



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
UG - CSE, EEE & MECH Programs Accredited by NBA, New Delhi.
(An ISO 9001:2015 Certified Institution)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu



Ph: 0431 - 2660 303

1.2.2 Number of Add on /Certificate programs offered during the last five years (10)

2016-2017		
Sl. No	Name of Add on /Certificate programs offered	Pg.No
1.	EE16171 - PCB designing	
	Permission	2
	Circular	3
	Syllabus	4-5
	Willing Student List	6-10
	Course Delivery	11-12
	Resource Person Details	13
	Attendance	14-20
	Question Paper	21
	One Page Report	22
	Certificates	23-27
2.	EE16172 - Fundamentals of Mi power	
	Permission	28
	Circular	29
	Syllabus	30
	Willing Student List	31-35
	Course Delivery	36
	Resource Person Details	37
	Attendance	38-43
	Question Paper	44
	One Page Report	45
	Certificates	46-51



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007
Email: principatongg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

Date: 27.06.16

To

The Principal
M.I.E.T Engineering College,
Trichy - 620007

Respected Sir,

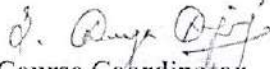
Sub: Permission to conduct the certificate program - Reg...

We have planned to conduct the value added course for our second year students from
04.07.2016 to 08.07.2016 at 09.00 AM - 05.00 PM.

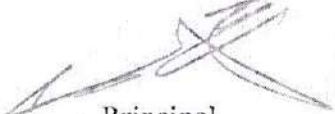
Name of the Certificate Program	Course Coordinator
PCB Designing	Mr.S.SamayaSanjeevi., AP/EEE

So kindly give us permission to conduct the certificate course and to utilize the facility.

Thanking you


Course Coordinator


HoD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T ENGINEERING COLLEGE

(Approved by AICTE and Affiliated to Anna University, Chennai)

Trichy – Pudukkottai Main Road, Trichy – 620 007.

CIRCULAR

Date: 29.06.16

Sub: Certificate Program


It is planned to conduct the certificate program for the second year Electrical and Electronics Engineering students.


The certificate program is short term certificate courses which are designed and offered by our department for the benefit of our students. Certificate program will be conducted at free of cost and based on the performance of the participated students; the merit certificate will be issued after the successful completion of the course.

Students those who are willing to attend the below mentioned course can enroll their name to the course coordinator.

Name of the Certificate Program	Course Coordinator
PCB Designing	Mr.S.Samaya Sanjeevi., AP/EEE
Commencement of course from 04.07.2016 to 08.07.2016 Time: 09.00 AM – 05.00 PM	


Course Coordinator


HoD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T ENGINEERING COLLEGE, TRICHY – 7.
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Course (II Year – III Semester)

Course Syllabus

Name of the course: PCB Designing

Course Code: EE16171

Course Coordinator: Mr.S.Samaya Sanjeevi., AP/EEE

Total Hours: 31

Academic Year: 2016-2017

Objective

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.

Unit I – Introduction to PCB designing concepts 6

Introduction & Brief History-Difference between PWB and PCB-Types of PCBs- PCB Materials-Electronic design Automation (EDA)- Different EDA tools-SPICE and PSpice Environment- Working of PROTEUS

Unit II – Component introduction and their categories 7

Active Components -Passive Components -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) -Metal Electrode Face(MELF) -Leadless Chip Carrier(LCC) -Small Outline Integrated -Circuit(SOIC) -Quad Flat Pack(QFP) and Thin QFP (TQFP) -Ball Grid Array(BGA) -Plastic Leaded -Chip Carrier(PLCC)

Unit III –Introduction to Development Tools 6

Introduction to PCB Design using OrCAD tool - Introduction to PCB Design using PROTEUS tool

Unit IV – Detailed description and practical of PCB designing 6

PCB Designing Flow Chart-Description of PCB Layers-Keywords & Their Description-PCB Materials-Rules for Track-Study of IPC Standards

Unit V –Lab practice and designing concepts 6

Starting the PCB designing-Auto routing-PCB Designing Practice-Post Designing & PCB Fabrication Process

Course Outcome

The students will be able to

- Understand the basics of PCB designing
- Know the development tools in PCB designing.
- Know the basic concept of PCB designing
- Practice PCB designing.

