24-12-2015 in the Electrical Machines Lab. All the students are instructed to attend and get benefited.

Circulation: 1.II Year EEE

2. III Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

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JCT

JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

TÜV AUSTRIA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Hands on training in "Motor winding design"

SYLLABUS CONTENT

1. Familiarization of tools used for electrical repair works and personal protection equipments.
2. Dismantling of Electrical iron box, identifying the parts, checking the conditions, assembling and testing.
3. Dismantling of Mixer Grinder, identifying the parts, checking the conditions, assembling and testing.
4. Dismantling of Wet Grinder, identifying the parts, checking the conditions, assembling and testing.
5. Assembling the accessories of ceiling fan, test the connections of winding & capacitor and run the fan with speed regulator
6. Connect the battery and inverter to supply partial load in a domestic wiring during mains failure.
7. Assembling and testing of 15 watts LED light.
8. Battery charging through solar panel. Connect solar panel to charge battery through charge controller.
9. Dismantling of induction heater, identifying the parts, checking the conditions, assembling and testing
10. Dismantling of microwave oven, identifying the parts, checking the conditions, assembling and testing.
11. By simple experiment, verify the magnetic laws using Coil, permanent magnet and Galvanometer.

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12. Verify the rotating magnetic field with stator and ball.
13. Measure magnetic flux using flux meter.
14. Using Crawler test the windings.
15. Design a 1 phase 1 KVA ,230/15V core type transformer and assemble the core.
16. Design a 1 phase 1KVA, 230/15V shell type transformer and assemble the core.
17. Design 3 phase 1 KVA transformer and assemble winding, core, etc
18.. Design 3 phase 1 KVA transformer (delta/star connected) and wind one coil set.
19.Design armature for 5 KWdc machine and insert one coil set.
20. Design field pole for 5 KWdc machine and assemble one pole and insert in the body
21.Assemble the given dc machine (pole, inter pole, armature, commutator, brush etc).
22. Design and assemble ceiling fan. 13. Design and assemble a 3 HP induction motor
23.. Design and assembled 3phase 3HP synchronous motor.
24. Dismantle and assemble a 3 phase wound rotor induction motor.
25. Design and assembled 1phasesalient pole 5KVA alternator.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TÜV AUSTRIA

Hands on training in **"Motor Winding Design** "Course from 14-12-2015 to 24-12-2015

NAME LIST &ATTENDANCE

S.NO	REG NUMBER	NAME OF THE STUDENT	Day 1	Day 2	Day 3	Day 4	Day 5
1.	720914105001	ANIL KUMAR	/	/	/	/	/
2.	720914105002	ANOOP.A	/	/	/	/	/
3.	720914105003	ARUN.A.S	/	/	/	/	/
4.	720914105004	ARUN.K.M	/	/	a	/	/
5.	720914105005	BALA KRISHNA.R	/	/	/	/	/
6.	720914105006	DHANESH.B	/	/	/	/	/
7.	720914105007	FAIZEL.A.A	/	/	/	/	a
8.	720914105008	GOPAKUMAR.A.V	/	/	/	/	/
9.	720914105009	HEMA.R	/	/	/	/	/
10.	720914105010	JAMSHAD.T.K	/	/	a	/	/
11.	720914105011	KARTHICK RAJA.S	/	/	/	/	/
12.	720914105012	KRISHNA KUMAR.S	/	/	/	/	/
13.	720914105013	MIDHUN CHANDRAN	/	/	/	/	/
14.	720914105014	MUHAMMED ARSHAD ALI.T	/	/	/	/	/
15.	720914105015	RAHUL R	/	/	/	/	/
16.	720914105016	RAMESH P	/	/	/	/	/
17.	720914105017	REKSY. R.K	/	/	a	/	/
18.	720914105018	RISHIKESH K	/	/	/	/	/

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19.	720914105019	SALMANUL MEDAR CU	/	/	/	/	a
20.	720914105020	SANDEEP E D	/	a	/	/	/
21.	720913105002	ALTHAF P T	/	/	/	/	/
22.	720913105003	ANMARIA BABU T	/	/	/	/	/
23.	720913105004	ANURAJ K	/	/	/	/	/
24.	720913105005	ARAVIND M K	/	/	/	/	/
25.	720913105008	DARSHAK R	/	/	a	/	/
26.	720913105009	DIVIN VINCENT	/	/	/	/	/
27.	720913105010	GIJO GEORGE	/	/	/	/	/
28.	720913105011	GOPINATH K S	/	/	/	a	/
29.	720913105012	KALAISELVAN R	/	/	/	/	/
30.	720913105013	KIRAN S	/	/	/	/	/
31.	720913105014	MOHAMED THOUFEEQ J	/	/	/	/	/
32.	720913105015	MOHAMMED ARSHAD K	/	/	/	/	/
33.	720913105016	MOHAMMED SHAHEER P P	/	/	a	/	/
34.	720913105018	MUVASSIR MOHAMED P	/	/	/	/	/
35.	720913105019	NABEEL PULLAT	/	/	/	/	/
36.	720913105020	NANDU S S	/	/	/	/	/
37.	720913105021	NOORMOIDU ABDULLA V	/	a	/	/	/
38.	720913105022	NOUSHAR M V	/	/	/	/	/
39.	720913105024	PRINCE A	/	/	/	/	/
40.	720913105025	PRIYADHARSINI S	/	/	a	/	/
41.	720913105026	RAJEEV P R	/	/	/	/	/

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Hands on training in **"Motor Winding Design** "Course from 14-12-2015 to 24-12-2015

NAME LIST &ATTENDANCE

S.NO	REG NUMBER	NAME OF THE STUDENT	Day 6	Day 7	Day 8	Day 9	Day 10
1.	720914105001	ANIL KUMAR	/	/	/	/	/
2.	720914105002	ANOOP.A	/	/	/	/	a
3.	720914105003	ARUN.A.S	/	/	/	/	/
4.	720914105004	ARUN.K.M	/	/	/	/	/
5.	720914105005	BALA KRISHNA.R	/	/	/	/	/
6.	720914105006	DHANESH.B	/	a	/	/	/
7.	720914105007	FAIZEL.A.A	/	/	/	/	a
8.	720914105008	GOPAKUMAR.A.V	/	/	/	/	/
9.	720914105009	HEMA.R	/	/	/	/	/
10.	720914105010	JAMSHAD.T.K	/	a	/	/	/
11.	720914105011	KARTHICK RAJA.S	/	/	/	/	a
12.	720914105012	KRISHNA KUMAR.S	/	/	/	/	/
13.	720914105013	MIDHUN CHANDRAN	/	/	/	/	/
14.	720914105014	MUHAMMED ARSHAD ALI.T	/	a	/	/	/
15.	720914105015	RAHUL R	/	/	/	/	/
16.	720914105016	RAMESH P	/	/	/	/	/
17.	720914105017	REKSY. R.K	/	/	/	a	/
18.	720914105018	RISHIKESH K	/	/	/	/	/
19.	720914105019	SALMANUL MEDAR CU	/	/	/	/	/
20.	720914105020	SANDEEP E D	a	/	/	/	/
21.	720913105002	ALTHAF P T	/	/	/	/	/

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22.	720913105003	ANMARIA BABU T	/	/	/	/	/
23.	720913105004	ANURAJ K	/	/	/	/	a
24.	720913105005	ARAVIND M K	/	/	/	/	/
25.	720913105008	DARSHAK R	/	/	/	/	/
26.	720913105009	DIVIN VINCENT	/	a	/	/	/
27.	720913105010	GIJO GEORGE	/	/	/	/	a
28.	720913105011	GOPINATH K S	/	/	/	/	/
29.	720913105012	KALAISELVAN R	/	/	/	/	/
30.	720913105013	KIRAN S	/	/	a	/	/
31.	720913105014	MOHAMED THOUFEEQ J	/	/	/	/	/
32.	720913105015	MOHAMMED ARSHAD K	/	/	/	/	/
33.	720913105016	MOHAMMED SHAHEER P P	/	/	/	/	/
34.	720913105018	MUVASSIR MOHAMED P	/	/	/	/	/
35.	720913105019	NABEEL PULLAT	/	/	/	/	/
36.	720913105020	NANDU S S	/	/	/	/	/
37.	720913105021	NOORMOIDU ABDULLA V	a	/	/	/	a
38.	720913105022	NOUSHAR M V	/	/	/	/	/
39.	720913105024	PRINCE A	/	/	/	/	/
40.	720913105025	PRIYADHARSINI S	/	/	/	/	a
41.	720913105026	RAJEEV P R	/	/	/	/	/

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Mega Tech Scientific Instruments

Door No. 9, Gandhi Nagar, I[st] Cross, Kattabomman Street,
Ganapathy, Coimbatore - 641 006.
Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226
E-mail : megascientific@gmail.com

TRAINING COURSE CERTIFICATE

This is to certify that **ANIL KUMAR** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

Authorized Signatory

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Mega Tech Scientific Instruments

Door No. 9, Gandhi Nagar, I[st] Cross, Kattabomman Street,
Ganapathy, Coimbatore - 641 006.
Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226
E-mail : megascientific@gmail.com

TRAINING COURSE CERTIFICATE

This is to certify that **ANOOP.A** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

Authorized Signatory

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Mega Tech Scientific Instruments

Door No. 9, Gandhi Nagar, I[st] Cross, Kattabomman Street
Ganapathy, Coimbatore - 641 006.
Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226
E-mail : megascientific@gmail.com

TRAINING COURSE CERTIFICATE

This is to certify that **ANIL KUMAR** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

Authorized Signatory

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	V. Angappa
Topic Name	:	Motor Winding and Technology
Name of the Industry/Training Institute	:	Mega Tech Scientific Instruments
Date	:	24-12-2015

1.Did you find the course useful?

- ○ Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- ○ No

3.Did you find the Activity useful?

- ✓ Very much
- ○ Not that much
- ○ Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ○ 10
- ○ 9
- ✓ 8
- ○ Below 8

5. Knowledge about Concern Topic

- ○ Excellent
- ✓ Very good
- ○ Good

Signature of the Student

KIRAN.S

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	V. Angappa
Topic Name	:	Motor Winding and technology
Name of the Industry/Training Institute	:	Mega Tech Scientific Instruments
Date	:	24-12-2015

1.Did you find the course useful?

- Very Useful
- Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- Little
- No

3.Did you find the Activity useful?

- Very much
- Not that much
- Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- 10
- 9
- 8
- Below 8

5. Knowledge about Concern Topic

- Excellent
- Very good
- Good

Signature of the Student

HEMA.R

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JCT

JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 20-01-2016

Dear Students,

This is to inform you that seven days course on **"Hands on Training in Embedded System"** is organized by our department on 23-01-2016,30-01-2016, 06-02-2016,13-02-2016,20-02-2016,27-02-2016 and 05-03-2016 in the Computer Lab-3. The chief guest Mr.Manikanda Murali, BETA Technologies, Coimbatore will grant the training. All the students are instructed to attend and get benefited.

Circulation: 1.III Year EEE

2. IV Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

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EMBEDDED SYSTEM

SUBJECT CODE: 16BTE004

COURSE DESCRIPTION:

- This course offers a uniquely concise and practical guide to getting up and running with the PIC Microcontroller.
- The PIC is one of the most popular of the microcontrollers that are transforming electronic project work and product design, and this course is the ideal introduction for students, teachers, IT professionals, engineering graduates, technicians and diploma holders.
- Assuming no prior knowledge of microcontrollers and introducing the PIC Microcontroller's capabilities through simple projects, this course is ideal for the students working on their final year projects.
- The step-by-step explanations and the useful projects make it ideal for student and pupil self-study, this is not just an introductory course - you start work with the PIC microcontroller straight away.

COURSE OBJECTIVES:

- RISC architecture
- Students will get hands-on training in PIC controller
- They will come to know about interrupts
- Wide range of interfaces including LCD, KEYPAD, I^2C, SPI, USART, A/D, PWM and 7-segment display
- They can be programmed to be timers or to control a production line and much more.
- They will learn about memory organizations
- Innovative application concepts

COURSE LEARNING OUTCOMES:

- Demonstrate the ability to design, troubleshoot, and simulate assembly and C language programs.
- Demonstrate the ability to perform logic and timing simulations using a development system.
- Demonstrate an understanding of controlling circuits and systems interfaced to a development board.

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SYLLABUS

Unit 1: Basic Concepts of Embedded system

Embedded system: Introduction –Applications – Development tools - Processor: Definition of processor-function of processor-Application –Controller: Definition of 8051 controller- Feature of 8051- Application of 8051- PIC: Introduction of PIC Controller – Features of PIC - pin description -I/O description–TRIS register- PORT register- Status Register – Programming in input/output configuration.

Unit 2: Interfacing Devices

7-segment display: Introduction – Common anode and common cathode configuration – Programming in 7-segment - LCD: (16*2) Introduction – LCD command description– programming in 8-bit mode - Analog to digital conversion: Introduction-Control Register – Operation – Programming in A/D Conversion -Keypad: Introduction - Configuration.

Unit 3: Memory Organization &interrupts

Memory – Introduction – Memory types - Memory Organization: Program memory Organization – Data memory - EEPROM: Introduction- Control Register – EEADR-EECON1 and EECON2 register- Read EEPROM Data memory- Writing EEPROM Data memory - Interrupt: Introduction-Control Register-INT and External Interrupt - Initialization.

Unit 4: Timers

TIMER0- Control register- Operation-TMR0 Interrupt- TMR0 prescalar- TIMER1-Control Register- Resetting of Timer1 register pair (TMR1H:TMR1L)- TIMER2-Control Registers -PWM mode: Introduction - Initialization.

Unit 5: Communication Protocol

USART: Introduction- Control Register- USART Baud Rate Generator (BRG) - USART Asynchronous mode- Synchronous mode- initialization- Synchronous serial port: Introduction- Control register- SPI mode - I2C operation - Initialization.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

TÜV AUSTRIA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on "Hands on Training on Embedded System" on JAN16(23,30,) FEB16(6.13.20.27.) AND MARCH16(5)

NAME LIST &ATTENDANCE

S.N	Reg.No	Name of the Student	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	720913105001	AFSAL B							
2	720913105002	ALTHAF P T							
3	720913105003	ANMARIA BABU T							
4	720913105004	ANURAJ K							
5	720913105005	ARAVIND M K							
6	720913105006	ATHIS REHMAN K R							
7	720913105007	CHANDRAJITH A U							
8	720913105008	DARSHAK R							
9	720913105009	DIVIN VINCENT			a				
10	720913105010	GIJO GEORGE							
11	720913105011	GOPINATH K S							
12	720913105012	KALAISELVAN R							
13	720913105013	KIRAN S							
14	720913105014	MOHAMED THOUFEEQ J							
15	720913105015	MOHAMMED ARSHAD K							
16	720913105016	MOHAMMED SHAHEER P				a			
17	720913105018	MUVASSIR MOHAMED P							
18	720913105019	NABEEL PULLAT							
19	720913105020	NANDU S S							
20	720913105021	NOORMOIDU ABDULLA V							
21	720913105022	NOUSHAR M V							
22	720913105024	PRINCE A		a					
23	720913105025	PRIYADHARSINI S							
24	720913105026	RAJEEV P R							
25	720913105027	ROHITH K V							
26	720913105028	ROHITH P R							
27	720913105029	ROHITH R							
28	720913105030	SAJO THOMAS							

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S.N	Reg.No	Name of the Student	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
29	720912105001	ABIJITH R							
30	720912105002	AJOY T							
31	720912105004	ANSAF A MALIK							
32	720912105005	ANUGRAH M							
33	720912105006	ARAVINTH GANESH.R							
34	720912105007	ARUN VIKAS							
35	720912105008	DIVYA P							
36	720912105009	GOKUL G							
37	720912105010	IRSHAD M							
38	720912105012	MANINARAN.M							
39	720912105013	MANOJ R							
40	720912105014	NISHAD N							
41	720912105016	RAHUL R							
42	720912105017	RAKESH R							
43	720912105018	REVATHI V				a			
44	720912105019	RIJINDAS PK							
45	720912105020	SAJI S							
46	720912105023	SHAFEEK.S							
47	720912105024	SHAMEER.A							
48	720912105025	SHIBILIY RAHIMAN.V							
49	720912105026	SREERAJ NAIR.K							
50	720912105027	STEJO GEORGE							
51	720912105028	SUDHEESH S							

HOD-EEE

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JCT

BETA TECHNOLOGIES
School of Electronics

CERTIFICATE

This is to certify that **AFSAL B** has successfully completed 7 days training program on **"Hands on Training in Embedded System"** held on 23-01-2016,30-01-2016,06-02-2016, 13-02-2016,20-02-2016 , 27-02-2016 and 05-03-2016 at **JCT College of Engineering &Technology**, Coimbatore", organized by **Department of Electrical and Electronics Engineering** and conducted by **Beta Technologies Pvt.Ltd, Coimbatore**.

Training &Head

Beta Technologies ,Coimbatore-641012

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JCT

BETA TECHNOLOGIES
School of Electronics...

CERTIFICATE

This is to certify that **ALTHAF P T** has successfully completed 7 days training program on **"Hands on Training in Embedded System"** held on 23-01-2016,30-01-2016,06-02-2016, 13-02-2016,20-02-2016 , 27-02-2016 and 05-03-2016 at **JCT College of Engineering &Technology**, Coimbatore", organized by **Department of Electrical and Electronics Engineering** and conducted by **Beta Technologies Pvt.Ltd, Coimbatore**.

Training &Head

Beta Technologies ,Coimbatore-641012

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	Dhiya P Mr. Manikanda Murali
Topic Name	:	Hands on training in embedded system
Name of the Industry/Training Institute	:	Beta technologies Pvt. Ltd. Coimbatore.
Date	:	05-03-2016

1.Did you find the course useful?

- ✓ Very Useful
- o Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- o No

3.Did you find the Activity useful?

- ✓ Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- o 10
- ✓ 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- ✓ Very good
- o Good

Dhiya. P

Signature of the Student

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	~~Saji S~~ Mr. M.Manikanda Murali
Topic Name	:	Hands on training in Embedded System
Name of the Industry/Training Institute	:	Beta Technologies Pvt. Ltd. Coimbatore.
Date	:	05-03-2016

1.Did you find the course useful?

- ✓ Very Useful
- ○ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- ○ No

3.Did you find the Activity useful?

- ✓ Very much
- ○ Not that much
- ○ Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ○ 10
- ✓ 9
- ○ 8
- ○ Below 8

5. Knowledge about Concern Topic

- ○ Excellent
- ✓ Very good
- ○ Good

Saji. J

Signature of the Student

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Mega Tech
Scientific Instruments

TRAINING COURSE CERTIFICATE

This is to certify that **ANIL KUMAR** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

70, Rajunaidu Street, Sivanandha Colony, Coimbatore - 641 012.
Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226 E-mail : megascientific@gmail.com

Mega Tech
Scientific Instruments

TRAINING COURSE CERTIFICATE

This is to certify that **ANOOP.A** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

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Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226 E-mail : megascientific@gmail.com

Mega Tech
Scientific Instruments

TRAINING COURSE CERTIFICATE

This is to certify that **ARUN.A.S** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

PRINCIPAL
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70, Rajunaidu Street, Sivanandha Colony, Coimbatore - 641 012.
Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226 E-mail : megascientific@gmail.com

Mega Tech
Scientific Instruments

TRAINING COURSE CERTIFICATE

This is to certify that **ARUN.K.M** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

PRINCIPAL
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Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226 E-mail : megascientific@gmail.com

Mega Tech
Scientific Instruments

TRAINING COURSE CERTIFICATE

This is to certify that **DHANESH.B** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

70, Rajunaidu Street, Sivanandha Colony, Coimbatore - 641 012.
Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226 E-mail : megascientific@gmail.com

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015

Resource Person Details

Name of the Resource Person	**V.ANGAPPA**
Designation	OWNER
Nationality	INDIAN
Experience & About	30 years in service
Company Name & Address	70, Raju Naidu Road, Sivanandha Colony, Raju Naidu Road, Coimbatore, Tamil Nadu 641012
Telephone No.	0422 421 2226
Fax No.	0422 421 2226
E-mail Id.	NIL
Other details if any	Experienced Owner with a demonstrated history of working in the electrical and electronic manufacturing industry. Skilled in Electronic Test and measurements,process control systems, Engineering Management, Power Electronics & drives ,Special Electrical machines, Control Systems,SDR based system design,Digital and Analog communication Embedded Systems, and PLC. LED luminaries and driver's.
Website	Nil

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PRINCIPAL

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE ON EMBEDDED SYSTEM TIME TABLE (ACADEMIC YEAR 2015-2016)

S.N	DATE	FN SESSION (9-10-12.30 PM)		AN SESSION (1.30 TO 4.30 PM)
1	15-02-2016	Real time application and scope in Embedded system		Introduction Overview of embedded systems
2	17-02-2016	Embedded microcontroller cores, embedded memories		Examples of embedded systems. Architecture for embedded system.
3	18-02-2016	Introduction to Cortex-M3 Processor A Brief History, Architecture Versions, Different MCU architectures vs ARM, ARM Processor Families	**LUNCH (12.30PM TO 1.30 PM)**	Cortex-M3Programming A Typical Development Flow, Development Tools – C Compilers and Debuggers, Embedded OS Support, Embedded C Programming using Keil MDK-ARM Cortex
4	19-02-2016	Areas of standardization, Organization and using CMSIS, Overview of NxP's LPC1768, Memory map,		Understanding different functional blocks and their Applications in LPC 1768 - System Control, Clocking and Power Control, Timers, WDT, RTC, ADC, I2C, SPI
5	22-02-2016	Cortex-M3MicrocontrollersProgramming and Development Pin Connect block, GPIO Programming		Configuring GPIOs for External Interrupts
6	23-02-2016	Understanding UART and its Applications, Configuration for Serial Communication		Applications

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JCT

JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 02-12-2015

Dear Students,

This is to inform you that 10 days course on **"Motor Winding Design"** organized by our department from 14-12-2015 to 24-12-2015 in the Electrical Machines Lab. All the students are instructed to attend and get benefited.

Circulation: 1.II Year EEE

2. III Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

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JCT

JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

TÜV AUSTRIA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Hands on training in "Motor winding design"

SYLLABUS CONTENT

1. Familiarization of tools used for electrical repair works and personal protection equipments.
2. Dismantling of Electrical iron box, identifying the parts, checking the conditions, assembling and testing.
3. Dismantling of Mixer Grinder, identifying the parts, checking the conditions, assembling and testing.
4. Dismantling of Wet Grinder, identifying the parts, checking the conditions, assembling and testing.
5. Assembling the accessories of ceiling fan, test the connections of winding & capacitor and run the fan with speed regulator
6. Connect the battery and inverter to supply partial load in a domestic wiring during mains failure.
7. Assembling and testing of 15 watts LED light.
8. Battery charging through solar panel. Connect solar panel to charge battery through charge controller.
9. Dismantling of induction heater, identifying the parts, checking the conditions, assembling and testing
10. Dismantling of microwave oven, identifying the parts, checking the conditions, assembling and testing.
11. By simple experiment, verify the magnetic laws using Coil, permanent magnet and Galvanometer.