References

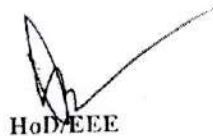
1. “Make Your Own PCBs with EAGLE: From Schematic Designs to Finished Boards. (Electronics)” by Simon Monk
2. “PCB Design for Real-World EMI Control (The Springer International Series in Engineering and Computer Science)” by James Drewniak and Bruce R Archambeault


PRINCIPAL

M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

3. "PCB Design: Printed Circuit Board" by Michael Dsouza and Dsouza Michael
4. "Complete PCB Design Using OrCAD Capture and PCB Editor" by Kraig Mitzner


Course Coordinator


HoD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Willing Student list

CP1Coordinator: Mr.S.SamayaSanjeevi., AP/EEE

CP2Coordinator: Mr. E.Muthukumar, AP/EEE

Academic Year: 2016-2017

SL. NO	STUDENT NAME	<u>CP1</u> PCB Designing	<u>CP2</u> Fundamentals of Mi power
1.	ABIRAM SAM SEELAN.V	✓	
2.	AJITH KUMAR.C	✓	
3.	ALAGESAN.M	✓	
4.	AMEER SUHAIL.S	✓	
5.	ANTONY.A	✓	
6.	CHARLES.P	✓	
7.	DHIVYA.B	✓	
8.	GOVINDARAJ.B	✓	
9.	JAYABALAN.M	✓	
10.	JENNERSON.I	✓	
11.	LEOANTONY.W	✓	
12.	MAHESHWARAN.K	✓	
13.	MANIMARAN.K	✓	
14.	MOHAMED LUKMAN.K.M	✓	
15.	MOHAMED MUFASIL MUFEETH.K.M	✓	
16.	MOHAMED MUSTAQ.M.S	✓	
17.	MOHAMED NABIL.B	✓	
18.	MOHAMED NASURUDEEN.J	✓	
19.	MOHAMED RAZIK.K.A	✓	


PRINCIPAL

M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.


SL. NO	STUDENT NAME	CP1 PCB Designing	CP2 Fundamentals of Mi power
20.	MOHAMED THAGIR.M	✓	
21.	MOHAMED THAREEK.A		
22.	MOHAMED YASIR ARABATH.M	✓	
23.	MOHAMEDASIK.J	✓	
24.	MOHAMED YASEER.M	✓	
25.	MUTHUMARIE	✓	
26.	NAFEES AHMED.A	✓	
27.	NANDHINI.J	✓	
28.	NITHYA.R	✓	
29.	NOORUL AMEEN.M	✓	
30.	PANDIYAN.G	✓	
31.	PAVITHRA.E	✓	
32.	PON MANIKANDA PRABHU.B	✓	
33.	PRAKASHRAJ.A	✓	
34.	PRAVEENKUMAR.S.P	✓	
35.	PRIYANKA.S	✓	
36.	RAGUL.V	✓	
37.	RAVICHANDRAN.B	✓	
38.	RUBI.R	✓	
39.	SALMANKAHAN.S	✓	
40.	SAYED AASIQUE.Y	✓	
41.	SENTHIL KUMAR.P	✓	
42.	SHAHANA BEGAM.S	✓	
43.	SHEIK ABDUL AZEEZ.A	✓	
44.	SHEIK ABDULLASHA.J	✓	
45.	SHEKABDULLA.S	✓	
46.	SIVA KUMAR.M	✓	


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

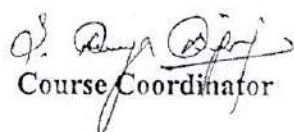
SL. NO	STUDENT NAME	CP1 PCB Designing	CP2 Fundamentals of Mi power
47.	SIVASANKAR.S	✓	
48.	SOWNDHARYA.S	✓	
49.	THANVEER AHAMED.A.R		
50.	THUNGABDULRAHMAN.S	✓	
51.	VENKATESH.N	✓	
52.	VIGNESH (26-02-1997).V	✓	
53.	VINOTH.G		
54.	ANIF NABI A	✓	
55.	ASHIKA S	✓	
56.	HAJA MOHAMED IRFAN I	✓	
57.	JOSEPH PRABAKARAN R	✓	
58.	KIRUBAANETHI C M	✓	
59.	MOHAMED ASLAM J	✓	
60.	MOHAMED MUSTAK ALI M	✓	
61.	PRAKASH B	✓	
62.	SATHISH M	✓	
63.	SINEHAVARAN M		
64.	YASAR M	✓	
65.	AALIYABANU M		✓
66.	ABDUL FAYIZ A		
67.	AJASH M		✓
68.	ANWARDEEN M		✓
69.	BEER AJMAL DHASKIN M		✓
70.	ESATH G		✓
71.	GAYATHRI M		✓
72.	JASIMA NASREEN MOHAMMAD IQBAL		✓
73.	KANAGAMANIKANDAN T		✓