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12. Verify the rotating magnetic field with stator and ball.
13. Measure magnetic flux using flux meter.
14. Using Crawler test the windings.
15. Design a 1 phase 1 KVA ,230/15V core type transformer and assemble the core.
16. Design a 1 phase 1KVA, 230/15V shell type transformer and assemble the core.
17. Design 3 phase 1 KVA transformer and assemble winding, core, etc
18.. Design 3 phase 1 KVA transformer (delta/star connected) and wind one coil set.
19.Design armature for 5 KWdc machine and insert one coil set.
20. Design field pole for 5 KWdc machine and assemble one pole and insert in the body
21.Assemble the given dc machine (pole, inter pole, armature, commutator, brush etc).
22. Design and assemble ceiling fan. 13. Design and assemble a 3 HP induction motor
23.. Design and assembled 3phase 3HP synchronous motor.
24. Dismantle and assemble a 3 phase wound rotor induction motor.
25. Design and assembled 1phasesalient pole 5KVA alternator.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TÜV AUSTRIA

Hands on training in **"Motor Winding Design** "Course from 14-12-2015 to 24-12-2015

NAME LIST &ATTENDANCE

S.NO	REG NUMBER	NAME OF THE STUDENT	Day 1	Day 2	Day 3	Day 4	Day 5
1.	720914105001	ANIL KUMAR	/	/	/	/	/
2.	720914105002	ANOOP.A	/	/	/	/	/
3.	720914105003	ARUN.A.S	/	/	/	/	/
4.	720914105004	ARUN.K.M	/	/	a	/	/
5.	720914105005	BALA KRISHNA.R	/	/	/	/	/
6.	720914105006	DHANESH.B	/	/	/	/	/
7.	720914105007	FAIZEL.A.A	/	/	/	/	a
8.	720914105008	GOPAKUMAR.A.V	/	/	/	/	/
9.	720914105009	HEMA.R	/	/	/	/	/
10.	720914105010	JAMSHAD.T.K	/	/	a	/	/
11.	720914105011	KARTHICK RAJA.S	/	/	/	/	/
12.	720914105012	KRISHNA KUMAR.S	/	/	/	/	/
13.	720914105013	MIDHUN CHANDRAN	/	/	/	/	/
14.	720914105014	MUHAMMED ARSHAD ALI.T	/	/	/	/	/
15.	720914105015	RAHUL R	/	/	/	/	/
16.	720914105016	RAMESH P	/	/	/	/	/
17.	720914105017	REKSY. R.K	/	/	a	/	/
18.	720914105018	RISHIKESH K	/	/	/	/	/

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19.	720914105019	SALMANUL MEDAR CU	/	/	/	/	a
20.	720914105020	SANDEEP E D	/	a	/	/	/
21.	720913105002	ALTHAF P T	/	/	/	/	/
22.	720913105003	ANMARIA BABU T	/	/	/	/	/
23.	720913105004	ANURAJ K	/	/	/	/	/
24.	720913105005	ARAVIND M K	/	/	/	/	/
25.	720913105008	DARSHAK R	/	/	a	/	/
26.	720913105009	DIVIN VINCENT	/	/	/	/	/
27.	720913105010	GIJO GEORGE	/	/	/	/	/
28.	720913105011	GOPINATH K S	/	/	/	a	/
29.	720913105012	KALAISELVAN R	/	/	/	/	/
30.	720913105013	KIRAN S	/	/	/	/	/
31.	720913105014	MOHAMED THOUFEEQ J	/	/	/	/	/
32.	720913105015	MOHAMMED ARSHAD K	/	/	/	/	/
33.	720913105016	MOHAMMED SHAHEER P P	/	/	a	/	/
34.	720913105018	MUVASSIR MOHAMED P	/	/	/	/	/
35.	720913105019	NABEEL PULLAT	/	/	/	/	/
36.	720913105020	NANDU S S	/	/	/	/	/
37.	720913105021	NOORMOIDU ABDULLA V	/	a	/	/	/
38.	720913105022	NOUSHAR M V	/	/	/	/	/
39.	720913105024	PRINCE A	/	/	/	/	/
40.	720913105025	PRIYADHARSINI S	/	/	a	/	/
41.	720913105026	RAJEEV P R	/	/	/	/	/

HOD-EEE

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Hands on training in **"Motor Winding Design** "Course from 14-12-2015 to 24-12-2015

NAME LIST &ATTENDANCE

S.NO	REG NUMBER	NAME OF THE STUDENT	Day 6	Day 7	Day 8	Day 9	Day 10
1.	720914105001	ANIL KUMAR	/	/	/	/	/
2.	720914105002	ANOOP.A	/	/	/	/	a
3.	720914105003	ARUN.A.S	/	/	/	/	/
4.	720914105004	ARUN.K.M	/	/	/	/	/
5.	720914105005	BALA KRISHNA.R	/	/	/	/	/
6.	720914105006	DHANESH.B	/	a	/	/	/
7.	720914105007	FAIZEL.A.A	/	/	/	/	a
8.	720914105008	GOPAKUMAR.A.V	/	/	/	/	/
9.	720914105009	HEMA.R	/	/	/	/	/
10.	720914105010	JAMSHAD.T.K	/	a	/	/	/
11.	720914105011	KARTHICK RAJA.S	/	/	/	/	a
12.	720914105012	KRISHNA KUMAR.S	/	/	/	/	/
13.	720914105013	MIDHUN CHANDRAN	/	/	/	/	/
14.	720914105014	MUHAMMED ARSHAD ALI.T	/	a	/	/	/
15.	720914105015	RAHUL R	/	/	/	/	/
16.	720914105016	RAMESH P	/	/	/	/	/
17.	720914105017	REKSY. R.K	/	/	/	a	/
18.	720914105018	RISHIKESH K	/	/	/	/	/
19.	720914105019	SALMANUL MEDAR CU	/	/	/	/	/
20.	720914105020	SANDEEP E D	a	/	/	/	/
21.	720913105002	ALTHAF P T	/	/	/	/	/

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22.	720913105003	ANMARIA BABU T	/	/	/	/	/
23.	720913105004	ANURAJ K	/	/	/	/	a
24.	720913105005	ARAVIND M K	/	/	/	/	/
25.	720913105008	DARSHAK R	/	/	/	/	/
26.	720913105009	DIVIN VINCENT	/	a	/	/	/
27.	720913105010	GIJO GEORGE	/	/	/	/	a
28.	720913105011	GOPINATH K S	/	/	/	/	/
29.	720913105012	KALAISELVAN R	/	/	/	/	/
30.	720913105013	KIRAN S	/	/	a	/	/
31.	720913105014	MOHAMED THOUFEEQ J	/	/	/	/	/
32.	720913105015	MOHAMMED ARSHAD K	/	/	/	/	/
33.	720913105016	MOHAMMED SHAHEER P P	/	/	/	/	/
34.	720913105018	MUVASSIR MOHAMED P	/	/	/	/	/
35.	720913105019	NABEEL PULLAT	/	/	/	/	/
36.	720913105020	NANDU S S	/	/	/	/	/
37.	720913105021	NOORMOIDU ABDULLA V	a	/	/	/	a
38.	720913105022	NOUSHAR M V	/	/	/	/	/
39.	720913105024	PRINCE A	/	/	/	/	/
40.	720913105025	PRIYADHARSINI S	/	/	/	/	a
41.	720913105026	RAJEEV P R	/	/	/	/	/

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Mega Tech Scientific Instruments

Door No. 9, Gandhi Nagar, I[st] Cross, Kattabomman Street,
Ganapathy, Coimbatore - 641 006.
Cell : 98422 85000, 98428 85000 Phone : 0422 - 4212226
E-mail : megascientific@gmail.com

TRAINING COURSE CERTIFICATE

This is to certify that **ANIL KUMAR** has successfully completed Hands on training in **"Motor Winding Design** "Course held at **JCT College of Engineering and Technology, Coimbatore** from 14-12-2015 to 24-12-2015 conducted by **Mega Tech Scientific Instruments ,Coimbatore**

For Mega Tech Scientific Instruments

Authorized Signatory

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Mega Tech Scientific Instruments

Door No. 9, Gandhi Nagar, I[st] Cross, Kattabomman Street,
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For Mega Tech Scientific Instruments

Authorized Signatory

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For Mega Tech Scientific Instruments

Authorized Signatory

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	V. Angappa
Topic Name	:	Motor Winding and Technology
Name of the Industry/Training Institute	:	Mega Tech Scientific Instruments
Date	:	24-12-2015

1.Did you find the course useful?

- ○ Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- ○ No

3.Did you find the Activity useful?

- ✓ Very much
- ○ Not that much
- ○ Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ○ 10
- ○ 9
- ✓ 8
- ○ Below 8

5. Knowledge about Concern Topic

- ○ Excellent
- ✓ Very good
- ○ Good

Signature of the Student

KIRAN.S

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	V. Angappa
Topic Name	:	Motor Winding and technology
Name of the Industry/Training Institute	:	Mega Tech Scientific Instruments
Date	:	24-12-2015

1.Did you find the course useful?

- Very Useful
- Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- Little
- No

3.Did you find the Activity useful?

- Very much
- Not that much
- Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- 10
- 9
- 8
- Below 8

5. Knowledge about Concern Topic

- Excellent
- Very good
- Good

Signature of the Student

HEMA.R

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JCT

JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 20-01-2016

Dear Students,

This is to inform you that seven days course on **"Hands on Training in Embedded System"** is organized by our department on 23-01-2016,30-01-2016, 06-02-2016,13-02-2016,20-02-2016,27-02-2016 and 05-03-2016 in the Computer Lab-3. The chief guest Mr.Manikanda Murali, BETA Technologies, Coimbatore will grant the training. All the students are instructed to attend and get benefited.

Circulation: 1.III Year EEE

2. IV Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

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EMBEDDED SYSTEM

SUBJECT CODE: 16BTE004

COURSE DESCRIPTION:

- This course offers a uniquely concise and practical guide to getting up and running with the PIC Microcontroller.
- The PIC is one of the most popular of the microcontrollers that are transforming electronic project work and product design, and this course is the ideal introduction for students, teachers, IT professionals, engineering graduates, technicians and diploma holders.
- Assuming no prior knowledge of microcontrollers and introducing the PIC Microcontroller's capabilities through simple projects, this course is ideal for the students working on their final year projects.
- The step-by-step explanations and the useful projects make it ideal for student and pupil self-study, this is not just an introductory course - you start work with the PIC microcontroller straight away.

COURSE OBJECTIVES:

- RISC architecture
- Students will get hands-on training in PIC controller
- They will come to know about interrupts
- Wide range of interfaces including LCD, KEYPAD, I^2C, SPI, USART, A/D, PWM and 7-segment display
- They can be programmed to be timers or to control a production line and much more.
- They will learn about memory organizations
- Innovative application concepts

COURSE LEARNING OUTCOMES:

- Demonstrate the ability to design, troubleshoot, and simulate assembly and C language programs.
- Demonstrate the ability to perform logic and timing simulations using a development system.
- Demonstrate an understanding of controlling circuits and systems interfaced to a development board.

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SYLLABUS

Unit 1: Basic Concepts of Embedded system

Embedded system: Introduction –Applications – Development tools - Processor: Definition of processor-function of processor-Application –Controller: Definition of 8051 controller- Feature of 8051- Application of 8051- PIC: Introduction of PIC Controller – Features of PIC - pin description -I/O description–TRIS register- PORT register- Status Register – Programming in input/output configuration.

Unit 2: Interfacing Devices

7-segment display: Introduction – Common anode and common cathode configuration – Programming in 7-segment - LCD: (16*2) Introduction – LCD command description– programming in 8-bit mode - Analog to digital conversion: Introduction-Control Register – Operation – Programming in A/D Conversion -Keypad: Introduction - Configuration.

Unit 3: Memory Organization &interrupts

Memory – Introduction – Memory types - Memory Organization: Program memory Organization – Data memory - EEPROM: Introduction- Control Register – EEADR-EECON1 and EECON2 register- Read EEPROM Data memory- Writing EEPROM Data memory - Interrupt: Introduction-Control Register-INT and External Interrupt - Initialization.

Unit 4: Timers

TIMER0- Control register- Operation-TMR0 Interrupt- TMR0 prescalar- TIMER1-Control Register- Resetting of Timer1 register pair (TMR1H:TMR1L)- TIMER2-Control Registers -PWM mode: Introduction - Initialization.

Unit 5: Communication Protocol

USART: Introduction- Control Register- USART Baud Rate Generator (BRG) - USART Asynchronous mode- Synchronous mode- initialization- Synchronous serial port: Introduction- Control register- SPI mode - I2C operation - Initialization.

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PICHANUR, COIMBATORE - 641105

TÜV AUSTRIA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on "Hands on Training on Embedded System" on JAN16(23,30,) FEB16(6.13.20.27.) AND MARCH16(5)

NAME LIST &ATTENDANCE

S.N	Reg.No	Name of the Student	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	720913105001	AFSAL B							
2	720913105002	ALTHAF P T							
3	720913105003	ANMARIA BABU T							
4	720913105004	ANURAJ K							
5	720913105005	ARAVIND M K							
6	720913105006	ATHIS REHMAN K R							
7	720913105007	CHANDRAJITH A U							
8	720913105008	DARSHAK R							
9	720913105009	DIVIN VINCENT			a				
10	720913105010	GIJO GEORGE							
11	720913105011	GOPINATH K S							
12	720913105012	KALAISELVAN R							
13	720913105013	KIRAN S							
14	720913105014	MOHAMED THOUFEEQ J							
15	720913105015	MOHAMMED ARSHAD K							
16	720913105016	MOHAMMED SHAHEER P				a			
17	720913105018	MUVASSIR MOHAMED P							
18	720913105019	NABEEL PULLAT							
19	720913105020	NANDU S S							
20	720913105021	NOORMOIDU ABDULLA V							
21	720913105022	NOUSHAR M V							
22	720913105024	PRINCE A		a					
23	720913105025	PRIYADHARSINI S							
24	720913105026	RAJEEV P R							
25	720913105027	ROHITH K V							
26	720913105028	ROHITH P R							
27	720913105029	ROHITH R							
28	720913105030	SAJO THOMAS							

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S.N	Reg.No	Name of the Student	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
29	720912105001	ABIJITH R							
30	720912105002	AJOY T							
31	720912105004	ANSAF A MALIK							
32	720912105005	ANUGRAH M							
33	720912105006	ARAVINTH GANESH.R							
34	720912105007	ARUN VIKAS							
35	720912105008	DIVYA P							
36	720912105009	GOKUL G							
37	720912105010	IRSHAD M							
38	720912105012	MANINARAN.M							
39	720912105013	MANOJ R							
40	720912105014	NISHAD N							
41	720912105016	RAHUL R							
42	720912105017	RAKESH R							
43	720912105018	REVATHI V				a			
44	720912105019	RIJINDAS PK							
45	720912105020	SAJI S							
46	720912105023	SHAFEEK.S							
47	720912105024	SHAMEER.A							
48	720912105025	SHIBILIY RAHIMAN.V							
49	720912105026	SREERAJ NAIR.K							
50	720912105027	STEJO GEORGE							
51	720912105028	SUDHEESH S							

HOD-EEE

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BETA TECHNOLOGIES
School of Electronics

CERTIFICATE

This is to certify that **AFSAL B** has successfully completed 7 days training program on **"Hands on Training in Embedded System"** held on 23-01-2016,30-01-2016,06-02-2016, 13-02-2016,20-02-2016 , 27-02-2016 and 05-03-2016 at **JCT College of Engineering &Technology**, Coimbatore", organized by **Department of Electrical and Electronics Engineering** and conducted by **Beta Technologies Pvt.Ltd, Coimbatore**.

Training &Head

Beta Technologies ,Coimbatore-641012

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BETA TECHNOLOGIES
School of Electronics...

CERTIFICATE

This is to certify that **ALTHAF P T** has successfully completed 7 days training program on **"Hands on Training in Embedded System"** held on 23-01-2016,30-01-2016,06-02-2016, 13-02-2016,20-02-2016 , 27-02-2016 and 05-03-2016 at **JCT College of Engineering &Technology**, Coimbatore", organized by **Department of Electrical and Electronics Engineering** and conducted by **Beta Technologies Pvt.Ltd, Coimbatore**.

Training &Head

Beta Technologies ,Coimbatore-641012

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	Dhiya P Mr. Manikanda Murali
Topic Name	:	Hands on training in embedded system
Name of the Industry/Training Institute	:	Beta technologies Pvt. Ltd. Coimbatore.
Date	:	05-03-2016

1.Did you find the course useful?

- ✓ Very Useful
- o Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- o No

3.Did you find the Activity useful?

- ✓ Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- o 10
- ✓ 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- ✓ Very good
- o Good

Dhiya. P

Signature of the Student

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	~~Saji S~~ Mr. M.Manikanda Murali
Topic Name	:	Hands on training in Embedded System
Name of the Industry/Training Institute	:	Beta Technologies Pvt. Ltd. Coimbatore.
Date	:	05-03-2016

1.Did you find the course useful?

- ✓ Very Useful
- ○ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- ○ No

3.Did you find the Activity useful?

- ✓ Very much
- ○ Not that much
- ○ Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- ○ 10
- ✓ 9
- ○ 8
- ○ Below 8

5. Knowledge about Concern Topic

- ○ Excellent
- ✓ Very good
- ○ Good

Saji. J

Signature of the Student

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JCT College of Engineering and Technology

Minutes of Meeting

Date : 3.6.2014
Time : 3.30 pm
Venue : Principal Chamber
Type : Special meeting to finalize the conduct of Value added courses

Members present

1. Principal 2. HoD – Automobile 3. HoD – PE 4. HoD – EEE 5.HoD – ECE 6. HoD – CSE 7. HoD- PCE 8. HoD- S&H 9. HoD- Mech 10. HoD – Civil

Discussion : 1

Planning to conduct Value added courses for benefit of students of below mentioned branches to enhance knowledge in the relevant field. The HoD's are asked to submit the proposal for conducting value added courses in their respective branches.

Resolution:

Based on the submitted proposals, the management is pleased to approve the following Value Added courses can be conducted for this academic year 2014-15.

Department	Name of the Course
Automobile Engineering	CATIA Modeling
Automobile Engineering	CNC programming
CIVIL ENGINEERING	Basic Site Work & Building Marking
EEE	Course on P-Spice Design
EEE	Low Power Visi With Lifting Algorithm
EEE	Course on LABVIEW
Petroleum Engineering	Oil And Gas Offshore Safety Engineering
CSE	Software Testing
S&H	Carrier Development Course

Principal

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1.3 Curriculum Enrichment (30)

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (15)

2014-2015

Sl.No	Name of the value added courses (with 30 or more contact hours)offered during last five years	Introduced in Curriculum and year	Offered for students of Program	Signature of HoD
1	CATIA MODELING	2014-15	Department of Automobile Engineering	
2	CNC PROGRAMMING			
3	BASIC SITE WORK & BUILDING MARKING	2014-15	Department of Civil Engineering	
4	LOW POWER VLSI WITH LIFTING ALGORITHM	2014-15	Department of Electrical and Electronics Engineering	
5	COURSE ON LABVIEW			
6	COURSE ON P-SPICE			
7	SOFTWARE TESTING	2014-15	Department of Computer Science and Engineering	
8	OIL AND GAS OFFSHORE SAFTEY ENGINEERING	2014-15	Department of Petroleum Engineering	
9	CAREER DEVELOPMENT COURSE	2014-15	Department of Science and Humanities	

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JCT College of Engineering and Technology

Cbe -105
03.06.2014

To Whomsoever it may concern

We have planned to Organize the following Value added courses in this academic year 2014-15 for the benefits of students of various branches of our institution. **Herewith we are declaring that the below claimed Value added course is not in the main regular curriculum.**

Department	Name of the Course
Automobile Engineering	Catia Modeling
Automobile Engineering	CNC programming
CIVIL ENGINEERING	Basic Site Work & Building Marking
EEE	Course on P-Spice Design
EEE	Low Power Vlsi With Lifting Algorithm
EEE	Course on LABVIEW
Petroleum Engineering	Oil And Gas Offshore Saftey Engineering
CSE	Software Testing
S&H	Carrier Development Course

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105
Department of Automobile Engineering

18.05.2015

From

The Head of the Department
Department of Automobile Engineering,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Respected Sir,

Subject: Requisition for your kind approval to conduct a course on **"CATIA MODELING"** at our campus-Reg.

The Department of Automobile Engineering has planned to conduct a course on **"CATIA MODELING"** for the III and II Year automobile Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Company name	Organized by	Date
1	Value added course	CADD Centre Coimbatore	Department of Automobile Engineering	08.06.2015 to 15.06.2015

Thanking you

HoD/AUTO

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HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105

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COIMBATORE 641 105

Department of Automobile Engineering

CIRCULAR

01.06.2015

It is here by informed that the department of Automobile is organizing value added course on **"CATIA MODELING"** from 08-06-2015 to 15-06-2015.All the students are instructed to attend and get benefited.

To be read in:-

1) III Year Auto
2) II year Auto

HoD/AUTO

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

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PICHANUR, COIMBATORE-641105

Department of Automobile Engineering

VALUE ADDED COURSE ON CATIA MODELING

TIME TABLE

DATE	TIMING	TOPIC
08-06-2015 Wednesday	10.00 am to 5 pm	INTRODUCTION TO CATIA
08-06-2015 Thursday	10.00 am to 5 pm	DRAWING SKETCHES IN THE SKETCHER WORKBENCH-
08-06-2015 Friday	10.00 am to 5 pm	CONSTRAINING SKETCHES AND CREATING BASE FEATURES
11-06-2015 Saturday	10.00 am to 5 pm	REFERENCE ELEMENTS AND SKETCH-BASED FEATURES
13-06-2015 Monday	10.00 am to 5 pm	WORKING WITH THE WIREFRAME AND SURFACE DESIGN WORKBENCH
14-06-2015 Tuesday	10.00 am to 5 pm	EDITING AND MODIFYING SURFACES
15-06-2015 Wednesday	10.00 am to 5 pm	ASSEMBLY MODELING

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COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	REMARKS
1	ABITH KRISHNAN	
2	AHAMED BILAL.A	
3	AJITH.M	
4	ALTHAF	
5	ALTIN JOSEPH	
6	ANAS.K	
7	ARUN JAYA PRAKASH	
8	ARUN KRISHNAN.C	
9	DEEPAK MENON P.K	
10	FAZIL.M.P	
11	GANESH BABU.A	
12	GIRISH KUMAR.S	
13	GOKUL.R	
14	HARI RAM.M	
15	HASEEB .K.T	
16	JAYA KRISHNAN	
17	JOBIN P.JOSE	
18	MANSOOR ALI M.A	
19	MANU P.JOHNSON	
20	MOHAMMED AFINSHA A.P	
21	MOHAMMED SHAFIN	
22	MUNAVAR.P	
23	MUNSHEERUL AHAD.K	
24	NAVEEN SIVADAS	
25	PADMAKUMAR.V	
26	PRADEEP KUMAR.K	
27	SAJEESHKUMAR.M	
28	SALMAN ASHIQ	
29	SALMANUL FARIS.P.K	
30	SANCHU RAVINDARAN	
31	SARAVANA SRINIVASAN	
32	SATHEESH.E	
33	SATHISH KUMAR.K	
34	SIRAJUDHEEN T.K	
35	SIVARAMALINGAM.S	
36	SUJITH.C	
37	SULFEEK.C.A	
38	SYED THANVEER.A	
39	VENKATESH PRABHU.S	
40	VIKNESVAR.K	
41	VIPIN SAM GEORGE	
42	BENNY.Y	
43	BHARATH.S	
44	GOWTHAM.A.G	
45	KOWSHICK.D	
46	MAGUDESWARAN	
47	RAJEESH.R	
48	RAM KISHORE.D	
49	SHYAM.K	
50	VINEESH WILSON	

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COIMBATORE 641 105

Department of Automobile Engineering

REGISTERED STUDENTS NAME LIST

Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	REMARKS
1	ABHILASH.E	
2	ACHUPRASAD.K.S	
3	ANBARASU.R.B	
4	ANTO NIRMAL.K	
5	ASHOK KUMAR.M	
6	GANESH BABU.D	
7	GAUTHAM.S	
8	IVIN.P.VARGHESE	
9	JISHNU K.V	
10	KRISHNALAL.A.R	
11	MAHENDRAN.V	
12	MAJEESH K.M	
13	MATHUBALAN.P	
14	MAVIN KUMAR.M	
15	MOHAMMED HABEEB.P.A	
16	NAVEEN KUMAR.P	
17	RINSHAD M.K	
18	SACHIN P DEV.S	
19	SAFEEQ.S	
20	SARAVANAN.A	
21	SASIDHARAN.G	
22	SHARUK HANIFA.S	
23	SURYA KUMAR.B	
24	VISHNU VARDHAN.G	

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Department of Automobile Engineering

25	YOGARAJ.P	
26	ANANDHAKUMAR.S	
27	ANSON MATHEW	
28	ARUNKUMAR.S	
29	BHARATHI RAJA.P	
30	FARIS.A.P	
31	HELVIS.P.CLECTUS	
32	JAI GANESH.E	
33	JAVEEN KUMAR.M	
34	JAGADEESH.T	
35	KARTHICK.R	
36	MUHAMMED SENIL.P	
37	MUTHUKUMAR.M	
38	NAVEEN.N	
39	PRAVEEN.T	
40	RAGHUL.B.R	
41	RAMESH.S	
42	REVANTH.V	
43	SAMSON.K.PAUL	
44	SANTHOSH KUMAR.M	
45	SANTHOSH.M	
46	SHAMEEM.K.T	
47	SUDIP MUKHERJEE	
48	SUNIL.K	
49	SURESH KUMAR.L	
50	THANZEER.K.M	

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Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	3/6/15	8/6/15	9/6/15	9/6/15	10/6/15	10/6/15	11/6/15	11/6/15	12/6/15	11/6/15	13/6/15	13/6/15	17/6/15	15/6/15
1	ABHILASH.E	/	/	/	a	/	/	/	a	/	/	/	a	/	/
2	ACHUPRASAD.K.S	/	/	/	/	/	/	a	/	/	/	/	/	a	/
3	ANBARASU.R.B	/	/	/	/	/	a	/	/	/	/	/	/	/	a
4	ANTO NIRMAL.K	/	/	/	/	/	/	a	/	/	/	a	a	/	/
5	ASHOK KUMAR.M	/	a	/	/	/	/	/	/	a	/	/	/	a	/
6	GANESH BABU.D	/	/	/	a	/	/	/	/	/	/	/	a	/	/
7	GAUTHAM.S	a	/	/	/	/	a	/	/	/	a	/	/	/	/
8	IVIN.P.VARGHESE	/	/	a	/	/	/	/	/	a	/	/	/	/	a
9	JISHNU K.V	/	/	/	/	/	/	a	/	/	a	a	/	/	/
10	KRISHNALAL.A.R	/	a	a	/	/	/	/	/	/	/	a	/	/	/
11	MAHENDRAN.V	/	/	/	a	/	/	/	/	/	/	/	/	/	a
12	MAJEESH K.M	/	/	/	/	/	/	/	/	/	/	/	/	/	a
13	MATHUBALAN.P	/	a	/	a	a	/	/	/	/	/	/	/	a	a
14	MAVIN KUMAR.M	/	/	/	/	a	/	/	/	/	/	/	/	/	a
15	MOHAMMED HABEEB.P.A	/	/	/	a	a	/	/	/	/	a	/	/	/	/
16	NAVEEN KUMAR.P	/	/	/	/	a	/	/	/	/	a	/	/	/	a
17	RINSHAD M.K	/	/	/	/	/	/	/	/	/	/	/	a	/	/
18	SACHIN P DEV.S	/	/	a	/	/	/	a	/	/	/	/	/	/	/
19	SAFEEQ.S	/	/	/	/	/	/	a	/	/	/	/	/	/	a
20	SARAVANAN.A	/	/	/	/	/	a	/	/	/	/	/	/	/	a
21	SASIDHARAN.G	a	a	/	/	/	/	/	/	/	/	/	/	a	/
22	SHARUK HANIFA.S	/	/	/	/	/	a	/	/	/	/	/	/	/	/

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Department of Automobile Engineering

23	SURYA KUMAR.B	/	/	/	/	/	a	/	/	/	a	/	/	/	a
24	VISHNU VARDHAN.G	/	/	a	/	/	/	/	a	/	/	/	/	/	/
25	YOGARAJ.P	/	/	/	/	a	/	/	/	/	/	/	a	/	/
26	ANANDHAKUMAR.S	/	/	/	a	/	/	/	/	/	/	a	/	/	a
27	ANSON MATHEW	/	a	/	/	/	/	/	/	/	/	/	a	a	/
28	ARUNKUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/	a	/
29	BHARATHI RAJA.P	/	/	/	a	/	/	/	a	/	/	/	a	/	/
30	FARIS.A.P	/	/	a	/	/	/	/	/	/	a	a	/	/	/
31	HELVIS.P.CLECTUS	a	/	/	/	/	/	/	/	/	/	a	/	/	/
32	JAI GANESH.E	/	/	/	a	/	/	/	/	/	/	/	/	/	a
33	JAVEEN KUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	a	/
34	JAGADEESH.T	/	a	/	/	/	/	/	/	a	a	/	/	/	/
35	KARTHICK.R	/	/	a	a	/	/	/	/	/	/	/	/	/	/
36	MUHAMMED SENIL.P	/	/	/	/	/	a	/	/	/	/	/	/	/	/
37	MUTHUKUMAR.M	/	/	/	/	/	/	/	/	/	a	a	/	/	/
38	NAVEEN.N	a	/	/	/	/	/	/	a	/	/	/	/	/	/
39	PRAVEEN.T	/	/	/	a	/	/	/	/	/	/	/	/	/	a
40	RAGHUL.B.R	/	a	a	/	/	/	/	/	/	/	/	/	/	a
41	RAMESH.S	/	/	/	/	/	/	/	/	/	a	/	/	/	/
42	REVANTH.V	/	/	/	/	/	/	/	a	/	/	/	/	/	/
43	SAMSON.K.PAUL	a	/	/	a	/	/	/	/	/	/	/	/	a	a
44	SANTHOSH KUMAR.M	/	/	/	/	/	/	/	a	a	/	/	/	/	a
45	SANTHOSH.M	/	/	/	/	a	a	/	/	/	/	/	a	/	/
46	SHAMEEM.K.T	/	a	a	/	/	/	/	/	/	/	/	/	/	/
47	SUDIP MUKHERJEE	a	/	/	/	/	/	/	a	/	/	/	a	/	/
48	SUNIL.K	/	/	/	/	/	/	/	a	a	/	/	/	/	a

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Department of Automobile Engineering

49	SURESH KUMAR.L	/	/	/	/	/	a	a	/	/	/	/	/	a	/
50	THANZEER.K.M	a	/	/	/	/	/	a	/	/	/	/	a	/	/

HEAD OF THE DEPARTMENT
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Pichanur, Coimbatore-641 105.

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Department of Automobile Engineering

ATTENDANCE SHEET

Name of the Program: **CATIA MODELING**

S.NO	NAME OF THE STUDENT	5/1/15	8/1/15	9/1/15	9/1/15	10/1/15	12/1/15	11/1/15	11/1/15	12/1/15	12/1/15	13/1/15	15/1/15	15/1/15	15/1/15
1	ABITH KRISHNAN	/	/	/	/	/	/	a	/	/	/	/	a	/	/
2	AHAMED BILAL.A	/	/	a	/	/	/	/	a	/	/	/	/	/	/
3	AJITH.M	/	/	/	a	/	/	/	/	/	a	/	/	/	/
4	ALTHAF	/	/	/	/	/	a	/	/	/	/	/	/	/	/
5	ALTIN JOSEPH	a	/	/	a	/	/	/	/	/	/	/	/	a	/
6	ANAS.K	/	/	/	/	a	/	/	/	a	/	/	/	/	a
7	ARUN JAYA PRAKASH	/	/	/	a	/	/	/	a	/	/	/	a	/	/
8	ARUN KRISHNAN.C	/	/	/	/	a	/	/	/	/	/	a	/	/	/
9	DEEPAK MENON P.K	/	/	/	/	/	/	a	/	/	/	a	/	/	/
10	FAZIL.M.P	a	/	/	/	a	/	/	/	a	/	/	/	a	/
11	GANESH BABU.A	/	/	/	/	/	/	a	/	/	/	a	/	/	/
12	GIRISH KUMAR.S	/	/	/	a	/	/	/	a	/	/	a	/	/	/
13	GOKUL.R	/	/	a	/	/	/	/	/	/	/	/	/	a	/
14	HARI RAM.M	/	/	/	/	a	/	/	/	a	/	/	/	/	/
15	HASEEB .K.T	/	/	a	/	a	/	/	/	a	/	/	/	/	/
16	JAYA KRISHNAN	/	/	/	/	/	a	a	a	/	/	/	/	/	/
17	JOBIN P.JOSE	/	/	/	/	/	a	/	a	/	/	/	/	/	/
18	MANSOOR ALI M.A	/	a	/	/	/	/	/	a	/	/	/	/	a	/
19	MANU P.JOHNSON	/	/	a	/	/	a	/	/	/	/	/	/	/	/
20	MOHAMMED AFINSHA A.P	/	/	/	a	/	/	/	/	/	a	/	/	/	/
21	MOHAMMED SHAFIN	a	/	a	/	/	/	/	a	/	/	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 105

Department of Automobile Engineering

22	MUNAVAR.P	/	/	/	/	/	a	/	/	/	/	/	a	a	/
23	MUNSHEERUL AHAD.K	/	/	/	/	/	/	/	a	a	/	/	/	/	a
24	NAVEEN SIVADAS	/	/	/	/	/	a	/	/	/	a	/	/	/	a
25	PADMAKUMAR.V	/	/	a	a	/	/	/	/	/	/	/	a	/	/
26	PRADEEP KUMAR.K	a	a	/	/	/	/	/	/	/	/	/	/	a	/
27	SAJEESHKUMAR.M	/	/	/	/	/	/	/	/	/	a	a	/	/	a
28	SALMAN ASHIQ	/	/	/	/	/	/	/	/	a	a	/	/	/	a
29	SALMANUL FARIS.P.K	/	/	/	/	a	a	/	/	/	/	/	/	/	a
30	SANCHU RAVINDARAN	/	/	/	/	/	/	/	/	/	/	a	a	/	/
31	SARAVANA SRINIVASAN	a	/	/	/	/	/	/	/	a	/	/	/	/	a
32	SATHEESH.E	/	/	/	/	/	/	/	/	/	a	/	/	a	a
33	SATHISH KUMAR.K	/	/	/	/	/	/	/	/	/	/	/	/	a	a
34	SIRAJUDHEEN T.K	a	/	/	/	/	a	/	/	/	/	/	a	/	/
35	SIVARAMALINGAM.S	a	/	/	/	/	/	/	/	/	/	a	a	a	/
36	SUJITH.C	/	/	/	/	/	/	/	/	/	/	/	a	a	/
37	SULFEEK.C.A	/	/	/	/	/	a	a	/	/	/	/	/	/	a
38	SYED THANVEER.A	/	/	/	/	/	/	/	/	a	/	/	/	a	a
39	VENKATESH PRABHU.S	/	/	/	/	/	/	a	/	/	/	/	/	/	a
40	VIKNESVAR.K	/	/	/	a	/	/	/	/	/	/	/	/	/	a
41	VIPIN SAM GEORGE	/	/	/	/	/	/	/	/	/	a	a	/	/	/
42	BENNY.Y	/	/	/	/	a	/	/	/	/	/	/	/	/	a
43	BHARATH.S	/	/	/	/	/	/	/	a	a	/	/	/	a	a
44	GOWTHAM.A.G	a	/	/	/	/	/	/	/	/	/	/	a	a	/

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Department of Automobile Engineering

45	KOWSHICK.D	/	/	/	a	/	a	/	a	/	/	/	/	a	/
46	MAGUDESWARAN	/	/	a	a	/	/	/	/	/	/	/	/	a	/
47	RAJEESH.R	/	/	/	/	a	/	/	/	a	/	a	/	/	/
48	RAM KISHORE.D	/	/	/	/	a	/	a	/	/	/	/	/	/	/
49	SHYAM.K	a	/	/	/	/	/	/	a	/	/	/	/	a	/
50	VINEESH WILSON	/	/	/	/	/	a	/	a	/	/	a	/	/	/

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JCT College of Engineering & Technology
Pichanur, Coimbatore-641105

HEAD OF THE DEPARTMENT
Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

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CATIA Syllabus

1. INTRODUCTION TO CATIA
2. DRAWING SKETCHES IN THE SKETCHER WORKBENCH
3. DRAWING SKETCHES IN THE SKETCHER WORKBENCH
4. CONSTRAINING SKETCHES AND CREATING BASE
5. REFERENCE ELEMENTS AND SKETCH-BASED FEATURES
6. CREATING DRESS-UP AND HOLE FEATURES
7. EDITING FEATURES
8. TRANSFORMATION FEATURES AND ADVANCED MODELING TOOLS
9. EDITING AND MODIFYING
10. WORKING WITH THE DRAFTING WORKBENCH-I
11. WORKING WITH SHEET METAL
12. DMU KINEMATICS

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COIMBATORE 641 105

Department of Automobile Engineering

Student Feedback

Name of the Student: SATHEESH. E Sex (M/F): M

Department: Automobile. E-mail satheesh@gmail.com

Address: Redhouse, Redmagar, Chennai mobile 7559887486

Students are required to rate the courses

Name of the Trainer: Anjay Ramasamy.

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course		✓		
9. Provision of sufficient time for feedback		✓		
10. Overall rating	✓			

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Signature of HOD

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Department of Automobile Engineering
JCT College of Engineering and Technology
Pichanur, Coimbatore-641 105.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms RAM KISHORE.D has successfully completed the Course on **CATIA MODELING** from 08.06.2015 to 15.06.2015. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms ANTO NIRMAL.K has successfully completed the Course on **CATIA MODELING** from 08.06.2015 to 15.06.2015. His performance during this training period was Very Good.

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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms JAGADEESH.T has successfully completed the Course on **CATIA MODELING** from 08.06.2015 to 15.06.2015. His performance during this training period was Very Good.

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This is to certify that Mr/Ms SAFEEQ.S has successfully completed the Course on **CATIA MODELING** from 08.06.2015 to 15.06.2015. His performance during this training period was Very Good.

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DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms SURESH KUMAR.L has successfully completed the Course on CATIA MODELING from 08.06.2015 to 15.06.2015. His performance during this training period was Very Good.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE – 641105

17/10/2014

From

Head of the Department,
Department of Civil Engineering,
JCT College of Engineering and Technology,
Coimbatore – 641105.

To

The Principal
JCT College of Engineering and Technology,
Coimbatore – 641105.

Respected Sir,

Sub : Requesting permission for conducting course on 'BASIC SITE WORK AND BUILDING MARKING" - Reg.

The Department of Civil Engineering is planned to conduct the course on "BASIC SITE WORK AND BUILDING MARKING" for our third year civil engineering students. The course period is 15/12/2014 to 22/12/2014. Hence I request you to kindly provide the permission for conducting the above course successfully.

Thanking you,

Yours truly,

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

BASIC SITE WORK AND BUILDING MARKING

COURSE SYLLABUS

DURATION :30 HOURS (6 DAYS)

INTRODUCTION

Introduction about building construction, importance and necessity of site management and marking, Technical terms of various components of buildings, types of buildings, types of structures, units and measurements, construction tools & equipments and site preparation.

MATERIALS

Construction materials- sand and its types, natural stones, artificial stones, cement and its types, concrete and its types, special types of materials, quality control.

BUILDING MARKING

Units and its conversion, components of various types of buildings, building alignment techniques and its importance, study and execution of building drawings.

LOAD BEARING STRUCTURE

Basic principle, center line marking of load bearing structure- demonstration at site, marking of residential and commercial buildings.

FRAMED STRUCTURE

Basic principle, center line marking of framed structures(column marking)- demonstration at site, marking of multistory buildings and industrial buildings.

PRACTICAL SESSION

Site visit, on marking and alignment of buildings.

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

STUDENTS NAME LIST

Course : Basic Site Work And Building Marking

Year/Semester : III/V

Batch : 2012

Academic year : 2014 - 2015

Duration : 15/12/2014 to 22/12/2014

Total hours : 30 Hours

S.NO	REG.NO	STUDENTS NAME
1	720912103001	ABDUL RAHMAN.S
2	720912103003	AJISHAD.V.P
3	720912103004	AJMAL PALATTU THARAYIL BAVU
4	720912103005	AKHILA.B
5	720912103006	ANDREWS NAVEEN REXTON.J
6	720912103007	ARJUN MENON.M
7	720912103008	ARUN.T
8	720912103009	ASHOK RAJA.B
9	720912103010	ASISH K.S
10	720912103011	BARANI BALAN.P
11	720912103012	DHANASEKAR.S
12	720912103014	FASIL BABU V.P
13	720912103015	HASHEEB.H
14	720912103016	HYDER.S
15	720912103017	JEEZAR.R
16	720912103018	JISHNU R.M
17	720912103019	KARTHIKEYAN.E
18	720912103020	MANEESH.P.K
19	720912103021	MANJUNATH.V
20	720912103022	MOHAMMED AZARUDEEN.A

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21	720912103023	MOHANA PRIYA.M
22	720912103024	NAGAARJUN.M
23	720912103025	NANDHINI.S
24	720912103026	NAVANEETH.T.N
25	720912103027	PIBITTO.V
26	720912103028	PRABHU.R
27	720912103029	RAJAKUMARAN.M
28	720912103030	RAMANATHAN.R
29	720912103033	RATHISH RANGARAJ.G
30	720912103034	RISIKESH.R
31	720912103035	SAJITH
32	720912103036	SAKTHI.S
33	720912103037	SARAVANAN.A
34	720912103038	SENTHIVEL.M
35	720912103039	SHINS.T
36	720912103040	SIVAMURUGAN.M
37	720912103042	SULEKHA.Y
38	720912103043	SURESH.A
39	720912103044	SUTHAKAR.T
40	720912103045	THARUN KUMAR.M
41	720912103046	VIGNESH .M
42	720912103047	VIGNESH.P
43	720912103048	VIGNESH.V
44	720912103301	AMAL VARGHESE.
45	720912103302	ASHOK KUMAR.M
46	720912103304	FAWAZN.N
47	720912103305	HAMEEM.M

Course Coordinator

HOD/Civil

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore-641105
Students Attendance

Course : Basic Site Work And Building Marking
Class : IIIYear / Vth Semester

S.NO	REG.NO	STUDENTS NAME	DATE											
			15/12/2014		16/12/2014		17/12/2014		18/12/2014		19/12/2014		22/12/2014	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	720912103001	Abdul Rahman.S	/	/	/	/	/	/	/	/	/	/	/	/
2	720912103003	Ajishad.V.p	/	/	/	/	/	/	/	/	/	/	/	/
3	720912103004	Ajmal Palattu Tharayil Bavu	/	/	/	/	/	/	/	/	/	/	/	/
4	720912103005	Akhila.B	/	/	/	/	/	/	/	/	/	/	/	/
5	720912103006	Andrews Naveen Rexton.J	/	/	/	/	/	/	/	/	/	/	/	/
6	720912103007	Arjun Menon.M	/	/	/	/	/	/	/	/	/	/	/	/
7	720912103008	Arun.T	/	/	/	/	/	/	/	/	/	/	/	/
8	720912103009	Ashok Raja.B	/	/	/	/	/	/	/	/	/	/	/	/
9	720912103010	Asish K.S	/	/	/	/	/	/	/	/	/	/	/	/
10	720912103011	Barani Balan.P	/	/	/	/	/	/	/	/	/	/	/	/
11	720912103012	Dhanasekar.S	/	/	/	/	/	/	/	/	/	/	/	/
12	720912103014	Fasil babu V.p	/	/	/	/	/	/	/	/	/	/	/	/
13	720912103015	Hasheeb.H	/	/	/	/	/	/	/	/	/	/	/	/
14	720912103016	Hyder.S	/	/	/	/	/	/	/	/	/	/	/	/
15	720912103017	Jeezar.R	/	/	/	/	/	/	/	/	/	/	/	/
16	720912103018	Jishnu R.M	/	/	/	/	/	/	/	/	/	/	/	/
17	720912103019	Karthikeyan.E	/	/	/	/	/	/	/	/	/	/	/	/
18	720912103020	Maneesh.P.K	/	/	/	/	/	/	/	/	/	/	/	/
19	720912103021	Manjunath.V	/	/	/	/	/	/	/	/	/	/	/	/
20	720912103022	Mohammed Azarudeen.A	/	/	/	/	/	/	/	/	/	/	/	/
21	720912103023	Mohana Priya.M	/	/	/	/	/	/	/	/	/	/	/	/
22	720912103024	Nagaarjun.M	/	/	/	/	/	/	/	/	/	/	/	/
23	720912103025	Nandhini.S	/	/	A	A	/	/	/	/	A	A	/	/
24	720912103026	Navaneeth.T.N	/	/	/	/	/	/	/	/	/	/	/	/
25	720912103027	Pibitto.V	/	/	/	/	/	/	/	/	/	/	/	/
26	720912103028	Prabhu.R	/	/	/	/	/	/	/	/	/	/	/	/
27	720912103029	Rajakumaran.M	/	/	/	/	/	/	/	/	/	/	/	/
28	720912103030	Ramanathan.R	/	/	/	/	/	/	/	/	/	/	/	/
29	720912103033	Rathish Rangaraj.G	A	A	/	/	/	/	/	/	/	/	/	/
30	720912103034	Risikesh.R	/	/	/	/	/	/	/	/	/	/	/	/

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31	720912103035	Saith	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	720912103036	Sakthi.S	/	/	/	/	A	A	/	/	/	/	/	/	/	/
33	720912103037	Saravanan.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	720912103038	Senthivel.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	720912103039	Shins. I	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	720912103040	Sivamurugan.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	720912103042	Sulekha.Y	/	/	/	/	/	/	A	A	/	/	/	/	/	/
38	720912103043	Suresh.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	720912103044	Suthakar.T	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40	720912103045	Tharun Kumar.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41	720912103046	Vignesh .M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42	720912103047	Vignesh P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43	720912103048	Vignesh.V	/	/	/	/	/	/	A	A	/	/	/	/	/	/
44	720912103301	Amal Varghese.	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45	720912103302	Ashok Kumar.M	/	/	A	A	/	/	/	/	/	/	/	/	/	/
46	720912103304	Fawazn.N	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47	720912103305	Hameem.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Coordinator

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE - 641 105

CERTIFICATE OF COMPLETION

This is to certify that Mr. Arun.T (720912103008) has successfully completed the training course on *Basic Site Work And Building Marking* during 15/12/2014 to 22/12/2014 conducted by the department of Civil Engineering.

Course Coordinator

Date: 23/12/2014

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Head of the Department

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CERTIFICATE OF COMPLETION

This is to certify that Mr. DHANASEKAR.S (720912103012) has successfully completed the training course on *Basic Site Work And Building Marking* during 15/12/2014 to 22/12/2014 conducted by the department of Civil Engineering.

Course Coordinator

Date: 23/12/2014

PRINCIPAL
JCT College of Engineering & Technology
PICHANUR, Coimbatore - 641 105.

Head of the Department

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

CERTIFICATE OF COMPLETION

This is to certify that Mr. KARTHIKEYAN.E (720912103019) has successfully completed the training course on *Basic Site Work And Building Marking* during 15/12/2014 to 22/12/2014 conducted by the department of Civil Engineering.

Course Coordinator

Date: 23/12/2014

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CERTIFICATE OF COMPLETION

This is to certify that Mr.Abdul Rahman.S (720912103001) has successfully completed the training course on *Basic Site Work And Building Marking* during 15/12/2014 to 22/12/2014 conducted by the department of Civil Engineering.

Course Coordinator

Date: 23/12/2014

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PICHANUR, Coimbatore - 641 105.

Head of the Department

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641 105

CERTIFICATE OF COMPLETION

This is to certify that Mr.Ajishad.V.P (720912103003) has successfully completed the training course on *Basic Site Work And Building Marking* during 15/12/2014 to 22/12/2014 conducted by the department of Civil Engineering.

Course Coordinator

Date: 23/12/2014

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PICHANUR, Coimbatore - 641 105.

Head of the Department

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Training Evaluation Form

Title of event: BASIC SITE WORK AND BUILDING MARKING

Date of event: 15/12/14 – 22/12/14

Location of event: Inside the Campus.

Instructions: Please tick your level of agreement with the statements listed below	Strongly Agree	Agree	Disagree	Strongly Disagree	Not relevant to this event
1.The objectives of the training were met	✓				
2.The presenters were engaging		✓			
3.The presentation materials were relevant		✓			
4.The content of the course was organised and easy to follow	✓				
5.The trainers were well prepared and able to answer any questions		✓			
6.The course length was appropriate	✓				
7. The pace of the course was appropriate to the content and attendees		✓			
8.The exercises/role play were helpful and relevant	✓				
9.The venue was appropriate for the event	✓				

10. What was most useful?

11. What was least useful?

12. What else would you like to see included in this event?Are there any other topics that you wouldlike to be offered training courses in?

13. Would you recommend this course to colleagues? Yes/No Why?

Yes it is very usefull training.

14. Any other comments?

No

THANK YOU FOR COMPLETING THIS EVALUATION FORM. FEEDBACK RECEIVED WILL BE USED TO PROVIDE IMPROVEMENTS TO FUTURE EVENTS.

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17.06.2015

Dr.G.Ramesh M.E., Ph.D., F.I.E
Principal.

To,

Mrs.Maria Roslin,
Software Testing Trainer,
Proprietor of JMJ Institute,
Coimbatore.

Dear Madam,

Sub: Invitation for Conducting a Course on Software Testing – Reg.

We have pleasure to extend our invitation to you to conducting a course on Software Testing at our College for our III and IV Year Students of Computer Science and Engineering from 20.06.2015 to 27.06.2015. We shall be grateful if you could kindly accept this invitation for the above purpose.

Thanking you and looking forward to your kind Cooperation.

Yours Sincerely,

Principal. 17/6/15

JMJ INSTITUTE
FOR SOFTWARE TRAINING

20.6.2015

To

Dr.G.Rajiv Suresh Kumar,
Department of Computer Science and Engineering,
JCT College of Engineering and Technology,
Coimbatore-641105.

Respected Sir,

This is to inform you that that request has been accepted and trainer will be allocated from our organisation for conducting software testing course in your college.