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

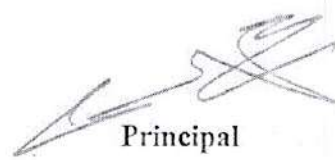
SL. NO	STUDENT NAME	<u>CPI</u> PCB Designing	<u>CP2</u> Fundamentals of Mi power
74.	LOGESH R		✓
75.	MOHAMED HASSAIN J		✓
76.	MOHAMED IBRAHIM M		✓
77.	RESHMA FARHA S		✓
78.	SHEIK MOHAMMED ZUBAIR S D		✓
79.	VANIKA.C		✓
80.	VICTORLAWRENCE J		✓
81.	YUVAPPRIYA M		✓
82.	AHAMED ISTHIYAK H		✓
83.	AMBALAKARAR THILAGAN ELANGO		✓
84.	ANTONY SELVAM Y		✓
85.	ANWAR BASHA A		✓
86.	AROCKIA REMIGIUS A		✓
87.	ASIQ NOORMOHAMED A		✓
88.	AVULIAMOHAMMED A		✓
89.	ELAVARASAN E		✓
90.	FAISAL AHAMED J		✓
91.	GOWS MYDEEN I		✓
92.	HAJA SHAHUL HAMEERUDEEN M		✓
93.	IMRANKHAN A		✓
94.	IMTHIAZ AHAMED R		✓
95.	KANNAN G		✓
96.	KAUSALYA K		✓
97.	LOHESHWARAN A		✓
98.	MANIRAJAN N		✓
99.	MANSUR BAHATH M		✓


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL. NO	STUDENT NAME	CP1 PCB Designing	CP2 Fundamentals of Mi power
100.	MOHAMED ASHIK S		✓
101.	MOHAMED HUSSAIN M		✓
102.	PRIYA D		✓
103.	RAJA M		✓
104.	RAJA PRAVEEN S		✓
105.	RAJASEKAR M		✓
106.	RANJITH R		✓
107.	RIYAZ MOHAMED M		✓
108.	SARANYA R		✓
109.	SOBAN RAJ T		✓
110.	THAMOTHARAN S		
111.	THANGAMAYIL P		✓
112.	VIJAY S		✓


Course Coordinator


HoD EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value Added Course (II Year - III Semester)

Course Delivery

Name of the Course: PCB Designing

Course Code:EE16171

Course Coordinator: Mr.S.SamayaSanjeevi., AP/EEE

Total Hours: 31

Academic Year: 2016-2017

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Difference between PWB and PCB	6	04.07.16
2.	Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer)		
3.	PCB Materials		
4.	Latest Trends in Market		
5.	Different EDA tools		
6.	SPICE and PSpice Environment		
7.	Types of Components-Active & Passive	7	05.07.16
8.	Diode, transistor, MOSFET, SCR & IC's		
9.	R, L, C, Transformer and speaker		
10.	Component Package Types		
11.	SIP, DIP, TO & PGA		
12.	MELF, LCC, SOIC, TQFP, BGA & PLCC	6	06.07.16
13.	Introduction to Development Tools		
14.	OrCAD Tools		
15.	PROTEUS Tools		
16.	Detailed description and practical of PCB designing		
17.	PCB Designing Flow Chart		
18.	Prototype Designing		


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

Sl.No	Topics to be Covered	Hours	Date of Delivery
19.	PCB Making	6	07.07.16
20.	Assembly of components		
21.	Description of PCB Layers		
22.	Keywords & Their Description		
23.	Rules for Track		
24.	Study of IPC Standards		
25.	Lab practice and designing concepts	6	08.07.17
26.	Starting the PCB designing		
27.	Auto routing		
28.	PCB Designing Practice		
29.	Post Designing		
30.	PCB Fabrication Process		

S. Ranga Raju
Course Coordinator

[Signature]
HOD/EEE

[Signature]
Principal

[Signature]
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.