Thanking You,

Maria Roslin
(Proprietor)

No1, Samanaidu Layout, Ramanathapuram, Coimbatore-45,
Tel: +91-75988 74768, 73394 10542
Mail to : jmjinstitute@gmail.com

INSTITUTE
FOR SOFTWARE TRAINING

Software Testing- 7 Days Value Added Program

Day 1

- Introduction to Software Testing
  - ✓ Verification vs validation
  - ✓ SDLC – Software Development Life Cycle
  - ✓ Waterfall
  - ✓ Prototype
  - ✓ Spiral
  - ✓ Incremental(Agile methodology and Scrum Framework)
  - ✓ V-Model
  - ✓ Advantages and Disadvantages of each software development life cycle

Lunch

- Introduction to Automation Testing
  - ✓ What is Automation Testing
  - ✓ Advantages of Automation Testing
  - ✓ Types of Recording Modes
  - ✓ Normal Recording Mode
  - ✓ Analog Recording Mode
  - ✓ Low Level Recording Mode
- Parameterization
  - ✓ What is Parameterization
  - ✓ Why Parameterization is needed
  - ✓ Types of Parameterization
  - ✓ Datatable,Random Number and Environment Parameterization
  - ✓ How to access data from Global Sheet and Local sheet

Day 2

- Recovery Scenarios
  - ✓ Handling the exception using Recovery Scenario Manager
  - ✓ Usage of Recovery Scenario Wizard

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INSTITUTE
FOR SOFTWARE TRAINING

Software Testing- 7 Days Value Added Program

  - ✓ Completing a Recovery Scenario
  - ✓ Creation and Association of .QRS file for Recovery Scenario
- Step Generator
  - ✓ What is Step Generator
  - ✓ How to Generate script using Step Generator
  - ✓ Advantages & Disadvantages of using Step Generator
- Actions
  - ✓ What is Action
  - ✓ Types of Actions
  - ✓ Methods to import an Action
  - ✓ Call to New, Call to Existing, Call to Copy

Lunch

- Introduction To Automation Testing
  - ✓ Introduction To Selenium
  - ✓ Selenium and Its Usage
  - ✓ Features Of Selenium
  - ✓ Selenium Components
    - Selenium IDE
    - Selenium RC
    - Selenium Web Driver
    - Selenium Grid

Day 3

- ✓ Configuring Web Driver in Eclipse
- ✓ Object Identification using ID, NAME, LINK TEXT, CLASS
- ✓ Handling Different Type Of Controls Like Input Boxes, Buttons, Radio Buttons, Check Boxes, Links
- ✓ Launching Different Browsers Using Web Driver
- ✓ First Test Case In Web Driver

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INSTITUTE
FOR SOFTWARE TRAINING

Software Testing- 7 Days Value Added Program

Lunch

- ✓ Reading Excel File Using Selenium Web Driver
- ✓ Uploading File In Selenium Using AutoIT
- ✓ Selenium With Sikuli
- ✓ Integrating Selenium With Maven

Day 4

- ✓ Handling Drop Down Boxes Using Web Driver
- ✓ Capturing Screen Shots While Testing

Lunch

- ✓ Introduction to JMeter:
- ✓ Components of JMeter:
- ✓ Test Plan
- ✓ Thread Groups
- ✓ Workbench

Day 4

- ✓ Using Assertion In Web Driver , Scrolling Page and Scrolling Into View
- ✓ TestNG Annotations, Highlighting Objects In Browser Using Selenium

Lunch

- ✓ Config Elements
- ✓ Timers
- ✓ Pre Processors
- ✓ Post Processors
- ✓ Assertions
- ✓ Listeners

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INSTITUTE
FOR SOFTWARE TRAINING

Software Testing- 7 Days Value Added Program

Day 6

- ✓ How to do scripting with Recording and Replay Functionality:
- ✓ How to record?
- ✓ Dos and Don'ts during recording.

Lunch

- ✓ Parameterization of input data from EXCEL sheet.
- ✓ How to design and execute load test using JMeter controller.

Day 7

How to replay?

- ✓ Dos and Don'ts during replay.
- ✓ How to debug the recorded code?

Lunch

- ✓ How to design and execute endurance test or long lasting testing.
- ✓ Plugin for generating automated load test results and graphs

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JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore – 641 105

Department of Computer Science and Engineering

Circular

June 20, 2015

Our Department is planned to conduct course on **"Software Testing"** for our third and final year computer science and engineering students at our campus will be conducted by Mrs.Maria Roslin, Software Testing Trainer, Proprietor of JMJ Institute For Software Training, Coimbatore. The course will be conducted from 20/06/15 to 27/06/15 .

Association coordinator

HoD/CSE

To

Class Advisor & Tutors of III year CSE students (To be read in the class room) and all the faculty members of CSE dept.

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur ,Coimbatore-641105

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

TIMETABLE

18.06.2015

Name of the Trainer: Mrs. Maria Roslin
Name of the Program: Softwate Testing

S.no	Date	Time	Topic
1	20.06.2015	9.00 AM to 12.30 PM	Unit 1 Introduction to Software Testing
		1.00 PM to 5.30 PM	Unit 1 Introduction to Software Testing
2	22.06.2015	9.00 AM to 12.30 PM	UNIT 2 Introduction to Automation Testing
		1.00 PM to 5.30 PM	Parameterization
3	23.06.2015	9.00 AM to 12.30 PM	UNIT 3 Recovery Scenarios
		1.00 PM to 5.30 PM	Step Generator Actions
4	24.06.2015	9.00 AM to 12.30 PM	UNIT 4 Introduction To Selenium
		1.00 PM to 5.30 PM	Configuring Web Driver in Eclipse
5	25.06.2015	9.00 AM to 12.30 PM	Launching Different Browsers Using Web Driver
		1.00 PM to 5.30 PM	UNIT 5 Selenium Web Driver
6	26.06.2015	9.00 AM to 12.30 PM	JMeter
		1.00 PM to 5.30 PM	Using Assertion In Web Driver , Scrolling Page and Scrolling Into View
7	27.06.2015	9.00 AM to 12.30 PM	How to do scripting with Recording and Replay Functionality:
		1.00 PM to 5.30 PM	How to replay?

Faculty Co-ordinator

HOD/CSE

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JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

STUDENT REGISTRATION

Academic year 2014-2015

Name of the Trainer: Mrs. Maria Roslin

Name of the Program: Software Testing

S.No.	Name Of the Student	Sign
1	AAKASH.V.J	
2	ARUN.D	
3	ASWIN VISWAS.V	
4	ATHUL JOHNY	
5	DEEPIKA.K	
6	DIVYA.C	
7	HARIKRISHNAN.R	
8	HARITHA.K	
9	JEEVA.R	
10	JISHNU.G	
11	MALARVIZHI.K	
12	MANJUPRIYA.C	
13	MOHAMMED JISHAD.E.P	
14	RAMSINA.A	
15	RUKSANA PARVEEN.A	
16	SAJEEV.S	
17	SAPNA.B	
18	SHIJISHA.K	
19	SHITHIN JOSE	
20	SILPA JOSE	
21	SIVARAMAKRISHNAN.S	
22	SOWMYABEGAM.M	
23	VISHNU.K	
24	ANSAR HUSAIN M C	
25	RINAS P N	
26	BEN ROBY	
27	BHOOPATHY.S	
28	KISHORE.V	
29	PRASANTH.N	
30	PRAVEEN.D	
31	RANJITH KUMAR.G	
32	SENDHU.R	
33	SHAFIK.S	
34	SHAMEER.K	
35	ARUL KRISHNAN.V	
36	ASWATHY	
37	ASWINI FELCITA.S	
38	ASWINI.S	
39	BABU.S	

JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

40	DEVI.M	
41	GOWTHAM KUMAR.R	
42	GREESHMA.K.S	
43	HANEEF AHMED ROSHAN.J	
44	HARIKRISHNAN.M	
45	JITHIN K MATHEW	
46	KINGSLEY SANJAY.P	
47	KRISHNA PRIYA.R	
48	MADHUBALAN.M	
49	MAHESH.S	
50	MANEESHA.K.J	
51	MANISH MICHAEL	
52	MARIA HADRIA.F	
53	MERIN ANTONY	
54	POOJA.V.M	
55	PRAVINA.P	
56	PRIYANKA.G	
57	RADHA KRISHNAN.V	
58	RAMAKRISHNAN.U	
59	RANJUSREE.P.R	
60	RINCY.K	
61	SABARINATH.M	
62	SNEHA MARIA SUNNY	
63	SOORYA KRISHNAN.U	
64	SRUTHI.S	
65	SRUTHY .C	
66	SRUTHY.K	
67	SUBEE.A	
68	SUNDAR.R	
69	SUSMITHA XAVIER	
70	VIJAYA KUMAR.K	
71	ARUN.N.P	
72	DINESH KUMAR.S	
73	HARISH KUMAR.A	
74	SHAFEER ALI.S	
75	AIJAY VIJAYAN	
76	RANI NITHYA PRIYA..V	

Signature of HOD.

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

ATTENDANCE SHEET

Academic year 2014-2015

Name of the Trainer: Mrs. Maria Roslin
Name of the Program: Software Testing

S.NO	NAME OF THE	20/6	21/6	22/6	23/6	24/6	25/6	26/6	27/6	28/6
1	AAKASH.V.J	/	/	/	/	/	/	/	/	/
2	ARUN.D	/	/	/	/	/	/	/	/	/
3	ASWIN VISWAS.V	/	/	/	/	/	/	/	/	/
4	ATHUL JOHNY	/	/	/	/	/	/	/	/	/
5	DEEPIKA.K	/	/	/	/	/	/	/	/	/
6	DIVYA.C	/	/	a	a	a	a	/	/	/
7	HARIKRISHNAN.R	/	/	/	/	/	/	/	/	/
8	HARITHA.K	/	/	/	/	/	/	a	a	/
9	JEEVA.R	/	/	/	/	/	/	/	/	/
10	JISHNU.G	/	/	/	/	/	/	/	/	/
11	MALARVIZHI.K	a	a	/	/	/	/	/	/	/
12	MANJUPRIYA.C	/	/	/	/	/	/	/	/	/
13	MOHAMMED	/	/	/	/	/	a	a	/	/
14	RAMSINA.A	/	/	/	/	/	/	/	/	/
15	RUKSANA PARVEEN.A	/	/	/	/	/	/	/	/	/
16	SAJEEV.S	/	/	/	a	a	/	/	/	/
17	SAPNA.B	/	/	/	/	/	/	/	/	/
18	SHIJISHA.K	/	/	/	/	/	/	/	/	/
19	SHITHIN JOSE	/	/	/	/	/	/	/	/	/
20	SILPA JOSE	/	/	/	/	/	/	/	/	/
21	SIVARAMAKRISHNAN.S	/	/	/	/	/	/	/	/	/
22	SOWMYABEGAM.M	/	/	/	/	/	/	/	/	/
23	VISHNU.K	/	/	/	/	/	/	a	a	/
24	ANSAR HUSAIN M C	/	/	/	/	/	/	/	/	/
25	RINAS P N	/	/	/	/	/	/	/	/	/
26	BEN ROBY	/	/	/	a	a	/	/	/	/
27	BHOOPATHY.S	a	a	/	/	/	/	/	/	/
28	KISHORE.V	/	/	a	a	/	/	/	/	/
29	PRASANTH.N	/	/	/	/	/	/	/	/	/
30	PRAVEEN.D	/	/	/	/	/	/	/	/	/
31	RANJITH KUMAR.G	/	/	/	/	/	/	/	/	/
32	SENDHU.R	/	/	/	/	/	/	/	/	/
33	SHAFIK.S	/	/	/	/	/	/	/	a	a
34	SHAMEER.K	/	/	/	/	/	/	a	a	/
35	ARUL KRISHNAN.V	/	/	/	/	/	/	/	/	/
36	ASWATHY	/	/	/	/	/	/	/	/	/
37	ASWINI FELCITA.S	/	/	/	/	/	/	/	/	/
38	ASWINI.S	/	/	/	/	/	/	/	/	/
39	BABU.S	/	/	/	/	/	/	/	/	/

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

40	DEVI.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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43	HANEEF AHMED	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44	HARIKRISHNAN.M	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/
45	JITHIN K MATHEW	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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49	MAHESH.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50	MANEESHA.K.J	/	/	/	/	/	/	a	a	/	/	/	/	/	/	/
51	MANISH MICHAEL	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
52	MARIA HADRIA.F	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
53	MERIN ANTONY	/	/	/	/	/	/	/	/	/	/	a	a	/	/	/
54	POOJA.V.M	/	/	/	/	a	a	/	/	/	/	/	/	/	/	/
55	PRAVINA.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
56	PRIYANKA.G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
57	RADHA KRISHNAN.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
58	RAMAKRISHNAN.U	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
59	RANJUSREE.P.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
60	RINCY.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
61	SABARINATH.M	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a
62	SNEHA MARIA SUNNY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
63	SOORYA KRISHNAN.U	/	/	/	/	/	/	/	/	a	a	/	/	/	/	/
64	SRUTHI.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
65	SRUTHY .C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
66	SRUTHY.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
67	SUBEE.A	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
68	SUNDAR.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
69	SUSMITHA XAVIER	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
70	VIJAYA KUMAR.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
71	ARUN.N.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
72	DINESH KUMAR.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
73	HARISH KUMAR.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
74	SHAFEER ALI.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
75	AIJAY VIJAYAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
76	RANI NITHYA PRIYA..V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Signature of HOD.

JCT College of Engineering and Technology

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore – 641 105

TÜV AUSTRIA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT ON SEVEN DAYS VALUE ADDED COURSE ON SOFTWARE TESTING

The Department of Computer Science and Engineering organized seven days value added course on "Software Testing" from 20th June 2015 to 27th June 2015 for the students of III year and IV year CSE.Mrs. Maria Roslin,Software Testing Trainer, Proprietor of JMJ InstituteforSoftware Training,Coimbatore was the resource person for the occasion. The program started with welcome address given by Mr. K.Sivakumar, Assistant Professor(Sr.G), Computer Science and Engineering.

The session started by introducing the importance and needs of software testing in IT field. The trainer highlighted the systems development lifecycle (SDLC), also referred to as the application development life-cycle which is used in systems engineering, information systems and software engineering to describe a process for planning, creating, testing, and deploying an information system. The systems development life-cycle concept applies to a range of hardware and software configurations, as a system can be composed of hardware only, software only, or a combination of both. She also concentrated on automation testing.Next day she started the session highlighting recovery scenarios that is to recover from unexpected events and errors that are occurred in the test environment during run session, we can use Recovery Scenario Manager. For good recovery, error must be known the occurrence is unknown. On third day she concentrated on configuring web driver in eclipse. She illustrated that by using practical classes. On forth day she illustrated various operations on web driver using practical classes which was very helpful for the students. On last day of the value added course she concluded by illustrating about J-meter and its operations. She highlighted Introduction, Components, Test Plan, Thread Groups and Workbench of J-meter.

The course was concluded with clarifying questions raised by students and students also gave feedback about the course.Vote of thanks given by Mr.K.Jason, Assistant Professor, Computer Science and Engineering.

HOD/CSE

PRINCIPAL

From,

Mr.Kalimuthu A,

ECE department,

JCT College of Engineering and Technology,

Pichanur, Coimbatore.

To,

The Principal,

JCT College of Engineering and Technology,

Pichanur, Coimbatore.

Respected Sir,

Subject: Regard the permission for conducting an Value Added Course

We had a plan to conduct a five days Value Added Course on LOW POWER VLSI with LIFTING ALGORITHM in 9th MARCH 2015 to 13th MARCH 2015. So my humble request you to grant me permission to conduct the Value Added Course.

Yours sincerely,

Mr. Mr.Kalimuthu A

AP/ECE

Date: 25/02/2015

Place: Pichanur

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From,

Mr. SATHEESH .

Ken vivo Communications India P Ltd

D Ground, KTVR Towers

Thadagam Road

GCT Post

Coimbatore – Tamilnadu.

To,

The principal

JCT College of Engineering and Technology

Coimbatore-641 105

Dear Sir,

Greetings from Ken vivo Communications India P Ltd;

First we would like thank you and the college management for giving us an opportunity to submit our quote to conduct a five days Value Added Course on LOW POWER VLSI with LIFTING ALGORITHM in 9th MARCH 2015 to 13th MARCH 2015.

Thanking you

Mr. Satheesh

Date: Coimbatore

Place: 28/02/2015

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 2.03.2015

We had a plan to conduct a five days Value Added Course on LOW POWER VLSI with LIFTING ALGORITHM in 9th MARCH 2015 to 13th MARCH 2015 in our department. So we kindly request all the students to participate in this Course and update your technical knowledge.

HOD

Principal

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JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE
DEPARTMENT ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE NAME: LOW POWER VLSI WITH LIFTING ALGORIYHM

ACCADEMIC YEAR : 2014-2015

COURSE SCHEDULE

DATE	SESSION	TOPIC
09/03/2015	SESSION-1	INTRODUCTION ABOUT VLSI CHIP
	SESSION-2	DCT MATRIX
10/03/2015	SESSION-3	PICO POWER TECHNOLOGY
	SESSION-4	TRANSPOSE ARCHITECTURE
11/03/2015	SESSION-5	MULTIPLE SIMULATION
	SESSION-6	JAVA SIMULATION
12/03/2015	SESSION-7	DESIGNING/PRACTICAL
	SESSION -8	PROGRAMMING/LAB
13/03/2015	SESSION-9	TEST
	SESSION-10	PROJECT

HOD

Design and Implementation of a High-Speed, Low-Power VLSI Chip for the DCT Transform

- Session 1:Introduction about VLSI Chip
- Session 2:basics about DCT Matrix
- Session 3:picoPower Technology
- Session 4: Transpose Architecture
- Session 5:Multiplier Simulation
- Session 6:Java simulation
- Session 7:How to combine with other technologies
- Session 8:Basic Programs

Back Ground

- The DCT application can have many purposes:
  - Filtering
  - Teleconferencing
  - high-definition television (HDTV)
  - speech coding, image coding
  - data compression, and more.

Back Ground

- All of these use DCT algorithm for compression and/or filtering purposes. The DCT has
  - energy packing capabilities
  - approaches the statistically optimal transform in de-correlating a signal.
  - It was implemented with discrete components in a chip.

Goal

•Implementation of a VLSI chip with:
-high speed
-low power
• compute the 2-D Discrete Cosine Transform (DCT) function of an 8 x 8 element matrix is presented.

Goal

- Save Power Consumption during Computing Operation in the chip:
  -Specially design multiplier with less computation.
  -Less switching
  -Simplify of the equations.
- High Speed Processing:
  - using pipeline technology.
  - Ignore zero's in the multiplier.

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Basic Formula

- Forward DCT:

$$F(u,v) = C(u)C(v)\left[\sum_{x=0}^{(N-1)}\sum_{y=0}^{(N-1)} f(x,y)\cos\frac{(2x+1)u\pi}{2N}\cos\frac{(2y-1)v\pi}{2N}\right]$$

- Inverse DCT:

$$f(x,y) = \left[\sum_{u=0}^{(N-1)}\sum_{v=0}^{(N-1)} C(u)C(v)F(u,v)\cos\frac{(2x+1)u\pi}{2N}\cos\frac{(2y-1)v\pi}{2N}\right]$$

Basic Formula

- C(u) = ,C(v) = for u,v = 0
- C(u) = ,C(v) = for u,v = 1
- through N-1
- N = 4, 8, or 16

1-D DCT Matrix

$$[F] = [C]*[X]$$

$$\begin{bmatrix} F(0)\\ F(1)\\ F(2)\\ F(3)\\ F(4)\\ F(5)\\ F(6)\\ F(7)\end{bmatrix} = \sqrt{\frac{1}{4}}\begin{bmatrix} c_4 & c_4 & c_4 & c_4 & c_4 & c_4 & c_4 & c_4\\ c_1 & c_3 & c_5 & c_7 & -c_7 & -c_5 & -c_3 & -c_1\\ c_2 & c_6 & -c_6 & -c_2 & -c_2 & -c_6 & c_6 & c_2\\ c_3 & -c_7 & -c_1 & -c_5 & c_5 & c_1 & c_7 & -c_3\\ c_4 & -c_4 & -c_4 & c_4 & c_4 & -c_4 & -c_4 & c_4\\ c_5 & -c_1 & c_7 & c_3 & -c_3 & -c_7 & c_1 & -c_5\\ c_6 & -c_2 & c_2 & -c_6 & -c_6 & c_2 & -c_2 & c_6\\ c_7 & -c_5 & c_3 & -c_1 & c_1 & -c_3 & c_5 & -c_7\end{bmatrix} * \begin{bmatrix} X(0)\\ X(1)\\ X(2)\\ X(3)\\ X(4)\\ X(5)\\ X(6)\\ X(7)\end{bmatrix}$$

Simplification:

$$\begin{bmatrix} Y(0)\\ Y(2)\\ Y(4)\\ Y(6)\\ Y(1)\\ Y(3)\\ Y(5)\\ Y(7)\end{bmatrix} = \frac{1}{\sqrt{4}}\begin{bmatrix} C_4 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\ 0 & C_6 & 0 & 0 & 0 & 0 & 0 & 0\\ 0 & 0 & C_4 & 0 & 0 & 0 & 0 & 0\\ 0 & 0 & 0 & C_2 & 0 & 0 & 0 & 0\\ 0 & 0 & 0 & 0 & C_1 & C_3 & C_5 & C_7\\ 0 & 0 & 0 & 0 & C_3 & -C_7 & -C_1 & -C_5\\ 0 & 0 & 0 & 0 & C_5 & -C_1 & C_7 & C_3\\ 0 & 0 & 0 & 0 & C_7 & -C_5 & C_3 & -C_1\end{bmatrix} \begin{bmatrix} X(0)+X(7)+X(3)+X(4)+X(2)+X(5)+X(6)+X(1)\\ X(0)+X(7)+X(3)+X(4)-X(2)-X(5)-X(6)-X(1)\\ X(0)+X(7)-X(3)-X(4)\\ X(0)+X(6)-X(2)-X(5)\\ X(0)-X(7)\\ X(0)-X(6)\\ X(2)-X(5)\\ X(3)-X(4)\end{bmatrix}$$

The following equations are derived from the matrix above

$$Y(7) = \frac{1}{2}[C_4(X(0)-X(7)) - C_6(X(1)-X(6)) + C_2(X(2)-X(5)) - C_6(X(3)-X(4))]$$
$$Y(5) = \frac{1}{2}[C_4(X(0)-X(7)) - C_6(X(1)-X(6)) - C_2(X(2)-X(5)) + C_6(X(3)-X(4))]$$
$$Y(3) = \frac{1}{2}[C_4(X(0)-X(7)) + C_6(X(1)-X(6)) + C_2(X(2)-X(5)) - C_6(X(3)-X(4))]$$
$$Y(1) = \frac{1}{2}[C_4(X(0)-X(7)) + C_6(X(1)-X(6)) - C_2(X(2)-X(5)) + C_6(X(3)-X(4))]$$
$$Y(6) = \frac{1}{2}[C_4(X(0)-X(7)+X(3)-X(4)) - C_6(X(1)-X(6)-X(2)-X(5))]$$
$$Y(4) = \frac{1}{2}[C_4(X(0)+X(7)+X(3)-X(4)-X(1)-X(2)-X(5)+X(6))]$$
$$Y(2) = \frac{1}{2}[C_6(X(0)+X(7)-X(3)-X(4)) + C_2(X(1)+X(6)-X(2)-X(5))]$$
$$Y(5) = \frac{1}{2}[C_2(X(0)+X(7)) - C_6(X(1)+X(6)) + C_6(X(2)+X(5)) + C_2(X(3)+X(4))]$$
$$F(0) = \frac{1}{2}[C_4(X(0)+X(1)+X(2)+X(3)+X(4)+X(5)+X(0)+X(7))]$$

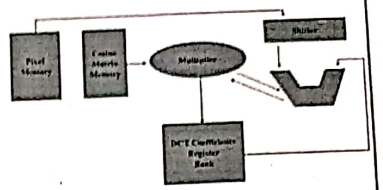
Simplified Equations

- Y(0) = c4[j + k+l+m]
- Y(2) = c2[j-k] + c6[m-l]
- Y(4) = -c4[j+k+l+m]
- Y(6) = c6[j-k] –c2[m-l]
- Y(1) = e + f + h + [c+c3-c5-c7]a
- Y(3) = e + g + I + [c1+c3+c5-c7]b
- Y(5) = e + g + h + [c1+c3-c5+c7]c
- Y(7) = e + f + I + [-c1+c3+c5-c7]d

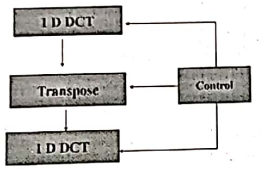
Simplified Equations

- a = x0–x7; b= x1-x6;
- c = x2–x5; d = x3-x4
- j = x0+x7; k = x1+x6;
- l = x2+x5; m= x3+x4
- e = c3[a+b+c+d]
- f=[c7-c3][a-d]
- g=[-c1-c3][b+c]
- h=[c5-c3][a+c]
- I=[-c5-c3][b+d]

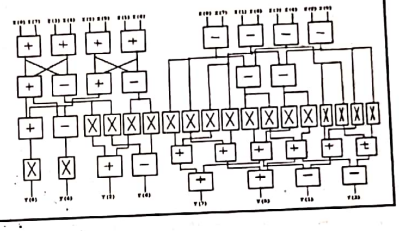
1D DCT Flow Chart



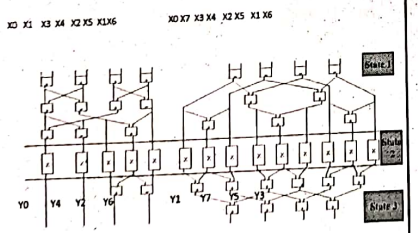
2D DCT Flow Chart



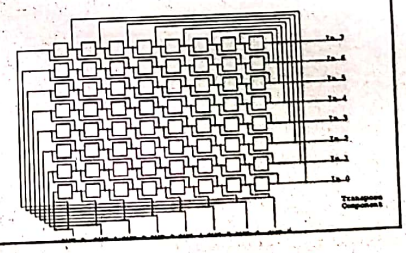
1-D DCT Architecture(First Version)



1-D DCT Architecture(Final Version)



Transpose Architecture



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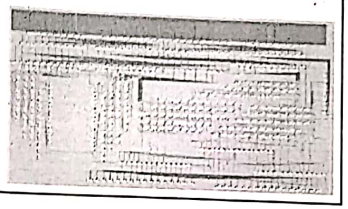
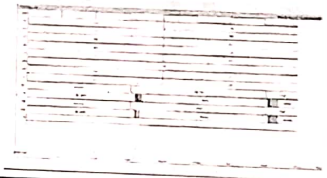
VLSI: 1D DCT Part Two