M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
UG - CSE, EEE & MECH Programs Accredited by NBA, New Delhi.
TRICHY - PUDUKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Resource Person Details

Title of the program	PCB Designing
Course Code	EE16171
Duration and timing of the program	32 Hrs, 09.30 AM - 05.00 PM
Name of the resource person	S.Samaya sanjeevi
Photo of the resource person	
Email address	samayasanjeevi.s@miet.edu
Contact number	9944042018
Designation	Assistant Professor
Educational qualification	<ul style="list-style-type: none">➤ Completed B.E., Electrical and Electronics Engineering from Raja Engineering College during 2002-2006.➤ Completed M.E., Power Electronics and Drives from Algappa College of Engineering and Technology College during 2010-2012.
Experience	<ul style="list-style-type: none">➤ Teaching Experience - 14 Years.



PRINCIPAL

M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
 TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
 Email: principal@met.edu, contact@met.edu
 Website: www.met.edu

Ph: 0431 - 2650 003

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Certificate Program (II Year - III Semester) Attendance Sheet

Name of the course: PCB Designing

Course code: EE16171

Course coordinator: Mr.S.Samaya Sanjeevi, AP/EEE

Academic Year: 2016-2017

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		4/7	4/7	4/7	4/7	4/7	4/7	4/7	5/7	5/7	5/7	5/7	5/7	5/7	5/7	5/7	6/7	6/7	6/7	6/7	6/7
1.	ABIRAM SAM SEELAN.V	/	/	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/	/	/	/
2.	AJITH KUMAR.C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	ALAGESAN.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	AMEER SUHAILS	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5.	ANTONY.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	CHARLES.P	a	a	a	a	a	a	/	/	/	/	/	/	/	a	a	a	a	a	a	/
7.	DHIVYA.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	GOVINDARAJ.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	JAYABALAN.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	JENNERSON.I	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	LEOANTONY.W	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

A. Sanjeevi
PRINCIPAL
 M.I.E.T. ENGINEERING COLLEGE
 GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		4/7	4/7	4/7	4/7	4/7	4/7	5/7	5/7	5/7	5/7	5/7	5/7	5/7	6/7	6/7	6/7	6/7	6/7	6/7	7/7
12.	MAHESHWARAN.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	MANIMARAN.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	MOHAMED LUKMAN.K.M	/	/	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/	/	/	/
15.	MOHAMED MUFASIL MUFEETH.K.M	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	a	a
16.	MOHAMED MUSTAQ.M.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	MOHAMED NABIL.B	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	MOHAMED NASURUDEEN.J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	MOHAMED RAZIK.K.A	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	a	a
20.	MOHAMED THAGIR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	MOHAMED YASIR ARABATH.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	MOHAMEDASIK.J	/	/	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/	/	/	/
23.	MOHAMED YASEER.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	MUTHUMARLE	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	NAFEES AHMED.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	NANDHINLJ	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	NITHYA.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	NOORUL AMEEN.M	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	PANDIYAN.G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	PAVITHRA.E	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	PON MANIKANDA PRABHU.B	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	a	a
32.	PRAKASHRAJA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

A. S. S.
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		4/7	4/7	4/7	4/7	4/7	4/7	5/7	5/7	5/7	5/7	5/7	5/7	5/7	6/7	6/7	6/7	6/7	6/7	6/7	6/7
33.	PRAVEENKUMAR.S.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34.	PRIYANKA.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35.	RAGUL.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36.	RAVICHANDRAN.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	RUBLR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	SALMANKAHAN.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39.	SAYED AASIQUE.Y	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	SENTHIL KUMAR.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	SHAHANA BEGAM.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42.	SHEIK ABDUL AZEEZA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	SHEIK ABDULLASHA.J	/	/	/	/	/	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/
44.	SHEKABDULLA.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45.	SIVA KUMAR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46.	SIVASANKAR.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47.	SOWNDHARYA.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
48.	THUNGABDULRAHMAN.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
49.	VENKATESH.N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50.	VIGNESH (26-02-1997).V	a	a	a	a	a	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/
51.	ANIF NABI A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
52.	ASHIKA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
53.	HAJA MOHAMED IRFAN I	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