1 D DCT Part two Simulation



Java simulation

- Java Code:

```
public void transform() {
        g = new int[8][8];

        for ( int i = 0, i < 8, i++ ) {
                for ( int j = 0, j < 8, j++ ) {
                        double gr = 0.0;
                        for ( int x = 0, x < 8, x++ ) {
                                for ( int y = 0, y < 8, y++ ) {
double cg1 = (2.0*(double)x+1.0)*(double)i*Math.PI/16.0;
double cg2 = (2.0*(double)y+1.0)*(double)j*Math.PI/16.0;

                                gr += ((double)f[x][y]) * Math.cos(cg1) * Math.cos(cg2);
                                }
                        }
                        double ci = ((i==0)?1.0/Math.sqrt(2.0):1.0);
                        double cj = ((j==0)?1.0/Math.sqrt(2.0):1.0);
                        gr *= ci * cj * 0.25;
                        gf[i][j] = (int)Math.round(gr);
                }
        }
```

Simulation Result

INPUT MATRIX:

$$\begin{bmatrix} 48 & 123 & 89 & 175 & 234 & 56 & 78 & 190 \\ 1 & 5 & 67 & 2 & 98 & 3 & 125 & 7 \\ 67 & 89 & 155 & 43 & 27 & 89 & 0 & 129 \\ 57 & 23 & 51 & 93 & 187 & 67 & 189 & 1 \\ 178 & 45 & 39 & 52 & 12 & 78 & 49 & 90 \\ 48 & 56 & 120 & 87 & 65 & 34 & 167 & 203 \\ 23 & 32 & 44 & 45 & 47 & 23 & 90 & 89 \\ 54 & 67 & 90 & 128 & 235 & 50 & 190 & 210 \end{bmatrix}$$

Simulation Result

Output matrix after DCT:

$$\begin{bmatrix} 663 & -127 & -4 & -66 & 68 & 2 & -54 & 115 \\ -31 & 67 & -69 & 16 & -16 & -44 & 14 & -2 \\ 86 & -76 & -64 & -76 & 63 & -83 & -73 & 37 \\ 17 & -3 & 50 & -35 & 41 & 7 & -7 & -45 \\ 143 & -11 & -57 & 75 & 97 & -9 & -65 & 5 \\ 24 & -6 & -63 & -9 & 6 & -23 & -30 & -19 \\ 165 & -18 & 27 & -110 & 33 & -63 & 51 & -37 \\ -41 & 101 & 83 & -13 & 19 & -49 & 120 & -110 \end{bmatrix}$$

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COIMBATORE

LOW POWER VLSI WITH LIFTING ALGORITHM

S.NO	NAME
1	ARASAN M
2	ARVINTH KUMAR K
3	BAGAVATHI N
4	GEETHA K
5	AMRITHA KARUNAKARAN
6	JOHN ALLFIN A
7	SHANTHI.D
8	GEETHU M
9	HARIHARAN K
10	JULIN BESTINA A
11	MIDHU PRASAD M
12	ABIRAMI.V
13	ARJUN.V
14	KARTHIKA.N
15	MAHESHKUMAR.M
16	EBINAZER.D
17	MANIKANDAN.R
18	NIJIN NARAYAN.CN
19	PRABAKAR.V
20	A.ROSHANA
21	ASHIK.V
22	SANGEERANI.V
23	SRANOOJ RADHAKRISHNA
24	HARIKRISHNA.V
25	SIVASANKAR.E
26	AGASH C.
27	HARIHARAN K
28	SREEJI KRISHNA
29	SUNIL KUMAR
30	VELMURUGAN

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S.NO	NAME	3/3/15	3/3/15	3/3/15	9/3/15	9/3/15
1	ARASAN M	P	P	P	P	P
2	ARVINTH KUMAR E	P	P	P	P	P
3	BAGAVATHI N	P	P	P	P	P
4	GEETHA E	P	P	P	P	P
5	AMRITHA KARUNAKARAN	P	P	P	P	P
6	JOHN ALFIN A	P	P	P	P	P
7	SHANTHI D	P	P	P	P	P
8	GEETHU M	P	P	P	P	P
9	HARIHARAN K	P	AB	P	P	P
10	JUIN BESTINA A	P	P	P	P	P
11	MIDHU PRASAD M	P	P	P	P	P
12	ABRAM.V	P	P	P	P	AB
13	ARUN.V	P	P	P	P	P
14	KARTHIKA.N	P	P	P	P	P
15	MAHESHKUMAR.M	P	P	P	P	P
16	EBINAZER.D	P	P	P	P	P
17	MANIKANDAN.R	P	P	P	P	P
18	NIHN NARAYAN.CN	P	P	P	P	P
19	PRABAKAR.V	P	P	P	P	P
20	A.ROSHANA	P	P	P	P	P
21	ASHIK.V	P	AB	P	P	P
22	SANGEERANI.V	P	P	P	P	P
23	SRANOOJ RADHAKRISHNA	P	P	P	P	AB
24	HARIKRISHNA.V	P	P	P	P	P
25	SIVASANKAR.E	P	P	P	P	P
26	AGASH C.	P	P	P	P	P
27	HARIHARAN K	P	AB	P	P	P
28	SREEJI KRISHNA	P	P	AB	P	P
29	SUNIL KUMAR	P	P	P	P	P
30	VELMURUGAN	P	AB	P	P	P

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of completion

This is to certify that

MAHESH KUMAR . M

has successfully completed the Value added Course From 09.03.15 to 13.03.15 on topic **"LOW POWER VLSI WITH LIFTING ALGORITHM"** at JCT College of Engineering and Technology, Pichanur, Coimbatore,

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This is to certify that

KARTHIKA. N

has successfully completed the Value added Course From 09.03.15 to 13.03.15 on topic **"LOW POWER VLSI WITH LIFTING ALGORITHM"** at JCT College of Engineering and Technology, Pichanur, Coimbatore,

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Pichanur, Coimbatore-641105

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of completion

This is to certify that

MANIKANDAN. R

has successfully completed the Value added Course From 09.03.15 to 13.03.15 on topic **"LOW POWER VLSI WITH LIFTING ALGORITHM"** at JCT College of Engineering and Technology, Pichanur, Coimbatore,

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Pichanur, Coimbatore-641105

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Certificate of completion

This is to certify that

NITIN NARAYAN. CN

has successfully completed the Value added Course From 09.03.15 to 13.03.15 on topic **"LOW POWER VLSI WITH LIFTING ALGORITHM"** at JCT College of Engineering and Technology, Pichanur, Coimbatore,

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of completion

This is to certify that

PRABAKAR. V

has successfully completed the Value added Course From 09.03.15 to 13.03.15 on topic **"LOW POWER VLSI WITH LIFTING ALGORITHM"** at JCT College of Engineering and Technology, Pichanur, Coimbatore,

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FIVE DAYS VALUE ADDED COURSE ON LOW POWER VLSI WITH LIFTING ALGORITHM

VALUE ADDED COURSE FEED BACK FORM

Thank you for participating in our five days VALUE ADDED COURSE on LOW POWER VLSI WITH LIFTING ALGORITHM . We would greatly appreciate if you could assist us in planning for future conferences by completing the following questionnaire.

Q1: How you were satisfied with registration process?

A: dissatisfied B: satisfied ~~C: Fair~~ D: Good

Q2: How satisfied were you with speakers?

A: dissatisfied B: satisfied C: Fair ~~D: Good~~

Q3: How satisfied were you with Value added course facilities?

A: dissatisfied B: satisfied C: Fair ~~D: Good~~

Q4: Was the Value added course well organized?

A: dissatisfied B: satisfied C: Fair ~~D: Good~~

Q5: Were the Value added course staffs helpful?

~~A: Strongly agree~~ B: Agree C: Disagree D: Strongly disagree

Q6: Would you recommend this Value added course to others?

~~A: Yes~~ B: No

Q7: Did you feel the length of the Value added course sessions were:

A: Long ~~B: Just about right~~ C: No

Any Suggestion: —

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2014-15

JCT

College of Engineering and Technology

From

Head of the Department

Department of Petrochemical Engineering,

JCT College of Engineering and Technology,

Coimbatore - 641105.

To

The Principal

JCT College of Engineering and Technology,

Coimbatore - 641105.

Dear Sir,

Sub: Requesting for permission to conduct a Certification course-Reg;

We would like to bring to your kind notice that the department of Petroleum Engineering is conducting a value added course on on "Oil and Gas Offshore Saftey Engineering" from 22.12.2014 to 25.12.2014 (4 days) for **second year** students I request you to give permission for the above on suitable dates.

Thanking you

Yours Sincerely,

Dr.S. Venkatesa Prabhu

30.11.2018

Principal

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

DEPARTMENT OF PETROLEUM ENGINEERING

CIRCULAR

10.10.2014

Our Department is conducting a 4 day course on **"Oil and Gas Offshore Saftey Engineering"** from **22.12.2014 to 25.12.2014** (4 days) for **second year** students. The classes are taken by Dr S Venkatesa Prabhu of Petroleum Department. Interested students can contact your Class advisor for correspondence and more details.

Time: 9am to 4 pm

HOD-PE

Circulation to:

- II PE Class Room
- To be displayed on Notice Board.

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Pichanur, Coimbatore-641105

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OIL AND GAS OFFSHORE
SAFETY

S. VENKATESAPRABHU
DEPT OF PETROLEUM ENGINEERING
JCT COLLEGE OF TECHNOLOGY

TYPE OF COURSE : NEW, UG

DURATION: 4 days (22-25RD DEC 2014)

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE – 641105

DEPARTMENT OF PETROLEUM ENGINEERING

VALUE ADDED COURSE 2014-15

INTENDED AUDIENCE : B.E/B.Tech, Second Year Students

INDUSTRIES APPLICABLE TO: Oil and Petroleum Companies, Safety Executive Teams.

COURSE OUTLINE :

The course will give an overview of the safety issues encountered in the petroleum industry. It will provide detailed understanding of the methods and techniques to resolve these key issues for making petroleum production and processing, cleaner and safer. This course would educate the participants to identify and assess hazards in any stage of operation, to quantify and manage them as well. This course will also highlight lessons learnt from the past accidents.

COURSE PLAN :

- Hazard assessment
- Safety assurance, Safety in design and operations.
- Organizing for safety, Hazard classification and assessment.
- Hazard evaluation and control, HAZOP.
- Dose assessment, safety regulations, Toxic releases- models and methods.

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DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR CERTIFICATION COURSE

Academic year 2014-2015

Name of the Academy: JCT

Name of the Program: OIL AND GAD OFFSHORE SAFTEY

no	Student name	Student name
1	ABDUL KADHER K I	720913219001
2	ABHIJITH S	720913219002
3	ADHEEP N U	720913219003
4	AIMEN K M	720913219004
5	AMAL T	720913219007
6	ANANDHU R KRISHNA	720913219008
7	ANAND VIJAY KUMAR S	720913219009
8	ANTONY VINITH S L	720913219010
9	ARUN KUMAR .A	720913219011
10	ARVIND VIMALAN	720913219012
11	GANDHIRAJAN K	720913219014
12	HABEEB RAHMAN T.P	720913219015
13	HARIHARAN R	720913219016
14	HARISHEEKAR C	720913219017
15	HEMANAGESWAR K	720913219018
16	HENDO KURIAN	720913219019
17	HRISHIKESH E.V.G	720913219020
18	JACKS JOSE	720914219502
19	JEFFIN THOMAS	720913219022
20	JEYARAGHAV R S	720913219023
21	KARTHICK S	720913219024
22	KRISHNAMOORTHI R	720913219025
23	MANICKAVASAGAN S	720913219026
24	MEHROS MOHSIN P.V	720913219027
25	MOHAMED ALI BAGATH S	720913219028
26	MOHAMMED C	720913219029

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DEPARTMENT OF PETROLEUM ENGINEERING

27	MUHAMMED ANFAL E A	720913219030
28	MUHAMMED FAYIS BASHEER C.M	720913219031
29	NAVNEETHRAJESHKUMAR	720913219032
30	PRADHAP T	720913219033
31	R.PRASANNA VENKATESH	720913219034
32	V RAGUL	720913219035
33	RANJITH M	720913219036
34	RAVIKUMAR T	720913219037
35	SABARINATH E	720913219038
36	SALMAN.M.ISMAIL	720913219039
37	SARATH KUMAR S	720913219040
38	SHAJIN M.H	720913219041
39	SHATHYAN P	720913219042
40	SHIDEV K.D	720913219043
41	SRIKANTH S	720913219044
42	SUBIN U S	720913219045
43	SURYARAJ K	720913219046
44	VELMURUGAN S	720913219047
45	VIBHAKAR G	720913219048
46	VIGNESH A	720913219049
47	VINOD MEERAN	720913219050
48	SANKAR PANDI	720913219301
49	M. HARISH	720913219401

Signature of HOD.

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TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

ATTENDANCE SHEET FOR CERTIFICATION COURSE

Academic year 2014-2015

Name of the Academy: JCT

Name of the Program: OIL AND GAD OFFSHORE SAFTEY

no	Student name	22/12	23/12	24/12	25/12.
1	ABDUL KADHER K I	A	/	/	/
2	ABHIJITH S	/	/	/	/
3	ADHEEP N U	/	/	/	/
4	AIMEN K M	/	/	/	/
5	AMAL T	/	/	/	/
6	ANANDHU R KRISHNA	/	/	/	/
7	ANAND VIJAY KUMAR S	/	/	/	/
8	ANTONY VINITH S L	/	/	/	/
9	ARUN KUMAR .A	/	/	/	/
10	ARVIND VIMALAN	/	/	/	A
11	GANDHIRAJAN K	/	/	/	A
12	HABEEB RAHMAN T.P	/	/	/	/
13	HARIHARAN R	/	/	/	/
14	HARISHEEKAR C	/	/	/	/
15	HEMANAGESWAR K	/	/	/	/
16	HENDO KURIAN	/	/	/	/
17	HRISHIKESH E.V.G	/	/	/	/
18	JACKS JOSE	/	/	/	/
19	JEFFIN THOMAS	/	/	/	/
20	JEYARAGHAV R S	A	/	/	/
21	KARTHICK S	/	/	/	/
22	KRISHNAMOORTHI R	/	A	/	/
23	MANICKAVASAGAN S	/	/	/	/
24	MEHROS MOHSIN P.V	/	/	/	/
25	MOHAMED ALI BAGATH S	/	/	/	/
26	MOHAMMED C	/	/	/	/

PRINCIPAL
JCT College of [illegible]
Pichanur, Coimbatore-641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

TÜV AUSTRIA

DEPARTMENT OF PETROLEUM ENGINEERING

27	MUHAMMED ANFAL E A	/	/	/	/
28	MUHAMMED FAYIS BASHEER C.M	/	/	/	/
29	NAVNEETHRAJESHKUMAR	/	A	/	/
30	PRADHAP T	/	A	/	/
31	R.PRASANNA VENKATESH	/	A	/	/
32	V RAGUL	/	/	/	/
	RANJITH M	/	/	/	/
34	RAVIKUMAR T	/	/	/	/
35	SABARINATH E	/	/	/	/
36	SALMAN.M.ISMAIL	/	/	/	/
37	SARATH KUMAR S	/	/	/	/
38	SHAJIN M H	/	/	A	/
39	SHATHYAN P	/	/	A	/
40	SHIDEV K.D	/	/	/	/
41	SRIKANTH S	/	/	/	/
42	SUBIN U S	/	/	/	/
43	SURYARAJ K	/	/	/	/
44	VELMURUGAN S	/	/	/	/
45	VIBHAKAR G	/	/	/	/
46	VIGNESH A	/	/	/	/
47	VINOD MEERAN	/	/	/	/
48	SANKAR PANDI	/	/	/	/
49	M. HARISH	/	/	/	/

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Pichanur, Coimbatore-641105
Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABHIJITH S

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 22.12.2014 to 25.12.2014

HoD/PE

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Empowering Energy Awareness

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore-641105
Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ABDUL KADHER K I

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 22.12.2014 to 25.12.2014

HoD/PE

PRINCIPAL

Empowering Energy Awareness

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Pichanur, Coimbatore-641105
Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms ADHEEP N U

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 22.12.2014 to 25.12.2014

HoD/PE

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Pichanur, Coimbatore-641105
Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AIMEN K M

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 22.12.2014 to 25.12.2014

HoD/PE

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Pichanur, Coimbatore-641105
Department of Petroleum Engineering

TÜV AUSTRIA

CERTIFICATE OF COMPLETION

This is to certify that

Mr/Ms AMAL T

has successfully completed the 4 day Course on Oil And Gas Offshore Saftey from 22.12.2014 to 25.12.2014

HoD/PE

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR, COIMBATORE-641105
Department of Science And Humanities

04.07.2014

From

V. Suganya,
Association Coordinator,
Department of S & H,
JCT College of Engineering and Technology,
Coimbatore.

To

The Principal,
JCT College of Engineering and Technology,
Coimbatore.

Through

The Head of the Department /S & H,

Respected Sir,

Subject: Requisition for your kind approval to conduct an Course on "Career Development Course" at our campus-Reg.

The S&H Department has planned to conduct an Courses on "Career Development " for I year Students. The details about the program are given for your perusal and approval.

S.NO.	Name of the Event	Faculty Name	Organized by	Date
1	Career Development Course	Dr. M.S Balamurugan, The Head of the Department, Science and Humanities, JCT College of Engineering and Technology, Coimbatore	Department of S&H	10.08.14 11.08.14 12.08.14 13.08.14

Thanking you

Association Co-ordinator
[V. SUGANYA]

HOD
[DR. M.S BALA MURUGAN]

Principal
[Dr. G. Ramesh]

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641 105

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Pichanur, Coimbatore – 641 105

DEPARTMENT OF SCIENCE AND HUMANITIES

Circular

04.08.14

Our Department is willing to conduct a course on **"Career Development Course"** for our First Year students for 4 days. The details are given below. The students are instructed to attend the course without fail.

S.NO.	Name of the Event	Faculty Name	Organized by	Date
1	Career Development Course	Dr. M.S Balamurugan, The Head of the Dept. Department Of Science and Humanities , JCT College of Engineering and Technology, Coimbatore	Department of S&H	10.08.14 11.08.14 12.08.14 13.08.14

Association coordinator

HOD/ S &H

HOD-S & H
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641 105

To

Class Advisor and Tutors of I year students (To be read in the class room) and all the faculty members of S &H dept.

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PICHANUR, COIMBATORE-641105

Department of Science And Humanities

CAREER DEVELOPMENT COURSES SYLLABUS

Accessing the World of Work

- Developing resumes
- Writing cover letters
- Seeking job vacancies
- Successful interviewing

Understanding and Assisting Clients and Students

- Understanding theories of career development and career choice,
- Applying theories of career development and career choice
- Career considerations for diverse populations
- Selecting and implementing career interventions
- Role of assessment and appraisal in career interventions

Understanding the World of Work

- Role of work in America and Americans' live
- Locating and accessing occupational and career information
- Using occupational and career information
- Role of technology

Career Development Programs and Services Elementary school interventions

- Middle and junior high school interventions
- Secondary school interventions
- Post-secondary school interventions
- Community-based interventions

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE-641105

Department of Science And Humanities

TIME TABLE

(Academic year 2014-2015)

COURSE: CAREER DEVELOPMENT COURSES

Name of the trainer: DR. M.S BALA MURUGAN

DAY	9.10 am– 12.30am	12.30-1.20 PM	1.20 pm – 4.20 pm
10.08.14	Introduction of career development	LUNCH BREAK	Accessing the world to work
11.08.14	Understanding and assisting clients		Understanding and assisting students
12.08.14	Understanding the world to work		Elementary school interventions
13.08.14	Secondary school interventions		Review

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PICHNUR

Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course
I PCE

S.No	Reg. Number	Name of the student
1	720914139001	AADILSHA S
2	720914139002	AAKASH VENUGOPAL
3	720914139003	ABDUL HAKEEM R
4	720914139004	ABHIJITH K S
5	720914139010	AKHIL J
6	720914139011	AKHIL K S
7	720914139022	ANBARASAN V
8	720914139032	BABITTO JOY
9	720914139033	BALAMURUGAN B
10	720914139034	BALAMURUGAN R
11	720914139035	BASIL M Y
12	720914139041	DENNIS MATHEW B
13	720914139042	EBY STUVERT P
14	720914139043	EUGENELEONARD S
15	720914139044	FAKKRUDEEN ALI AHAMED A
16	720914139045	GLADSON R
17	720914139046	GNANA PRAKASAM J
18	720914139047	GODSON BABY
19	720914139048	GURUMANIDASAN R
20	720914139083	NIHAD.N
21	720914139084	PRAVIN.K
22	720914139085	PRINCE.V.P
23	720914139091	RIJAS.K.M
24	720914139092	RISHIGAUTHAM.K.M
25	720914139093	RISHIKESH CHANDRAN
26	720914139094	ROHAN JOHN KARIMPIL
27	720914139095	ROHIT KRISHNAN
28	720914139096	ROSHAN JADHAV
29	720914139097	SAJAN.P

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PICHANUR

Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course
I PE

S.No	Reg. Number	Name of the student
1	720914219001	AJIN SCARIA MATHEW
2	720914219002	AJITH U
3	720914219013	BALASUBRAMANIYAN.K
4	720914219014	CLINTON JOY.M
5	720914219015	DAINGEL.T.D
6	720914219016	DEEPAK.R
7	720914219017	EAPPEN B PALAMATTOM
8	720914219018	EBIN MOSES.J
9	720914219019	FLAWEN JEO MATHEW
10	720914219020	GOPI KRISHNA.A
11	720914219021	HARISANKAR SREEKUMAR
12	720914219022	JITHIN JOSEPH
13	720914219023	JITHU.S
14	720914219024	JOBI.C.M
15	720914219025	KARTHIK.A
16	720914219030	KUBERAN.S
17	720914219031	MAHESWARAN.M
18	720914219032	MANOJ.T
19	720914219033	MOHAMED ASHARDEEN.S
20	720914219034	MOHAMED MIRAHUSSAIN.J
21	720914219035	MOHAMED SHAKIT K
22	720914219041	NAVEENKARC.S
23	720914219042	NISHANTHKUMAR.M
24	720914219043	PRADEEPAN.S
25	720914219044	PRAVEEN.M.P
26	720914219045	RAHUL.S
27	720914219046	RAMEES.V.M
28	720914219047	RANJITH.D
29	720914219048	RISHIKESAN.S
30	720914219049	SAINATH.V

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I AUTO		
S.No	Reg. Number	Name of the student
1	720914102001	ALBERT ANTO
2	720914102002	ANEESH C
3	720914102003	ANTONY VIJAY.A
4	720914102004	ANTO TENSON
5	720914102005	ARUN KRISHNA.M.K
6	720914102006	ASHIK
7	720914102007	BINU BRISTON.J.C
8	720914102008	BONEYNATH.A
9	720914102009	HILLER.M
10	720914102010	JAYA GANESH.N
11	720914102011	JISHNU.K.K
12	720914102012	JOSE JOHN
13	720914102013	MOHAMED ASHIQ
14	720914102014	MOHAMMED THANZEER.K.A
15	720914102015	MOHAMMED ASFAR.K
16	720914102016	NAGA PRAVEEN.V
17	720914102017	NAVEEN KUMAR.S
18	720914102018	PRANAV.P
19	720914102019	PRINCE PAUL
20	720914102020	RAHUL.P.S
21	720914102021	ROHITH KUMAR V.M
22	720914102022	VISHNU VIJAYAN
23	720914102023	VIVEK THOMAS

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I ECE

S.No	Reg. Number	Name of the student
1	720914106001	ABDUL FARIS A
2	720914106002	AISWANI UNNI
3	720914106003	AKSHAY M
4	720914106004	AMAL RAJ K B
5	720914106005	ANEESH T M
6	720914106006	ANI MOL T M
7	720914106007	ASFAL M.A
8	720914106008	ASHA NELLY G
9	720914106009	ASHIFA A
10	720914106010	DEEPIKA R
11	720914106011	GOKILA P
12	720914106012	JITHIN K HARIDAS
13	720914106013	JOSE PAUL
14	720914106014	MANIKANDAN S
15	720914106015	MOHANA PRIYA N
16	720914106016	NIDHILA K
17	720914106017	PRAJITHA P K
18	720914106018	SAGAR R
19	720914106019	SARANYA S
20	720914106020	SARATH C
21	720914106021	SARATH GOPI
22	720914106022	SIVARAJ T
23	720914106023	SRUTHY S
24	720914106024	SUBITH K B