A. S. J.
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		4/7	4/7	4/7	4/7	4/7	4/7	5/7	5/7	5/7	5/7	5/7	5/7	5/7	6/7	6/7	6/7	6/7	6/7	6/7	7/7
54.	JOSEPH PRABAKARAN R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
55.	KIRUBAANETHI C M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
56.	MOHAMED ASLAM J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
57.	MOHAMED MUSTAK ALIM	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
58.	PRAKASH B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59.	SATHISH M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
60.	YASAR M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	21	22	23	24	25	26	27	28	29	30	31
		7/7	7/7	7/7	7/7	7/7	8/7	8/7	8/7	8/7	8/7	8/7
1.	ABIRAM SAM SEELAN.V	/	/	/	/	/	/	/	/	/	/	/
2.	AJIITH KUMAR.C	/	/	/	/	/	/	/	/	/	/	/
3.	ALAGESAN.M	/	/	/	/	/	/	/	/	/	/	/
4.	AMEER SUHAIL.S	/	/	/	/	/	/	/	/	/	/	/
5.	ANTONY.A	/	/	/	/	/	/	/	/	/	/	/
6.	CHARLES.P	/	/	/	/	/	/	/	/	/	/	/
7.	DHIVYA.B	/	/	/	/	/	/	/	/	/	/	/
8.	GOVINDARAJ.B	/	/	/	/	/	a	a	a	a	a	a
9.	JAYABALAN.M	/	/	/	/	/	/	/	/	/	/	/
10.	JENNERSON.I	/	/	/	/	/	/	/	/	/	/	/
11.	LEOANTONY.W	/	/	/	/	/	/	/	/	/	/	/
12.	MAHESHWARAN.K	/	/	/	/	/	/	/	/	/	/	/
13.	MANIMARAN.K	/	/	/	/	/	/	/	/	/	/	/
14.	MOHAMED LUKMAN.K.M	/	/	/	/	/	/	/	/	/	/	/
15.	MOHAMED MUFASIL MUFEETH.K.M	/	/	/	/	/	/	/	/	/	/	/
16.	MOHAMED MUSTAQ.M.S	/	/	/	/	/	/	/	/	/	/	/
17.	MOHAMED NABIL.B	/	/	/	/	/	a	a	a	a	a	a
18.	MOHAMED NASURUDEEN.J	/	/	/	/	/	/	/	/	/	/	/
19.	MOHAMED RAZIK.K.A	/	/	/	/	/	/	/	/	/	/	/
20.	MOHAMED THAGIR.M	/	/	/	/	/	/	/	/	/	/	/

5


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	21	22	23	24	25	26	27	28	29	30	31
		7/7	7/7	7/7	7/7	7/7	8/7	8/7	8/7	8/7	8/7	8/7
21.	MOHAMED YASIR ARABATH.M	/	/	/	/	/	/	/	/	/	/	/
22.	MOHAMEDASIK.J	/	/	/	/	/	/	/	/	/	/	/
23.	MOHAMED YASEER.M	/	/	/	/	/	a	a	a	a	a	a
24.	MUTHUMARIE	/	/	/	/	/	/	/	/	/	/	/
25.	NAFEES AHMED.A	/	/	/	/	/	/	/	/	/	/	/
26.	NANDHINI.J	/	/	/	/	/	/	/	/	/	/	/
27.	NITHYA.R	/	/	/	/	/	/	/	/	/	/	/
28.	NOORUL AMEEN.M	/	/	/	/	/	/	/	/	/	/	/
29.	PANDIYAN.G	/	/	/	/	/	/	/	/	/	/	/
30.	PAVITHRA.E	/	/	/	/	/	/	/	/	/	/	/
31.	PON MANIKANDA PRABHU.B	/	/	/	/	/	/	/	/	/	/	/
32.	PRAKASHRAJA	/	/	/	/	/	/	/	/	/	/	/
33.	PRAVEENKUMAR.S.P	/	/	/	/	/	/	/	/	/	/	/
34.	PRIYANKA.S	/	/	/	/	/	/	/	/	/	/	/
35.	RAGUL.V	/	/	/	/	/	a	a	a	a	a	a
36.	RAVICHANDRAN.B	/	/	/	/	/	/	/	/	/	/	/
37.	RUBI.R	/	/	/	/	/	/	/	/	/	/	/
38.	SALMANKAHAN.S	/	/	/	/	/	/	/	/	/	/	/
39.	SAYED AASIQUE.Y	/	/	/	/	/	/	/	/	/	/	/
40.	SENTHIL KUMAR.P	/	/	/	/	/	/	/	/	/	/	/
41.	SHAHANA BEGAM.S	/	/	/	/	/	/	/	/	/	/	/

6


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	21	22	23	24	25	26	27	28	29	30	31
		7/7	8/7	7/7	7/7	7/7	8/7	8/7	8/7	8/7	8/7	8/7
42.	SHEIK ABDUL AZEEZ.A	/	/	/	/	/	/	/	/	/	/	/
43.	SHEIK ABDULLASHAJ	/	/	/	/	/	/	/	/	/	/	/
44.	SHEKABDULLA.S	/	/	/	/	/	/	/	/	/	/	/
45.	SIVA KUMAR.M	/	/	/	/	/	/	/	/	/	/	/
46.	SIVASANKAR.S	/	/	/	/	/	/	/	/	/	/	/
47.	SOWNDHARYA.S	/	/	/	/	/	/	/	/	/	/	/
48.	THUNGABDULRAHMAN.S	/	/	/	/	/	/	/	/	/	/	/
49.	VENKATESH.N	/	/	/	/	/	/	/	/	/	/	/
50.	VIGNESH (26-02-1997).V	/	/	/	/	/	/	/	/	/	/	/
51.	ANIF NABI A	/	/	/	/	/	/	/	/	/	/	/
52.	ASHIKA S	/	/	/	/	/	/	/	/	/	/	/
53.	HAJA MOHAMED IRFAN I	/	/	/	/	/	/	/	/	/	/	/
54.	JOSEPH PRABAKARAN R	/	/	/	/	/	/	/	/	/	/	/
55.	KIRUBAANETHI C M	/	/	/	/	/	/	/	/	/	/	/
56.	MOHAMED ASLAM J	/	/	/	/	/	/	/	/	/	/	/
57.	MOHAMED MUSTAK ALI M	/	/	/	/	/	/	/	/	/	/	/
58.	PRAKASH B	/	/	/	/	/	/	/	/	/	/	/
59.	SATHISH M	/	/	/	/	/	/	/	/	/	/	/
60.	YASAR M	/	/	/	/	/	/	/	/	/	/	/

S. Raja Riff
Course Coordinator

Hod/EEE

Principal

7

7.2.21
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Certificate Program Assessment Test

Name of the course: PCB Designing
Course Code: EE16171
Academic Year: 2016-2017

Date: 13.07.16
Time: 01:30 hrs

Answer All the Questions (5*2=10)

PART-A

1. Why PCB required?
2. What are the material required for PCB designing?
3. Draw the PCB design flow chart.
4. List the IPC standards.
5. What is auto routing?

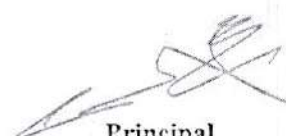
Answer All the Questions (2*20=40)

PART - B

6. Develop the rectifier circuit using PSPICE in PCB.
7. Prepare the PCB board for regulated power supply circuit using PSPICE.


Course Coordinator


HoD EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

One Page Report

Name of the Course: PCB Designing

Course Code: EE16171

Course Coordinators: Mr.S.Samaya Sanjeevi, AP/EEE

Total Hours: 31

Academic Year: 2016-2017

I hereby affirm that the entire course contents in the certificate program "PCB Designing" listed in the certificate course syllabus have been performed by the students as the part of the prescribed co - curricular activities through certificate course by NAAC and NBA.

I confirmed that the certificate program title as "PCB Designing" was done by me in the beginning of the semester and course delivery with attendance of the students was recorded.

I confirmed that all the students for this certificate program were actively attended and performed well throughout the duration and eligible students received the participation certificate.

S. Samaya Sanjeevi
Course Coordinator

[Signature]
HOD/EEE

[Signature]
Principal

[Signature]
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.



Course Completion Certificate

This is to Certify that Mr/Ms. C. AJITH KUMAR

of Second Year EEE has Completed the Course on

"PCB Designing" from 04.07.2016 to 08.07.2016

[Signature]
Course Coordinator

[Signature]

[Signature]
Principal

[Signature]
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.