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I MECH

S.No	Reg. Number	Name of the student
1	720914114001	AADHIL M
2	720914114002	ABHIJITH A T
3	720914114003	AJAY KUMAR M S
4	720914114015	ASHLIN C V
5	720914114016	ASHRAF N A
6	720914114017	ASHWIN ARUN
7	720914114018	AZHAGUMADASAMY M
8	720914114019	BALA SATHISHKUMAR P
9	720914114020	BALU K
10	720914114021	BASKAR S
11	720914114022	BENCIN C BENNY
12	720914114023	BINTO C BENNY
13	720914114024	CHANDRA MOHAN R
14	720914114025	CHINGITH R
15	720914114026	DINESH KUMAR G
16	720914114027	DINESH KUMAR J
17	720914114028	DINESH KUMAR K
18	720914114029	DONALD TITUS P
19	720914114030	ELDHOSE BABY
20	720914114031	GANESAN K
21	720914114036	GOWTHAM C
22	720914114037	HALLOHESH POULOSE
23	720914114038	HASHIR ALI K
24	720914114039	HRUTHWIN M
25	720914114040	JAYARAM S
26	720914114041	JESTIN M JOHN
27	720914114042	JEWEL ANTO
28	720914114047	KRISHNAMOORTHY G
29	720914114048	KUGAN T
30	720914114049	LENIN A A

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course
I EEE

S.No	Reg. Number	Name of the student
1	720914105001	ANILKUMAR.K
2	720914105002	ARUN.A.S
3	720914105003	DHANESH.B
4	720914105004	FAISAL A A
5	720914105005	GOPAKUMAR.A.V
7	720916105007	KRISHNAKUMAR S
8	720916105008	MIDHUN CHANDRAN
9	720916105009	RAHUL R
10	720916105010	RAMESH P
11	720916105011	REKSY. R.K
12	720916105012	RISHIKESH K
13	720916105013	SALMANUL MEDAR CU
14	720916105014	SATHEESH KUMAR.A
15	720916105015	SHERIN.M.D
16	720916105016	SOORAJ.R
17	720916105017	SUHAIL. MK
18	720916105018	SUJITH.S
19	720916105019	VAYSHAG S
20	720916105020	VINOJ.V
21	720916105021	VIPIN C
22	720916105022	VIVEENA

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I CIVIL		
S.No	Reg. Number	Name of the student
1	720914103001	AJITH KUMAR.R
2	720914103002	ANISH JABARAJ.A
3	720914103003	ANSKAR J
4	720914103004	ARUN KUMAR.S
5	720914103005	ARUN KUMAR.V
6	720914103006	DANESH.S
7	720914103007	DEVIPRIYA.M
8	720914103008	HARISHESHAN.U
9	720914103009	KALAIMANI.M
10	720914103010	MANIKANDAN.K
11	720914103011	MOHAMED MOOSA
12	720914103012	MOHAMED THAMIMUL ANSARI.S
13	720914103013	MOHAMMED ASLAM
14	720914103014	MOHAMMED MOOSA.S
15	720914103015	MOHAMMED MUBASHEER.K
16	720914103016	MOHAMMED NIYAS.V.P
17	720914103017	PRABAVATHI.M
18	720914103018	PRASEELA PRASANTH
19	720914103019	RAGUNATH.M
20	720914103020	RAJAMANI.R
21	720914103021	RAMEEZ.K
22	720914103022	REEVIE CIBRIYAN .J
23	720914103023	SAYUJ.S
24	720914103024	SELVENDIRAN.S
25	720914103025	SHINOJ.S
26	720914103026	SHYAM PRAKASH.S
27	720914103027	SILAMBARASAN.S
28	720914103028	SMITH KELVIN.S
29	720914103029	SUSMITHA LAKSHMI.M
30	720914103030	SUTHESH.H

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I CSE

S.No	Reg. Number	Name of the student
1	720914104001	AKSHAY MENON
2	720914104002	ANEESH T
3	720914104003	ANJITHA J
4	720914104004	ARUL JOTHY K
5	720914104005	ARUN S
6	720914104006	ARUN KUMAR R
7	720914104007	ASRITHA A
8	720914104008	AYISHA Y
9	720914104009	BABU R
10	720914104010	BALASUBRAMANIAN K
11	720914104011	CHITRA B
12	720914104012	DEVA A
13	720914104013	ELSAMARIYA PA
14	720914104014	IMRAN BASHA N
15	720914104015	JAYAPRAKASH J
16	720914104016	MANIKANDAN K
17	720914104017	MANJUSHA P M
18	720914104018	MANOJ M
19	720914104019	MOHAMMAED THOUFEEK G
20	720914104020	NASEEM BACKER
21	720914104021	NIMISHA K
22	720914104022	NISAM SHAKIR KA
23	720914104023	RAHUL R
24	720914104024	REMO B GEORGE
25	720914104025	RIFANA A
26	720914104026	ROHITH G
27	720914104027	SILPA S
28	720914104028	SNEHA P S
29	720914104029	SUBISHA P V
30	720914104030	SUSEELA S

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PICHANUR

Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

PCE

S.No	Reg. Number	Name of the student	10.08.14	11.08.14	12.08.14	13.08.14
1	720914139001	AADILSHA S	/	/	/	/
2	720914139002	AAKASH VENUGOPAL	/	/	/	/
3	720914139003	ABDUL HAKEEM R	a	/	/	/
4	720914139004	ABHIJITH K S	/	/	a	/
5	720914139010	AKHIL J	/	/	/	/
6	720914139011	AKHIL K S	/	/	/	/
7	720914139022	ANBARASAN V	/	a	/	/
8	720914139032	BABITTO JOY	/	/	/	/
9	720914139033	BALAMURUGAN B	/	/	/	a
10	720914139034	BALAMURUGAN R	/	/	/	/
11	720914139035	BASIL M Y	/	/	/	/
12	720914139041	DENNIS MATHEW B	/	/	/	/
13	720914139042	EBY STUVERT P	/	/	/	/
14	720914139043	EUGENELEONARD S	/	/	/	/
15	720914139044	FAKKRUDEEN ALI AHAMED A	/	a	/	/
16	720914139045	GLADSON R	a	/	a	/
17	720914139046	GNANA PRAKASAM J	/	/	/	/
18	720914139047	GODSON BABY	/	/	/	/
19	720914139048	GURUMANIDASAN R	/	/	/	/
20	720914139083	NIHAD.N	/	/	/	a
21	720914139084	PRAVIN.K	/	/	/	/
22	720914139085	PRINCE.V.P	/	/	/	/
23	720914139091	RIJAS.K.M	/	/	/	/
24	720914139092	RISHIGAUTHAM.K.M	/	a	/	/
25	720914139093	RISHIKESH CHANDRAN	/	/	/	/
26	720914139094	ROHAN JOHN KARIMPIL	/	/	a	/
27	720914139095	ROHIT KRISHNAN	a	/	/	/
28	720914139096	ROSHAN JADHAV	/	/	/	/
29	720914139097	SAJAN.P	/	/	/	/

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PICHANUR

Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I PE

S.No	Reg. Number	Name of the student	10.08.14	11.08.14	12.08.14	13.08.14
1	720914219001	AJIN SCARIA MATHEW	/	/	/	/
2	720914219002	AJITH U	/	/	/	/
3	720914219013	BALASUBRAMANIYAN.K	a	/	a	/
4	720914219014	CLINTON JOY.M	/	a	/	/
5	720914219015	DAINGEL.T.D	/	/	/	/
6	720914219016	DEEPAK.R	/	/	/	/
7	720914219017	EAPPEN B PALAMATTOM	/	/	/	/
8	720914219018	EBIN MOSES.J	/	/	/	/
9	720914219019	FLAWEN JEO MATHEW	/	/	/	/
10	720914219020	GOPI KRISHNA.A	/	/	/	a
11	720914219021	HARISANKAR SREEKUMAR	/	/	/	/
12	720914219022	JITHIN JOSEPH	/	/	a	/
13	720914219023	JITHU.S	/	/	/	/
14	720914219024	JOBI.C.M	/	a	/	/
15	720914219025	KARTHIK.A	/	/	/	/
16	720914219030	KUBERAN.S	/	/	/	/
17	720914219031	MAHESWARAN.M	/	/	/	/
18	720914219032	MANOJ.T	/	/	/	/
19	720914219033	MOHAMED ASHARDEEN.S	/	/	/	/
20	720914219034	MOHAMED MIRAHUSSAIN.J	/	/	/	/
21	720914219035	MOHAMED SHAKIT K	a	/	/	a
22	720914219041	NAVEENKARC.S	/	/	/	/
23	720914219042	NISHANTHKUMAR.M	/	/	a	/
24	720914219043	PRADEEPAN.S	/	/	/	/
25	720914219044	PRAVEEN.M.P	/	a	/	/
26	720914219045	RAHUL.S	/	/	/	/
27	720914219046	RAMEES.V.M	/	/	/	/
28	720914219047	RANJITH.D	/	/	/	/
29	720914219048	RISHIKESAN.S	/	/	/	/
30	720914219049	SAINATH.V	/	a	/	/

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PICHANUR

Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I AUTO

S.No	Reg. Number	Name of the student	10.08.14	11.08.14	12.08.14	13.08.14
1	720914102001	ALBERT ANTO	/	/	/	/
2	720914102002	ANEESH C	/	/	a	/
3	720914102003	ANTONY VIJAY.A	/	a	/	/
4	720914102004	ANTO TENSON	a	/	/	/
5	720914102005	ARUN KRISHNA.M.K	/	/	/	/
6	720914102006	ASHIK	/	/	/	/
7	720914102007	BINU BRISTON.J.C	/	/	/	/
8	720914102008	BONEYNATH.A	/	/	/	a
9	720914102009	HILLER.M	/	/	/	/
10	720914102010	JAYA GANESH.N	/	/	/	/
11	720914102011	JISHNU.K.K	/	/	/	/
12	720914102012	JOSE JOHN	/	/	a	/
13	720914102013	MOHAMED ASHIQ	/	a	/	/
14	720914102014	MOHAMMED THANZEER.K.A	/	/	/	/
15	720914102015	MOHAMMED ASFAR.K	/	/	/	/
16	720914102016	NAGA PRAVEEN.V	a	/	/	/
17	720914102017	NAVEEN KUMAR.S	/	/	/	a
18	720914102018	PRANAV.P	/	/	/	/
19	720914102019	PRINCE PAUL	/	/	/	/
20	720914102020	RAHUL.P.S	/	/	/	/
21	720914102021	ROHITH KUMAR V.M	/	/	/	/
22	720914102022	VISHNU VIJAYAN	/	a	a	/
23	720914102023	VIVEK THOMAS	/	/	/	/

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I ECE

S.No	Reg. Number	Name of the student	10.08.14	11.08.14	12.08.14	13.08.14
1	720914106001	ABDUL FARIS A	/	/	/	/
2	720914106002	AISWANI UNNI	/	a	a	/
3	720914106003	AKSHAY M	/	/	/	/
4	720914106004	AMAL RAJ K B	/	/	/	/
5	720914106005	ANEESH T M	a	/	/	/
6	720914106006	ANI MOL T M	/	/	/	/
7	720914106007	ASFAL M.A	/	/	/	/
8	720914106008	ASHA NELLY G	/	/	/	a
9	720914106009	ASHIFA A	/	a	/	/
10	720914106010	DEEPIKA R	/	/	/	/
11	720914106011	GOKILA P	/	/	/	/
12	720914106012	JITHIN K HARIDAS	/	/	a	/
13	720914106013	JOSE PAUL	/	/	/	/
14	720914106014	MANIKANDAN S	/	/	/	/
15	720914106015	MOHANA PRIYA N	/	/	/	/
16	720914106016	NIDHILA K	/	/	/	/
17	720914106017	PRAJITHA P K	/	/	/	/
18	720914106018	SAGAR R	/	a	/	/
19	720914106019	SARANYA S	/	/	/	/
20	720914106020	SARATH C	a	/	a	/
21	720914106021	SARATH GOPI	/	/	/	/
22	720914106022	SIVARAJ T	/	/	/	/
23	720914106023	SRUTHY S	/	/	/	/
24	720914106024	SUBITH K B	/	a	/	a

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Attendance for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I MECH

S.No	Reg. Number	Name of the student	10.08.14	11.08.14	12.08.14	13.08.14
1	720914114001	AADHIL M	/	a	/	/
2	720914114002	ABHIJITH A T	/	/	/	/
3	720914114003	AJAY KUMAR M S	/	/	a	/
4	720914114015	ASHLIN C V	/	/	/	/
5	720914114016	ASHRAF N A	/	/	/	/
6	720914114017	ASHWIN ARUN	a	/	/	/
7	720914114018	AZHAGUMADASAMY M	/	/	/	a
8	720914114019	BALA SATHISHKUMAR P	/	/	/	/
9	720914114020	BALU K	/	/	/	/
10	720914114021	BASKAR S	/	/	/	/
11	720914114022	BENCIN C BENNY	/	/	/	/
12	720914114023	BINTO C BENNY	/	a	/	/
13	720914114024	CHANDRA MOHAN R	/	/	/	/
14	720914114025	CHINGITH R	/	/	/	/
15	720914114026	DINESH KUMAR G	/	/	/	/
16	720914114027	DINESH KUMAR J	/	/	/	/
17	720914114028	DINESH KUMAR K	/	/	a	/
18	720914114029	DONALD TITUS P	/	/	/	/
19	720914114030	ELDHOSE BABY	/	/	/	/
20	720914114031	GANESAN K	/	/	/	/
21	720914114036	GOWTHAM C	a	/	/	a
22	720914114037	HALLOHESH POULOSE	/	/	/	/
23	720914114038	HASHIR ALI K	/	/	/	/
24	720914114039	HRUTHWIN M	/	a	/	/
25	720914114040	JAYARAM S	/	/	/	/
26	720914114041	JESTIN M JOHN	/	/	/	/
27	720914114042	JEWEL ANTO	/	/	a	/
28	720914114047	KRISHNAMOORTHY G	/	/	/	/
29	720914114048	KUGAN T	/	/	/	/
30	720914114049	LENIN A A	/	/	/	/

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I EEE

S.No	Reg. Number	Name of the student	10.08.14	11.08.14	12.08.14	13.08.14
1	720914105001	ANILKUMAR.K	/	/	/	/
2	720914105002	ARUN.A.S	/	a	/	/
3	720914105003	DHANESH.B	/	/	a	/
4	720914105004	FAISAL A A	/	/	/	/
5	720914105005	GOPAKUMAR.A.V	a	/	/	/
7	720916105007	KRISHNAKUMAR S	/	/	/	a
8	720916105008	MIDHUN CHANDRAN	/	/	/	/
9	720916105009	RAHUL R	/	/	/	/
10	720916105010	RAMESH P	/	/	/	/
11	720916105011	REKSY. R.K	/	/	/	/
12	720916105012	RISHIKESH K	/	/	/	/
13	720916105013	SALMANUL MEDAR CU	/	/	/	/
14	720916105014	SATHEESH KUMAR.A	/	/	/	/
15	720916105015	SHERIN.M.D	/	a	/	/
16	720916105016	SOORAJ.R	/	/	a	/
17	720916105017	SUHAIL. MK	/	/	/	/
18	720916105018	SUJITH.S	/	/	/	/
19	720916105019	VAYSHAG S	/	/	/	a
20	720916105020	VINOJ.V	/	/	/	/
21	720916105021	VIPIN C	/	/	/	/
22	720916105022	VIVEENA	/	/	/	/

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Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I CIVIL

S.No	Reg. Number	Name of the student	10.08.14	11.08.14	12.08.14	13.08.14
1	720914103001	AJITH KUMAR.R	/	/	/	/
2	720914103002	ANISH JABARAJ.A	/	/	/	/
3	720914103003	ANSKAR J	/	/	a	/
4	720914103004	ARUN KUMAR.S	/	/	/	/
5	720914103005	ARUN KUMAR.V	/	a	/	/
6	720914103006	DANESH.S	/	/	/	/
7	720914103007	DEVIPRIYA.M	a	/	/	a
8	720914103008	HARISHESHAN.U	/	/	/	/
9	720914103009	KALAIMANI.M	/	/	/	/
10	720914103010	MANIKANDAN.K	/	/	a	/
11	720914103011	MOHAMED MOOSA	/	/	/	/
12	720914103012	MOHAMED THAMIMUL ANSARI.S	/	/	/	/
13	720914103013	MOHAMMED ASLAM	/	/	/	/
14	720914103014	MOHAMMED MOOSA.S	/	/	/	/
15	720914103015	MOHAMMED MUBASHEER.K	/	/	/	/
16	720914103016	MOHAMMED NIYAS.V.P	/	/	/	/
17	720914103017	PRABAVATHI.M	/	/	/	/
18	720914103018	PRASEELA PRASANTH	/	a	a	/
19	720914103019	RAGUNATH.M	a	/	/	/
20	720914103020	RAJAMANI.R	/	/	/	/
21	720914103021	RAMEEZ.K	/	/	/	/
22	720914103022	REEVIE CIBRIYAN .J	/	/	/	a
23	720914103023	SAYUJ.S	/	/	/	/
24	720914103024	SELVENDIRAN.S	/	/	/	/
25	720914103025	SHINOJ.S	/	/	/	/
26	720914103026	SHYAM PRAKASH.S	/	/	a	/
27	720914103027	SILAMBARASAN.S	/	/	/	/
28	720914103028	SMITH KELVIN.S	/	a	/	/
29	720914103029	SUSMITHA LAKSHMI.M	/	/	/	/
30	720914103030	SUTHESH.H	/	/	/	/

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
PICHANUR

Attendence for Career Development Course
Academic year 2014-2015

Name of the Trainer:Dr. M.S Bala murugan
Name of the Program: Career Development Course

I CSE

S.No	Reg. Number	Name of the student	10.08.14	11.08.14	12.08.14	13.08.14
1	720914104001	AKSHAY MENON	/	/	/	/
2	720914104002	ANEESH T	/	/	/	/
3	720914104003	ANJITHA J	/	a	a	/
4	720914104004	ARUL JOTHY K	/	/	/	/
5	720914104005	ARUN S	/	/	/	/
6	720914104006	ARUN KUMAR R	/	/	/	/
7	720914104007	ASRITHA A	/	/	/	/
8	720914104008	AYISHA Y	/	/	/	/
9	720914104009	BABU R	/	/	/	/
10	720914104010	BALASUBRAMANIAN K	/	/	/	/
11	720914104011	CHITRA B	/	/	/	a
12	720914104012	DEVA A	a	/	/	/
13	720914104013	ELSAMARIYA PA	/	a	a	/
14	720914104014	IMRAN BASHA N	/	/	/	/
15	720914104015	JAYAPRAKASH J	/	/	/	/
16	720914104016	MANIKANDAN K	/	/	/	/
17	720914104017	MANJUSHA P M	/	/	/	/
18	720914104018	MANOJ M	/	/	/	/
19	720914104019	MOHAMMAED THOUFEEK G	/	a	/	/
20	720914104020	NASEEM BACKER	/	/	/	/
21	720914104021	NIMISHA K	a	/	a	/
22	720914104022	NISAM SHAKIR KA	/	/	/	/
23	720914104023	RAHUL R	/	/	/	a
24	720914104024	REMO B GEORGE	/	/	/	/
25	720914104025	RIFANA A	/	/	/	/
26	720914104026	ROHITH G	/	a	/	/
27	720914104027	SILPA S	/	/	a	/
28	720914104028	SNEHA P S	/	/	/	/
29	720914104029	SUBISHA P V	/	/	/	/
30	720914104030	SUSEELA S	/	/	/	/

Signature of the HOD

JCT

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms AKHIL J (I B.E PCE)

has successfully completed the Course **"CAREER DEVELOPMENT COURSE"** on 10.08.14 to 13.08.14

for 4 days.

HOD/ S&H

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Pichanur, Coimbatore - 641 105

CBE-105

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Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms ASHIFA.A (I B.E. ECE)

has successfully completed the Course **"CAREER DEVELOPMENT COURSE"** on 10.08.14 to 13.08.14

for 4 days.

HOD/ S&H

HOD-S & H
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Pichanur, Coimbatore - 641 105

COE-105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms BABU R (I B.E CSE)

has successfully completed the Course **"CAREER DEVELOPMENT COURSE"** on 10.08.14 to 13.08.14

for 4 days.

HOD/ S&H

HOD-S & H
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Pichanur, Coimbatore - 641105

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Pichanur, Coimbatore - 641105

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Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms SAINATH. V - (I B.Tech PE)

has successfully completed the Course **"CAREER DEVELOPMENT COURSE"** on 10.08.14 to 13.08.14

for 4 days.

HOD/ S&H

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Pichanur, Coimbatore-641105

Department of Science and Humanities

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms JAYA GANESH. N - (I. B.E. AUTO)

has successfully completed the Course **"CAREER DEVELOPMENT COURSE"** on 10.08.14 to 13.08.14

for 4 days.

HOD/ S&H

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Pichanur, Coimbatore - 64...

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Pichanur, Coimbatore - 641105

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

Student Feedback

Name of the Student: BINOJ SEBASTIAN Sex (M/F): M

Department: I year (CSE) E-mail Binojsebastian24@gmail.com

Address: JCT college, Cbe mobile 8012499662

Students are required to rate the courses

Name of the Trainer: Mr. Balamurugan

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher		✓		
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses			✓	
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback			✓	
10. Overall rating		✓		

Binoj Sebastian

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE 641 105

Department of Computer Science and Engineering

Student Feedback

Name of the Student: JOSE PAUL Sex (M/F): M

Department: Mech E-mail JOSE.PAUL.151@gmail.com

Address: JCT CBE mobile 6381573088

Students are required to rate the courses

Name of the Trainer: Mr. BALA MURUGAN M.S

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)			✓	
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issues, to provide a broader perspective		✓		
6. Ability to integrate content with other courses			✓	
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course			✓	
9. Provision of sufficient time for feedback		✓		
10. Overall rating			✓	

Jose Paul

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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE

Approval letter

From

Date: 22/08/2014

The Head of the Department,
Department of Electrical and ElectronicsEngineering,
JCT College of Engineering and Technology,
Coimbatore-641105 ,

To

The Principal,
JCT college of Engineering and Technology,
Pichanur , Coimbatore .

Respected sir,

Subject: Approval for the Value Added course "P-SPICE"-reg

We are planned to conduct the following Value Added course for the EEE students

S.N	NAME OF THE EVENT	MONTH OF THE EVENT
1	LABVIEW	December2014
2	P-SPICE	February 2015

Kindly give the permission to conduct course on that month. This course not included in the Anna university syllabus.

PRINCIPAL
JCT College of Engineering & Technology
Pichanur, Coimbatore - 641105

HOD-EEE

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PICHANUR, COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE ON P-SPICE(ACADEMIC YEAR 2014-2015) TEST QUESTIONS (15*2=30 MARKS)

STUDENT NAME: M.KARTHICK DATE: 2014-15

28/30

1.A small signal analysis in frequency domain is termed as

a)DC analysis (b)AC analysis c) DC transfer curve analysis d)Noise analysis

2. General purpose, open source analog electronic simulator is known as

a)MATLAB (b)SPICEc)PROTEUS d)C++

3. SPICE ver.3 written in C language uses

a)no list syntaxb)single list syntax(c)net list syntaxd)branch list syntax

4.In SPICE, non linear quiescent point calculation is termed as

(a)DC analysisb)AC analysisc)DC transfer curve analysisd)Noise analysis

5.Statement which bypass initial DC operating point analysis is

a)OPb)OPTC)TRANd)TTRAN

6.First commercial version of SPICE is

a)PSPICE(b)ISPICEc)TSPICEd)LSPICE

7.Fortran were used in SPICE ver.2 for

a)frequency analysisb)frequency step analysis(c)time transient analysis, , d)frequency transient analysis

8. Components which can often be estimated more occurring using SPICE simulator is

(a)parasitic componentsb)non parasitic componentsc)resistive components

9.BIA program did only

a)small signal analysis(b)BJT circuit operating point analysisc)MOS circuit operating point analysis

10.In SPICE, AC analysis is a linear modified

(a)nodal analysisb)mesh analysisc)branch analysisNorton analysis

11. In statement '.TRAN 1ns 100ns UIC .OP 20ns', UIC is

a)variableb)string(c)parameterd)ASCI value

12. In SPICE, linear small signal calculation in frequency domain rather than time domain is termed as

a)DC analysis(b)AC analysisc)DC transfer curve analysisd)Noise analysis

13.In SPICE, a sequence of nonlinear operating points calculated while sweeping an input voltage or current, or a circuit parameter is termed as

a)DC analysisb)AC analysis(c)DC transfer curve analysisd)Noise analysis

14.SPICE ver.3 written in C language uses

(a)no list syntaxb)single list syntaxc)net list syntaxd)branch list syntax

15. Statement used to store an estimate of DC operating point during transient analysis is

a)OPb)OPT(c)TRANd)TTRAN

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PICHANUR, COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE ON P-SPICE(ACADEMIC YEAR 2014-2015) TEST QUESTIONS (15*2=30 MARKS)

STUDENT NAME: VANISREE. R DATE:

30

1.A small signal analysis in frequency domain is termed as

a)DC analysis b)AC analysis c) DC transfer curve analysis d)Noise analysis

2. General purpose, open source analog electronic simulator is known as

a)MATLAB , b)SPICEc)PROTEUS d)C++

3. SPICE ver.3 written in C language uses

a)no list syntaxb)single list syntaxc)net list syntaxd)branch list syntax

4.In SPICE, non linear quiescent point calculation is termed as

a)DC analysisb)AC analysisc)DC transfer curve analysisd)Noise analysis

5.Statement which bypass initial DC operating point analysis is

a)OPb)OPTc)TRANd)TTRAN

6.First commercial version of SPICE is

a)PSPICEb)ISPICEc)TSPICEd)LSPICE

7.Fortran were used in SPICE ver.2 for

a)frequency analysisb)frequency step analysisc)time transient analysis, , d)frequency transient analysis

8. Components which can often be estimated more occurring using SPICE simulator is

a)parasitic componentsb)non parasitic componentsc)resistive components

9.BIA program did only

a)small signal analysisb)BJT circuit operating point analysisc)MOS circuit operating point analysis

10.In SPICE, AC analysis is a linear modified

a)nodal analysisb)mesh analysisc)branch analysisNorton analysis

11. In statement '.TRAN 1ns 100ns UIC .OP 20ns', UIC is

a)variableb)stringc)parameterd)ASCI value

12. In SPICE, linear small signal calculation in frequency domain rather than time domain is termed as

a)DC analysisb)AC analysisc)DC transfer curve analysisd)Noise analysis

13.In SPICE, a sequence of nonlinear operating points calculated while sweeping an input voltage or current, or a circuit parameter is termed as

a)DC analysisb)AC analysisc)DC transfer curve analysisd)Noise analysis

14.SPICE ver.3 written in C language uses

a)no list syntaxb)single list syntaxc)net list syntaxd)branch list syntax

15. Statement used to store an estimate of DC operating point during transient analysis is

a)OPb)OPTc)TRANd)TTRAN

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PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

30

STUDENT NAME :	IRSHAD. M
DATE :	**Course on "LabView"**

Objective type Questions

1.	Numeric controls are different from numeric indicators because they have a background and . a. White, Labels b. Grey, Labels c. White, Increment/Decrement Buttons d. Grey, Increment/Decrement Buttons
2.	To switch between the front panel and block diagram, select Window >> Show Block Diagram/Front Panel, or simply press . a. Ctrl-E b. Ctrl-Z c. Ctrl-Shift-Y d. Ctrl-B
3.	To copy an item on the front panel or block diagram, press <Ctrl-C> and then <Ctrl-V>, or simply hold and click and drag and drop the item. a. Shift b. Altl c. Ctrl-Shift d. Ctrl
4.	When placing a *new* function, control, indicator, or constant, the feature wires the terminals together if placed within close enough proximity. a. Block Diagram Cleanup b. Automatic Error Handling c. Automatic Wiring d. Retain Wire Values
5.	The chooses the best tool based on where the mouse pointer is placed in the LabVIEW environment. a. Wiring Tool b. General Tool c. Automatic Tool Selector d. Operate Tool
6.	The is typically used during run time to change the value of a control. a. Operate Tool b. Automatic Tool Selector c. Select Tool d. Shortcut Menu Tool
7.	----------any object in the LabVIEW environment provides quick access to most of the properties that can be changed. a. Left-Clicking b. Right-Clicking c. Selecting d. Ctrl-Clicking
8.	To find a quick description of an object in the LabVIEW environment, simply turn on by pressing and hovering over the object. a. Detailed Help, Ctrl-I b. Context Help, Ctrl-U c. Context Help, Ctrl-H d. LabVIEW Help, Ctrl-Z
9.	A indicates that the VI is *broken* or not executable. a. Broken Run Arrow b. Run Arrow c. Wiring Diagram d. VI Icon
10.	For Loops have auto-index output tunnels, which automatically create of data at the tunnel. a. Arrays b. Containers c. Graphs d. Clusters

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PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT NAME :	D/NO.5
DATE :	Course on "LabView"

Objective type Questions

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PICHANUR,COIMBATORE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT NAME :	Praveen. P
DATE :	Course on "LabView"

Objective type Questions

1.	Numeric controls are different from numeric indicators because they have a background and . a. White, Labels b. Grey, Labels c. White, Increment/Decrement Buttons d. Grey, Increment/Decrement Buttons
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JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 10-12-2014

Dear Students,

This is to inform you that nine days course on **"LAB View"** is organized by our department from 15-12-2014 to 24-12-2014 in the Computer Lab-3. The chief guest of ProSim Pvt.Ltd, Certified Instructor, Bangaluru will grant the training. All the students are instructed to attend and get benefited.

Circulation: 1.III Year EEE

2. IV Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
3. Department Notice Board

LabVIEW Syllabus

Introduction of LabVIEW:

- ✓ LabVIEW Environment : Definition
- ✓ Necessity of LabVIEW
- ✓ Definitions of VI
- ✓ LabVIEW benefits
- ✓ Programming and Execution methods
- ✓ Introductions of 3rd party interfaces and toolkits

Designing the Software:

- ✓ How to start up the Vis
- ✓ Front panel designing and working environment
- ✓ Definitions of Control and Indicators
- ✓ Types of Control and Indicators
- ✓ Explanations of Controls Palette
- ✓ Explanations Block Diagram and its working
- ✓ Terminals
- ✓ Functional Platte
- ✓ Status Bar or Window tool bar

Basic Programming:

- ✓ How to use Numerical functions
- ✓ Designing of Boolean operations
- ✓ Comparator applications
- ✓ Exercises in basic programming

Designing of Sub Programs:

- ✓ Need of SubVI
- ✓ What is SubVI
- ✓ How to use the Connector Pane with terminals
- ✓ Various types in SubVI plots

Programming Loops:

- ✓ About For loops
- ✓ How to use Shift registers
- ✓ While loop designing
- ✓ Flat Sequences

- ✓ Applications based on Loops

Structures:

- ✓ Case Structure : Definition and designing method
- ✓ Event Structure : Definition and designing method
- ✓ Working models in structures

Data Handling:

- ✓ Introduction of String, Arrays and Clusters
- ✓ Working with string functions
- ✓ About arrays and designing
- ✓ How to do clustering in Vis
- ✓ Differentiations between Waveform charts and Waveform Graphs
- ✓ Acquire and use the system files based on File I/O functions
- ✓ Report Generations in various files such as MS excel, TDMS, LVM files

External Interfaces:

- ✓ MAX and VISA explanations
- ✓ GPIB communications
- ✓ Serial communications and interfacing methods
- ✓ LabVIEW instrumentation drivers

Data Acquisitions Process and Instrument Control based on Embedded Controllers:

- ✓ Acquiring the real time digital data to the LabVIEW User interface
- ✓ Controlling the LED operations
- ✓ Acquiring of real time analog sensor values
- ✓ Controlling the Motors
- ✓ Create most interaction Vis

Projects:

- ✓ Process of temperature control
- ✓ Process of Lightning system control

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PICHANUR, COIMBATORE - 641105
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course on "LAB View on 15-12-2014 to 24-12-2014

STUDENTS ATTENDANCE

S.NO	REG NUMBER	NAME OF THE STUDENT	DEC 2014				
			15	16	17	18	19
1.	720912105008	DIVYA P					
2.	720912105009	GOKUL G					
3.	720912105010	IRSHAD M					
4.	720912105011	KRISHNAKUMAR R					
5.	720912105012	MANIMARAN.M					
6.	720912105013	MANOJ R					
7.	720912105014	NISHAD N					
8.	720912105015	NIVIN PETER					
9.	720912105016	RAHUL R					
10.	720912105022	SENTHILKUMAR G					
11.	720912105023	SHAFEEK.S					
12.	720912105024	SHAMEER.A					
13.	720912105025	SHIBILIY RAHIMAN.V					

14.	720912105026	SREERAJ NAIR.K					
15.	720912105027	STEJO GEORGE					
16.	720912105028	SUDHEESH S					a
17.	720912105029	SUKHIN.K.S					
18.	720912105030	VANISREE R					
19.	720912105031	VISHNU PRASAD.S					
20.	720912105301	AHAMED AMEEN.A		a			
21.	720912105302	ALAGU KANNAN.R					
22.	720912105303	ARUN BABY					
23.	720912105304	ATHUL DAVIS KONIKKARA					
24.	720912105305	BINOY.P.SATHYAN					
25.	720912105306	DINO AJ					
26.	720912105307	JAISON.C.J					
27.	720912105308	NIRMAL GANESH.D					
28.	720912105309	PRIYA S					
29.	720912105310	RAVICHANDHIRAN.R					
30.	720912105311	SAIFUDHEEN.P					
31.	720911105008	BARONA.K.A					
32.	720911105009	DERSAK.S					
33.	720911105010	DIPIN.P					
34.	720911105013	KARTHICK.M					

35.	720911105014	KRISHNAPRASAD.P					A
36.	720911105015	MAHESWARAN.K					
37.	720911105016	MUHAMMED ASHIQ.P.A					
38.	720911105017	PRAJITH.P		A			
39.	720911105018	PRANAV.P					
40.	720911105019	PRASANTH.S					
41.	720911105021	RANJITH.R	A				
42.	720911105022	SASIREKHA.M				A.	
43.	720911105023	SIYABUDHEEN.J					
44.	720911105024	SOSHYA.C					
45.	720911105307	KARTHIKEYAN.R	A				
46.	720911105315	SAJITH.S					
47.	720911105316	SHALIN.G.DEEPAK			A		
48.	720911105318	SUBHAMANGAI.C					

HOD-EEE

Course on "LAB View on 15-12-2014 to 24-12-2014

STUDENTS ATTENDANCE

S.NO	REG NUMBER	NAME OF THE STUDENT	DEC 2014			
			20	22	23	24
1.	720912105008	DIVYA P	/	/	/	/
2.	720912105009	GOKUL G	/	A	/	/
3.	720912105010	IRSHAD M	/	/	/	/
4.	720912105011	KRISHNAKUMAR R	A	/	/	/
5.	720912105012	MANIMARAN.M	/	/	/	A
6.	720912105013	MANOJ R	/	/	/	/
7.	720912105014	NISHAD N	A	/	/	/
8.	720912105015	NIVIN PETER	/	/	/	/
9.	720912105016	RAHUL R	/	/	/	/
10.	720912105022	SENTHILKUMAR G	/	/	A	/
11.	720912105023	SHAFEEK.S	/	/	/	/
12.	720912105024	SHAMEER.A	/	A	/	/

13.	720912105025	SHIBILIY RAHIMAN.V				
14.	720912105026	SREERAJ NAIR.K		A		
15.	720912105027	STEJO GEORGE				
16.	720912105028	SUDHEESH S				
17.	720912105029	SUKHIN.K.S		A		
18.	720912105030	VANISREE R				
19.	720912105031	VISHNU PRASAD.S				
20.	720912105301	AHAMED AMEEN.A	A			
21.	720912105302	ALAGU KANNAN.R				
22.	720912105303	ARUN BABY				A
23.	720912105304	ATHUL DAVIS KONIKKARA				
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30.	720912105311	SAIFUDHEEN.P		A		
31.	720911105008	BARONA.K.A				
32.	720911105009	DERSAK.S			A	
33.	720911105010	DIPIN.P				

34.	720911105013	KARTHICK.M				
35.	720911105014	KRISHNAPRASAD.P			A	
36.	720911105015	MAHESWARAN.K				
37.	720911105016	MUHAMMED ASHIQ.P.A				
38.	720911105017	PRAJITH.P		A		
39.	720911105018	PRANAV.P				
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41.	720911105021	RANJITH.R				
42.	720911105022	SASIREKHA.M				A
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44.	720911105024	SOSHYA.C	A			
45.	720911105307	KARTHIKEYAN.R				
46.	720911105315	SAJITH.S				
47.	720911105316	SHALIN.G.DEEPAK				
48.	720911105318	SUBHAMANGAI.C			A	

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engineering your designs

ProSIM R&D Pvt. Ltd.

B-378/1, Ring Road, 1st Stage, Peenya, Bengaluru – 560058, India

COURSE CERTIFICATE

This is to certify that **DIPIN.P** has successfully completed 9 days course on **"LAB View"** from 15-12-2014 to 24-12-2014 at **JCT College of Engineering and Technology, Coimbatore .**

Best Wishes for all success

Training Cell

Technical Director

ProSIM

engineering your designs

ProSIM R&D Pvt. Ltd.

B-378/1, Ring Road, 1st Stage, Peenya, Bengaluru – 560058, India

COURSE CERTIFICATE

This is to certify that **ABIJITH.A** has successfully completed 9 days course on **"LAB View"** from 15-12-2014 to 24-12-2014 at **JCT College of Engineering and Technology, Coimbatore .**

Best Wishes for all success

Training Cell

Technical Director

JCT **JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	PRIYA.S , SOSHYA.C
Topic Name	:	LAB view
Name of the Industry/Training Institute	:	PROSIM R&D PVT. Ltd. Bengaluru
Date	:	24/12/2014.

1.Did you find the course useful?

- o Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- o No

3.Did you find the Activity useful?

- ✓ Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- o 10
- ✓ 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- ✓ Very good
- o Good

(PRIYA.S)

Signature of the Student

JCT **JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	SOSHYA.C
Topic Name	:	lab view
Name of the Industry/Training Institute	:	Prosim R&D Pvt. Ltd. Bengaluru.
Date	:	24/12/2014

1.Did you find the course useful?

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- ○ Useful

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- ○ Very good
- ○ Good

C.Soshya (SOSHYA.C)

Signature of the Student

JCT

JCT College of Engineering and Technology
Pichanur, Coimbatore - 641 105

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 24-01-2015

Dear Students,

This is to inform you that 8 days course on ""**P-SPICE**" is organized by our department on 02-02-2015 to 10-02-2015 in the Computer Lab-3. The chief guest of Horizon Technologies, Coimbatore will grant the training. All the students are instructed to attend and get benefited.

Circulation: 1.IV Year EEE

HOD-EEE

Copy to:

1. Chairman/ /Secretary/Principal
2. All HOD's.
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TUV SUD

Course on "P-SPICE" on 02-02-2015 to 10-02-2015

STUDENTS ATTENDANCE

S.NO	REG NUMBER	NAME OF THE STUDENT	February 2015				
			02	03	04	05	06
1.	720911105001	ABINAND.G	/	/	/	/	/
2.	720911105002	AJITH.K.T	/	/	/	/	/
3.	720911105003	AJITH.S	/	/	/	/	/
4.	720911105004	AKASH.K	/	/	/	/	/
5.	720911105005	AKSHAYA KUMAR.C	/	/	/	/	/
6.	720911105006	ANDRAN PRAVEEN.B	/	/	/	/	/
7.	720911105007	ARUNLAL	/	/	/	/	/
8.	720911105009	DERSAK.S	/	/	/	/	/
9.	720911105010	DIPIN.P	A	/	/	/	/
10.	720911105013	KARTHICK.M	/	/	/	/	/
11.	720911105014	KRISHNAPRASAD.P	/	/	/	/	/
12.	720911105015	MAHESWARAN.K	/	/	/	/	/
13.	720911105017	PRAJITH.P	/	/	/	/	/

14.	720911105018	PRANAV.P	/	/	/	/	/
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18.	720911105023	SIYABUDHEEN.J	/	/	/	/	/
19.	720911105024	SOSHYA.C	/	/	/	/	/
20.	720911105025	SREEJITH.S	/	/	/	/	/
21.	720911105026	STEBIN SAJU.P	/	/	/	/	/
22.	720911105027	THANSEERA.S	/	/	/	/	/
23.	720911105028	VADIVEL MURUGAN.B	/	/	/	/	/
24.	720911105029	VIJESH.K.C	/	/	/	/	/
25.	720911105302	BALACHANDAR.P	/	/	/	/	/
26.	720911105303	BIJU.V.B	/	/	/	/	/
27.	720911105304	DHANASEKARAN.A	/	A	/	/	/
28.	720911105305	GOPU NARAYANAN.T.V	/	/	/	/	/
29.	720911105306	HARIDAS.R	/	/	/	/	/
30.	720911105307	KARTHIKEYAN.R	/	/	/	/	/
31.	720911105309	MANOHARAN.M	/	/	/	/	/
32.	720911105310	MANOJ KUMAR.E	/	/	/	/	/
33.	720911105311	NITHIN.B	/	/	/	/	/
34.	720911105312	PARTHIBAN.P	/	/	/	/	/

35.	720911105313	RAMARAJ.R	/	/	/	/	/
36.	720911105316	SHALIN.G.DEEPAK	/	/	/	A	/
37.	720911105318	SUBHAMANGAI.C	/	/	/	/	/
38.	720911105320	VINOTHKUMAR.R	/	/	/	/	/

Course on "P-SPICE" on 02-02-2015 to 10-02-2015

STUDENTS ATTENDANCE

S.NO	REG NUMBER	NAME OF THE STUDENT	February 2015		
			07	09	10
1.	720911105001	ABINAND.G	/	/	/
2.	720911105002	AJITH.K.T	/	/	/
3.	720911105003	AJITH.S	/	/	/
4.	720911105004	AKASH.K	/	/	/
5.	720911105005	AKSHAYA KUMAR.C	/	/	/
6.	720911105006	ANDRAN PRAVEEN.B	/	/	/
7.	720911105007	ARUNLAL	/	/	/
8.	720911105009	DERSAK.S	/	/	/
9.	720911105010	DIPIN.P	/	/	/
10.	720911105013	KARTHICK.M	/	/	/
11.	720911105014	KRISHNAPRASAD.P	/	/	/

12.	720911105015	MAHESWARAN.K	/	/	/
13.	720911105017	PRAJITH.P	/	/	/
14.	720911105018	PRANAV.P		/	/
15.	720911105019	PRASANTH.S	/	/	/
16.	720911105021	RANJITH.R	/	/	/
17.	720911105022	SASIREKHA.M	/	/	/
18.	720911105023	SIYABUDHEEN.J	/	/	/
19.	720911105024	SOSHYA.C	/	/	/
20.	720911105025	SREEJITH.S	/	/	/
21.	720911105026	STEBIN SAJU.P	/	/	/
22.	720911105027	THANSEERA.S	/	/	/
23.	720911105028	VADIVEL MURUGAN.B	/	/	/
24.	720911105029	VIJESH.K.C	/	/	/
25.	720911105302	BALACHANDAR.P	/	/	/
26.	720911105303	BIJU.V.B	/	/	/
27.	720911105304	DHANASEKARAN.A	/	/	/
28.	720911105305	GOPU NARAYANAN.T.V	/	/	/
29.	720911105306	HARIDAS.R	/	/	/
30.	720911105307	KARTHIKEYAN.R	/	/	/
31.	720911105309	MANOHARAN.M	/	/	/
32.	720911105310	MANOJ KUMAR.E	/	/	/

33.	720911105311	NITHIN.B	/	/	/
34.	720911105312	PARTHIBAN.P	/	/	/
35.	720911105313	RAMARAJ.R	/	/	/
36.	720911105316	SHALIN.G.DEEPAK	/	/	/
37.	720911105318	SUBHAMANGAI.C	/	/	/
38.	720911105320	VINOTHKUMAR.R	/	/	/

HOD-EEE

SYLLABUS

Introduction to Pspice®

1. Objectives

The learning objectives for this laboratory are to give the students a brief introduction to using Pspice® as a tool to analyze circuits and also to demonstrate the use of a small signal model as an example of a dependent source. The latter is done by constructing a simple voltage follower circuit using a transistor to amplify an input current.

2. Background

The Simulation Program with Integrated Circuit Emphasis (SPICE) was developed in the Department of Electrical Engineering and Computer Science at the University of California at Berkeley. SPICE is capable of performing DC, AC, or transient analysis. It was originally designed to analyze a circuit that was solely defined by a series of statements that constituted a "Net list". With the advent of personal computers, the graphical user interface of the program evolved into its current state (The 'P' in PSpice® comes from **P**ersonal Computer). In the current environment, users can also enter circuit diagrams in a schematic layout (once simulated a netlist is still generated). This latter technique will be utilized in this and subsequent labs for the purpose of simulating and analyzing circuits.

In addition to this lab, the student version of PSpice® is available on the computers in MWAH 102 and is also available to download on-line (see the course syllabus for directions). For the remainder of this lab "Pspice®" will refer to the student version of the program.

3. Prelab

Calculate V_x and I_x in Circuits 0 and 1 (Figures 1 & 4). **Record the values in Table 1.**

4. Procedure

4.1. Equipment

- PSpice® on Personal Computer
- Agilent E3631A DC Power Supply
- Fluke 8050A Digital MultiMeter (DMM)
- (2) 1 kΩ Resistors
- (1) 2N2222 Transistor

4.2. Pspice® Tutorial

PSpice® is a window-based program and can be accessed from the program menu under the grouping of "PSpice Student." Since we will be using the schematic entry option, open this up first (called "Schematics" in the program grouping).

As an example, we will construct the circuit shown in Figure 1.

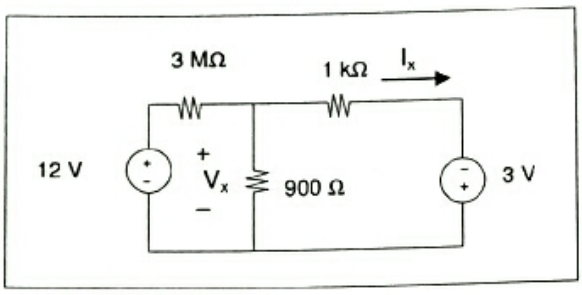

Figure 1: Example (Circuit 0)

To construct the circuit shown, you will need to:

1. Insert each part,
2. Assign the appropriate value, and
3. Connect the parts by drawing wires.

4.2.1. Inserting and Manipulating Parts

Parts can be inserted by clicking on the "Get New Part ..." option under the "Draw" menu (you can alternately use [Cntl + G] as a shortcut or click on the button with a gate and set of binoculars). For now, all parts that we will need should be listed in the "Part Browser Basic" window that subsequently pops up. For the parts in Figure 1, you will need to choose (by highlighting) the appropriate part and then clicking on the "Place & Close" button. A list of commonly used parts is listed in Figure 2.

GND_EARTH	Ground
R	Resistors
C	Capacitors
L	Inductors
VDC	DC Power Source
VAC	AC Power Source

Figure 2: Commonly Used Parts and Their Library Abbreviations

To place a part, simply drag the cursor to the desired area of the schematic and then left click. The program allows you to place multiple instances of the same part with subsequent left clicks. When you have finished placing all the desired instances of a particular part, clicking the right mouse button will allow you to return to the selection cursor (white arrow). Another command that will be useful when drawing schematics is the "Rotate" command which can be found in the "Edit" menu or by using the shortcut [Cntl + r]. First select the part (the program will highlight it in red), and then use the "Rotate" command.

then pressing the adjacent voltage (V, lines and a dot) and current (I and an arrow with a line) buttons.

The last step in the tutorial is to change the precision of the labels that have just been presented. To do this click on the "Display Results on Schematic" option in the "Analysis" menu. This should bring up a set of suboptions to the right, from which you will need to select "Display Options...". For subsequent results, you will need to display four (4) significant digits.

One last helpful hint is to take note of the pull-down menu about 2/3 of the way to the right on the tool bar. This menu contains recently added parts and can speed up the process of entering them.

4.3. Additional Circuits in PSpice®

In order to practice the procedure in the tutorial section, construct and simulate Circuits 1, 2, and 3 shown in Figures 4, 5, and 6. In order to do so, you will also need to use a current source (IDC), a current-controlled voltage source (H), and a current-controlled current source (F). Make sure to adjust the gain of each dependent source to the appropriate value by double-clicking on the part and changing the attribute. Record the values of V_x and I_x for each of the circuits in Table 1 (did your prelab values match the simulated values for Circuit 1?). **Have your lab instructor sign** that you correctly measured the voltage and current in one of these circuits (it does not matter which one).

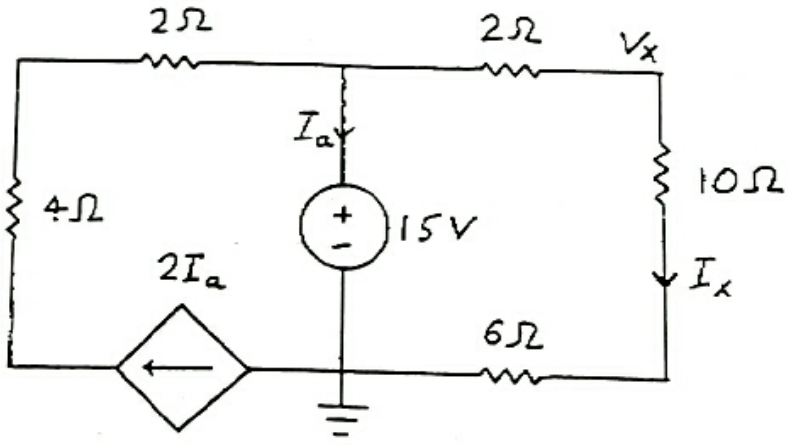

Figure 4: Cirucit 1

Once you have entered the two voltage sources and 3 resistors into your schematic, you will need to modify the default values. This can be done directly by double-clicking on the value or by double-clicking on the part and then selecting the attribute from the subsequent list. When changing the value, you will need to use the appropriate suffix. The list of parameter suffixes that PSpice® recognizes is listed in Figure 3. It is important to note that **PSpice® is not case sensitive**. This means that 'Meg' = 'MEG' = 'meg'.

Tera	'T'	10^{12}
Giga	'G'	10^{9}
Mega	'Meg'	10^{6}
Kilo	'K'	10^{3}
Milli	'M'	10^{-3}
Micro	'U'	10^{-6}
Nano	'N'	10^{-9}
Pico	'P'	10^{-12}
Femto	'F'	10-15

Figure 3: Parameter Suffixes

In addition to the above steps, you will need to connect your components by drawing wires. This can be done by choosing "Wire" under the "Draw" menu or by using the shortcut [Cntl + w]. To connect two points, simply click on one point and then the other. If the wire needs to contain more than one 90 degree angle, you can click on a point in the grid and the program will bend the wire there and allow you to continue stretching it in a new direction. To exit the mode, again use the right-click of the mouse.

4.2.2. Simulating and Analyzing Voltages and Currents

Next you should save your schematic (*.sch). After saving, you can then simulate your circuit(s) by choosing "Simulate" under the "Analysis" menu or by pressing F11 (the program will prompt you to save the schematic if you have not already done so). At this point, the program should give you an error. This occurs because the circuit is not yet grounded (it is good to make note of the error for future reference as this is a common mistake). To fix the error, insert the part called GND_Earth.

The circuit should now successfully simulate (and will pop up the A/D window). Make sure you are in the schematic window and look in the upper right portion of the tool bar. There should be 'V' and an 'I' button that will display the voltage at all nodes (in green) and the currents through all elements (in blue). You should be able to now click on each green or blue marker individually and see a dashed line indicating what node/element the measurement is assigned to. It is important to **note the direction of the current** when selecting the blue measurements. You can also toggle currents and voltages on/off at individual points in your circuit by selecting them with your cursor and

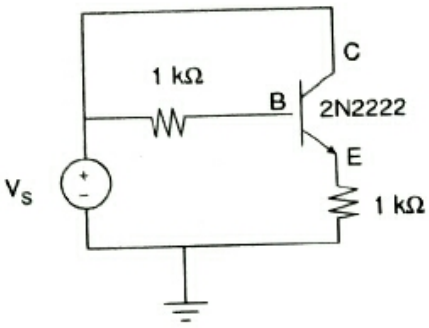

Figure 7: Voltage Follower



Figure 8: 2N2222 Pin Diagram [3]

Important: **Have your lab instructor verify your connection before energizing your circuit**. For a voltage source of 2 V, 4 V, and 6V, measure the voltage (with respect to ground) and current at the base of the transistor. Also measure the voltage at the emitter (with respect to ground) and the current at the collector of the transistor. *Record these values in Table 2 and have your lab instructor sign* that you measured them.

4.4.2. Circuit with 2N2222 Part

Next, construct the same circuit (Figure 7) in PSpice®. In order to accomplish this, you will need to insert the transistor symbol, which is Q2N2222. Set the voltage source to 2V, simulate and record the values for voltage and current at the base, the voltage at the emitter, and the current at the collector in Table 2. Repeat the simulation for 4V and 6V. **Save this file or a screenshot of one of the instances to include in your report.**

4.4.3. Circuit with Small Signal Model

Bipolar Junction Transistors can also be modeled by an independent voltage source across the B-E terminal coupled with a current-controlled current source (CCCS) between the collector and emitter. This model is shown in the context of the original circuit in Figure 9 (note that this is a simplified model that only roughly approximates the behavior for small signals). Construct this circuit in PSpice®. Set the voltage of V_{BE} to 0.7 V and the gain of the CCCS to 160. Simulate your circuit for a 2V, 4V, and 6V source and record the values for the voltage and current at the base, the voltage at the emitter, and the current at the collector in Table 2. **Save this file or a screenshot of one of the instances to include in your report.**

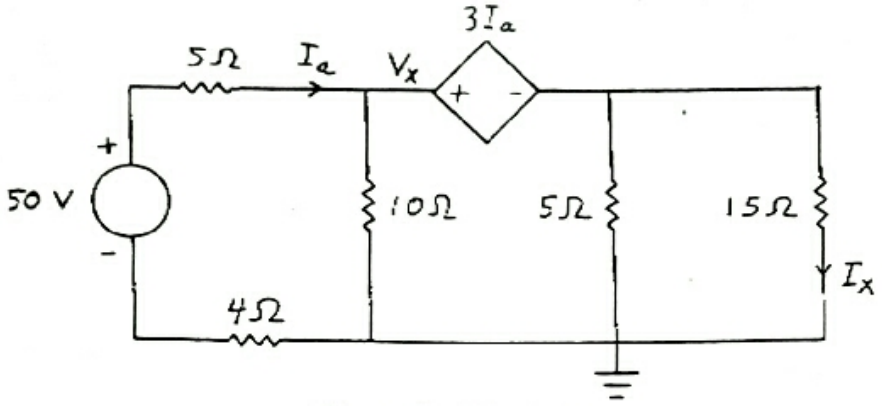

Figure 5: Cicuit 2

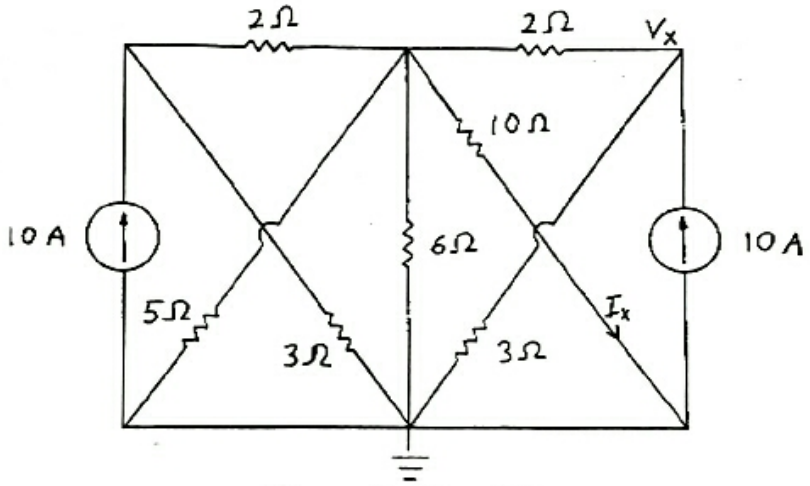

Figure 6: Circuit 3

4.4. Voltage Follower

For the last portion of this lab, you will construct a voltage follower circuit (so named because the output voltage is equal to—i.e. "follows" the input voltage) that uses a transistor to amplify the current and then model the circuit in PSpice® using the actual transistor part and also a small circuit model of it. The usefulness of such a circuit is that it allows a device with a lower current (and therefore less power) to drive a device that requires higher current (more power)—one example of this would be when using a microcontroller to power a motor.

4.4.1. Physical Circuit

The first step is to construct the voltage follower circuit shown in Figure 7. In this figure, C, B, and E, refer to the collector, base, and emitter of the transistor, respectively. The ordering of these pins can be found in Figure 8. For the source voltage, connect banana-plug-to-alligator-clip leads from the DC power supply to the other nodes of your circuit.

Table 1: V_x and I_x Calculations for Figures 1 Through 3

Circuit	V_x (Volts)	I_x (Amps)
0 (PRELAB)		
1 (PRELAB)		
2		
3		

Signature for Prelab – Circuit 0 and 1 _____

Table 2: Calculations and Measurements for Voltage Follower Circuit

Circuit	V_B (Volts)	I_B (Amps)	V_E (Volts)	I_C (Amps)
Physical Voltage Follower				
2V				
4V				
6V				
PSpice® with 2N2222				
2V				
4V				
6V				
PSpice® with Controlled Sources				
2V				
4V				
6V				

Signature for 4.3. – Circuit 1, 2, or 3 _____

Signature for 4.4.1. – Physical Voltage Follower _____

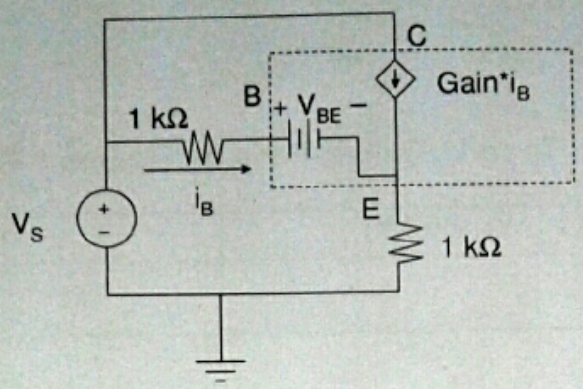

Figure 9: Approximation of Transistor

5. Housekeeping

- Erase your files from the hard disk of the computer (if applicable).
- Return all parts to their appropriate bins.

6. Conclusions & Questions

This concludes Lab 3. If time permits, you are encouraged to explore other functionalities of Pspice®.

In addition to attaching the last page of this lab (with your calculations, measurements, and signatures) and the PSpice® diagrams from subsetions 4.4.2 and 4.4.3, please answer the following questions in your lab report. Make sure to **numerically justify your answers where possible**.

1. What is the percent difference between the measured values for the voltage follower circuit and the simulated values (with the Q2N2222 part).

2. Does the voltage follower "follow" exactly? What is the percent decrease?

3. Explain why the "equivalent" circuit for the transistor is not equivalent. Hint: Are the gain for the CCCS and voltage for the independent V_{BE} source constant in our simulations? Are they constant in our measurements?

4. Comment on when it would and would not be appropriate to use PSpice® to simulate a circuit as well as any portions of the lab which you found difficult.

References Cited

1. Norr, S., "Introduction to PSPICE," http://www.d.umn.edu/~snorr/ece2006s4/Ptutor.PDF.
2. "Voltage Follower," http://www.allaboutcircuits.com/vol_6/chpt_5/11.html.
3. P2N2222A Data Sheet, http://www.onsemi.com/pub/Collateral/P2N2222A-D.PDF.

horizon
TECHNOLOGIES

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CERTIFICATE

This is to certify that **AJITH.K.T** has successfully completed in **"P-SPICE"** Course held at **JCT College of Engineering and Technology, Coimbatore** from 02-02-2015 to 10-02-2015.

Best wishes

HORIZON Technologies-CBE

Director

JCT

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CERTIFICATE COURSE FEEDBACK FORM

Resource Person Name	:	PRAJITH P
Topic Name	:	P - SPICE
Name of the Industry/Training Institute	:	horizon technologies
Date	:	10 - 02 - 2015

1.Did you find the course useful?

- ✓ Very Useful
- o Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- ✓ Little
- o No

3.Did you find the Activity useful?

- ✓ Very much
- o Not that much
- o Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- o 10
- o 9
- ✓ 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- o Very good
- ✓ Good

Signature of the Student

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PICHANUR, COIMBATORE - 641105

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE COURSE FEEDBACK FORM

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Topic Name	:	P-SPICE
Name of the Industry/Training Institute	:	horizon Technologies
Date	:	10-02-2015.

1.Did you find the course useful?

- o Very Useful
- ✓ Useful

2. Actively involve the students into discussion of problems. Ask questions from the students.

- o Little
- ✓ No

3.Did you find the Activity useful?

- o Very much
- o Not that much
- ✓ Not at all

4.If you have to rate the faculty on a scale of 10, what rating you would like to give?

- o 10
- ✓ 9
- o 8
- o Below 8

5. Knowledge about Concern Topic

- o Excellent
- ✓ Very good
- o Good

Thans

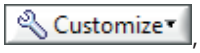
Signature of the Student

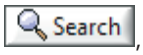
Cumulative Test: LabVIEW Basics

Test your "Basic" understanding of LabVIEW concepts by attempting the LabVIEW Basics Test. This test is recommended after you complete the seven modules found in the *LabVIEW Basics* section. The test includes 20 multiple choice questions.

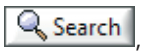
1. Numeric controls are different from numeric indicators because they have a _____ background and _____.
   a. White, Labels
   b. Grey, Labels
   c. White, Increment/Decrement Buttons
   d. Grey, Increment/Decrement Buttons

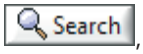
2. To switch between the front panel and block diagram, select Window >> Show Block Diagram/Front Panel, or simply press _____.
   a. Ctrl-E
   b. Ctrl-Z
   c. Ctrl-Shift-Y
   d. Ctrl-B

3. The _____ function, which allows you to find functions and controls to which you do not know the navigation path, is located on the _____ palette.
   a. 

, Functions
   b. 

, Controls
   c. 

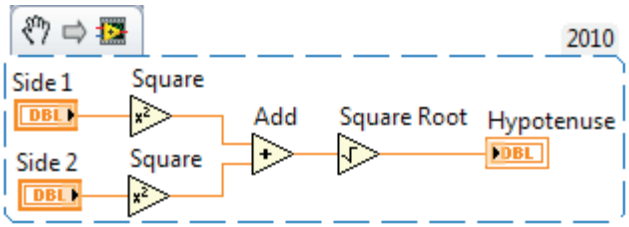
, Functions and Controls
   d. 

, Functions and Controls
   e. 

, Functions

4. To copy an item on the front panel or block diagram, press <Ctrl-C> and then <Ctrl-V>, or simply hold _____ and click and drag and drop the item.
   a. Shift
   b. Altl
   c. Ctrl-Shift
   d. Ctrl

5. What is the correct order of execution of this code?



   a. Square Root, Add, Square Functions in Parallel
   b. Add, Square Root, Square Functions in Parallel
   c. Square Functions in Parallel, Add, Square Root

6. When placing a *new* function, control, indicator, or constant, the _____ feature wires the terminals together if placed within close enough proximity.
   a. Block Diagram Cleanup
   b. Automatic Error Handling
   c. Automatic Wiring
   d. Retain Wire Values

7. The _____ chooses the best tool based on where the mouse pointer is placed in the LabVIEW environment.
   a. Wiring Tool
   b. General Tool
   c. Automatic Tool Selector
   d. Operate Tool

8. The _____ is typically used during run time to change the value of a control.
   a. Operate Tool
   b. Automatic Tool Selector
   c. Select Tool
   d. Shortcut Menu Tool

9. _____ any object in the LabVIEW environment provides quick access to most of the properties that can be changed.
   a. Left-Clicking
   b. Right-Clicking
   c. Selecting
   d. Ctrl-Clicking

10. To find a quick description of an object in the LabVIEW environment, simply turn on _____ by pressing _____ and hovering over the object.
    a. Detailed Help, Ctrl-I
    b. Context Help, Ctrl-U
    c. Context Help, Ctrl-H
    d. LabVIEW Help, Ctrl-Z

11. A _____ indicates that the VI is *broken* or not executable.
    a. Broken Run Arrow
    b. Run Arrow
    c. Wiring Diagram
    d. VI Icon

12. If you are not getting the expected values from your VI, two good troubleshooting steps are _____ and _____, which show wire values during run time and slow down execution, respectively.
    a. List Errors, Highlight Execution
    b. Probing Wires, Using Breakpoints
    c. Probing Wires, Highlight Execution
    d. Single stepping, Using Breakpoints

13. Being able to store a list of items in both a string and integer format allows for intuitive programming and a user friendly interface. This is made possible with the _____ data type.
    a. Enum
    b. String
    c. Integer
    d. Cluster

14. The _____ data structure can be compared to a purse or wallet because a purse or wallet can hold many different things just as this data structure can hold multiple data types.
    a. Array
    b. Cluster
    c. Bundle
    d. Container

15. For Loops have auto-index output tunnels, which automatically create _____ of data at the tunnel.
    a. Arrays
    b. Containers
    c. Graphs
    d. Clusters

16. Being able to execute code based on a particular condition allows for logic to be built into a program. In LabVIEW, this is accomplished using a _____.
    a. While Loop
    b. For Loop
    c. Case Structure
    d. Event Structure

17. A _____ allows a VI to run until a certain condition is met, such as pressing a Stop button on the front panel.
    a. While Loop
    b. For Loop
    c. Case Structure
    d. Event Structure

18. A For Loop is different from a While Loop because it runs for a set number of iterations and does not require a _____. The number of iterations is set by the _____.
    a. Input Tunnel, Count Terminal
    b. Conditional Terminal, Count Terminal
    c. Conditional Terminal, Iteration Terminal
    d. Input Tunnel, Count Terminal

19. To open a prebuilt VI to serve as a starting point or as a point of reference, open _____ and browse or search for the appropriate VI.
    a. LabVIEW Detailed Help
    b. NI Example Finder
    c. LabVIEW Context Help
    d. KnowledgeBase Archive

20. Use _____ within the LabVIEW environment to see a quick description of any object on the block diagram or front panel.
    a. NI Example Finder
    b. LabVIEW Manual
    c. LabVIEW Context Help
    d. LabVIEW Detailed Help

Student Name:

Branch:

Date:

College Name:

Type your text

student sign

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LabVIEW Syllabus

Introduction of LabVIEW:

- ✓ LabVIEW Environment : Definition
- ✓ Necessity of LabVIEW
- ✓ Definitions of VI
- ✓ LabVIEW benefits
- ✓ Programming and Execution methods
- ✓ Introductions of 3rd party interfaces and toolkits

Designing the Software:

- ✓ How to start up the Vis
- ✓ Front panel designing and working environment
- ✓ Definitions of Control and Indicators
- ✓ Types of Control and Indicators
- ✓ Explanations of Controls Palette
- ✓ Explanations Block Diagram and its working
- ✓ Terminals
- ✓ Functional Platte
- ✓ Status Bar or Window tool bar

Basic Programming:

- ✓ How to use Numerical functions
- ✓ Designing of Boolean operations
- ✓ Comparator applications
- ✓ Exercises in basic programming

Designing of Sub Programs:

- ✓ Need of SubVI
- ✓ What is SubVI
- ✓ How to use the Connector Pane with terminals
- ✓ Various types in SubVI plots

Programming Loops:

- ✓ About For loops
- ✓ How to use Shift registers
- ✓ While loop designing
- ✓ Flat Sequences

- ✓ Applications based on Loops

Structures:

- ✓ Case Structure : Definition and designing method
- ✓ Event Structure : Definition and designing method
- ✓ Working models in structures

Data Handling:

- ✓ Introduction of String, Arrays and Clusters
- ✓ Working with string functions
- ✓ About arrays and designing
- ✓ How to do clustering in Vis
- ✓ Differentiations between Waveform charts and Waveform Graphs
- ✓ Acquire and use the system files based on File I/O functions
- ✓ Report Generations in various files such as MS excel, TDMS, LVM files

External Interfaces:

- ✓ MAX and VISA explanations
- ✓ GPIB communications
- ✓ Serial communications and interfacing methods
- ✓ LabVIEW instrumentation drivers

Data Acquisitions Process and Instrument Control based on Embedded Controllers:

- ✓ Acquiring the real time digital data to the LabVIEW User interface
- ✓ Controlling the LED operations
- ✓ Acquiring of real time analog sensor values
- ✓ Controlling the Motors
- ✓ Create most interaction Vis

Projects:

- ✓ Process of temperature control
- ✓ Process of Lightning system control

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value Added Course on "P-SPICE

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2.	720911105002	AJITH.K.T	28
3.	720911105003	AJITH.S	26
4.	720911105004	AKASH.K	30
5.	720911105005	AKSHAYA KUMAR.C	30
6.	720911105006	ANDRAN PRAVEEN.B	30
7.	720911105007	ARUNLAL	30
8.	720911105009	DERSAK.S	30
9.	720911105010	DIPIN.P	24
10.	720911105013	KARTHICK.M	22
11.	720911105014	KRISHNAPRASAD.P	26
12.	720911105015	MAHESWARAN.K	
13.	720911105017	PRAJITH.P	

14.	720911105018	PRANAV.P	30
15.	720911105019	PRASANTH.S	28
16.	720911105021	RANJITH.R	26
17.	720911105022	SASIREKHA.M	30
18.	720911105023	SIYABUDHEEN.J	28
19.	720911105024	SOSHYA.C	26
20.	720911105025	SREEJITH.S	30
21.	720911105026	STEBIN SAJU.P	28
22.	720911105027	THANSEERA.S	26
23.	720911105028	VADIVEL MURUGAN.B	30
24.	720911105029	VIJESH.K.C	28
25.	720911105302	BALACHANDAR.P	26
26.	720911105303	BIJU.V.B	30
27.	720911105304	DHANASEKARAN.A	28
28.	720911105305	GOPU NARAYANAN.T.V	26
29.	720911105306	HARIDAS.R	30
30.	720911105307	KARTHIKEYAN.R	28
31.	720911105309	MANOHARAN.M	26
32.	720911105310	MANOJ KUMAR.E	30
33.	720911105311	NITHIN.B	28
34.	720911105312	PARTHIBAN.P	26

35.	720911105313	RAMARAJ.R	30
36.	720911105316	SHALIN.G.DEEPAK	28
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Course on "LAB View

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6.	720912105013	MANOJ R	28
7.	720912105014	NISHAD N	30
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9.	720912105016	RAHUL R	30
10.	720912105022	SENTHILKUMAR G	30
11.	720912105023	SHAFEEK.S	30
12.	720912105024	SHAMEER.A	28
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17.	720912105029	SUKHIN.K.S	28

18.	720912105030	VANISREE R	30
19.	720912105031	VISHNU PRASAD.S	30
20.	720912105301	AHAMED AMEEN.A	30
21.	720912105302	ALAGU KANNAN.R	30
22.	720912105303	ARUN BABY	30
23.	720912105304	ATHUL DAVIS KONIKKARA	28
24.	720912105305	BINOY.P.SATHYAN	30
25.	720912105306	DINO AJ	30
26.	720912105307	JAISON.C.J	24
27.	720912105308	NIRMAL GANESH.D	26
28.	720912105309	PRIYA S	28
29.	720912105310	RAVICHANDHIRAN.R	30
30.	720912105311	SAIFUDHEEN.P	30
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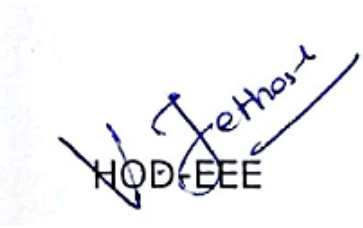
47.	720911105316	SHALIN.G.DEEPAK	30
48.	720911105318	SUBHAMANGAI.C	30





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Value Added Course on "P-Spice"

COURSE OBJECTIVES:

After successfully completing this course the student should be able to:

1. Characterize 2 and 3 terminal devices by means of I-V plots.

2. Derive a linearized small-signal model given the large signal characteristics.

3. Describe a circuit and analyze its operation in terms of the bias, midband small-signal model, or its large-signal switching model.

4. Use simulation tools to model a circuit and discuss the difference between the DC, time-domain, and frequencydomain analyses.

5. Analyze various topologies of single-stage amplifiers.

6. Design and analyze circuits that implement simple digital logic gates.

7. Measure the DC characteristics of a 2 or 3 terminal device in the laboratory.

8. Show how three terminal devices can be used as switches or amplifiers.

9. Construct and test small rectifier and transistor circuits in the laboratory.

10. Use elementary troubleshooting techniques and critical error analysis in the laboratory.

11. Use standard written and oral formats to report laboratory/computation results.

INSTRUCTIONAL PHILOSOPHY:

Topics will be covered in three levels: Theoretical analysis, simulation, and laboratory verification. The following synthesis procedure is used to gain an understanding of circuits covered in the class: The theoretical analysis of the circuit is covered to understand the operation of the circuit or to design a circuit. Circuit simulation using industry standard analysis tools to verify the theoretical analysis or circuit design. If the simulations agree with theoretical analysis, the circuit is constructed in the lab. Measurements of the circuit performance are made and compared to the theoretical calculations and simulation results.

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P-SPICE SYLLABUS:

1. Diodes • I-V characteristic • Temperature Effects • Iterative solution of simple series circuit • Solution of simple series circuit using an equation solver • PSpice solution of simple series circuit • PSpice I-V Characteristic • PSpice I-V Characteristic with temperature dependence • Load Line solution • Thevenin solution

2. Diode Models • Ideal • Ideal with voltage drop • Ideal with voltage drop and series resistance

3. Diode Circuits • Rectifier • Clipping • PSpice simulation

4. Zener Circuits • Clipping • PSpice simulation

5 MOSFETS • PSpice AC, DC, transient, and bias point simulations • MOSFET as a switch o Resistive pull-up.o Active pull-up. o Drive an LED. o Basic NMOS gate. oOhmic and SAT regions • Bias with Current Source • MOSFET Small-Signal Analysis o Small-signal model. o Common-source amplifier. o Source-follower. o Input and output impedance.

6. Bipolar Junction Transistors • PSpice AC, DC, transient, and bias point simulations • BJT as a switch Drive an LED o Drive a relay • Biasing with Current Sources • BJT Small-Signal Analysis o Hybrid-pi model. o Common-emitter amplifier. o Emitter-follower. o Input and output impedance.

7. jFETs (Optional) • PSpice AC, DC, transient, and bias point simulations • Bias with Current Source • Ohmic and SAT regions • jFET Small-Signal Analysis o Small-signal model. o Common-source amplifier. o Source-follower. o Input and output impedance.

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CERTIFICATE

This is to certify that **ABINAND.G** has successfully completed in **"P-SPICE"** Course held at **JCT College of Engineering and Technology, Coimbatore** from 02-02-2015 to 10-02-2015.

All the Best for your future

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