Course Completion Certificate

This is to Certify that Mr/Ms. B. DHIVYA
of Second Year EEE has Completed the Course on
" PCB Designing " from 04.07.2016 to 08.07.2016

S. Rang. Raj
Course Coordinator

HOD

[Signature]
Principal

[Signature]
PRINCIPAL

M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.



Course Completion Certificate

This is to Certify that Mr/Ms. M. JAYABALAN
of Second Year EEE has Completed the Course on
" PCB Designing " from 04.07.2016 to 08.07.2016

S. Rangan Raju
Course Coordinator

HOD

[Signature]
Principal

[Signature]
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.



Course Completion Certificate

This is to Certify that Mr/Ms. E. MUTHUMARZ
of Second Year EEE has Completed the Course on
" PCB Designing " from 04.07.2016 to 08.07.2016

S. Rang Raju
Course Coordinator

[Signature]
HOD

[Signature]
Principal

[Signature]
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.




Course Completion Certificate

This is to Certify that Mr/Ms. G. PANDIYAN
of Second Year EEE has Completed the Course on
"PCB Designing" from 04.07.2016 to 08.07.2016

G. Ranga Raju
Course Coordinator


Hod


Principal

G. Ranga Raju
PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

Date: 27.06.2016

To

The Principal,
M.I.E.T Engineering College,
Trichy - 620007

Respected Sir,


Sub: Permission to conduct the Certificate Program - Reg.

We have planned to conduct the Certificate Program for our third year students from 04.07.16 to 08.07.16 at 09.30am to 05.00pm.

Name of the Certificate Program	Course Coordinator
Fundamentals of Mi power	Mr. E.Muthukumaran, AP/EEE

So kindly give us permission to conduct the certificate course and to utilize the facility.

Thanking you


Course Coordinator


HOD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

29.06.16

CIRCULAR

Sub: Certificate Program


It is planned to conduct the certificate program for the third year Electrical and Electronics Engineering students.


The certificate courses are short term program which are designed and offered by our department for the benefit of our students. Certificate program will be conducted at free of cost and based on the performance of the participated students, the merit certificate will be issued after the successful completion of the course.

Students those who are willing to attend the below mentioned course can enroll their name to the course coordinator.

Name of the Certificate Program	Course Coordinator
Fundamentals of Mi power	Mr. E.Muthukumaran, AP/EEE
Commencement of course from 04.07.16 to 08.07.16	
Timing: 09.30 AM to 05.00 PM	


Course Coordinator


HOD/EEE


Principal


PRINCIPAL
-M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T ENGINEERING COLLEGE, TRICHY – 7.
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Course (III Year – V Semester)

Course Syllabus

Name of the course: Fundamentals of Mi power

Course Code: EE16172

Course Coordinator: Mr.E.Muthukumaran., AP/EEE

Total Hours:31

Academic Year: 2016-2017

Objective

- To familiarize the students with MiPower windows and toolbars.
- To assists students to understand the basic function and application of MiPower in analyzing power system

Unit I – Introduction 6

Introduction to Power System Tools-Basics of MiPower Software-Modules

Unit II –Power system studies using MiPower 6

Analyzing Load Flow problems-procedure to draw Bus-Transmission line-generator-Load-single line diagram

Unit III –Control system studies using MiPower 7

Controllers-Time domain analysis-Transient stability analysis

Unit IV – Mathematical modeling using MiPower 6

Eigen values-Time domain response-Network analysis

Unit V –Case study 6

Harmonics Analysis-Relay Coordination-Stability analysis-Contingency analysis

Course Outcome

The students will be able to

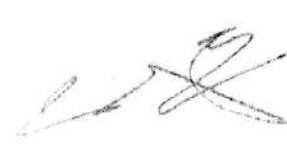
- Understand the various tools of MiPower software
- Simulate the software for various Power system problems
- Undertand the Mipower software usage in Control system stability analysis

References

1. <http://www.prdcinfotech.com>
2. Hadi Saadat, 'Power System Analysis', Tata McGraw Hill Education Pvt. Ltd., New Delhi, 21st reprint, 2010.
3. John J. Grainger, William D. Stevenson, Jr, 'Power System Analysis', Mc Graw Hill Education (India) Private Limited, New Delhi, 2015


Course Coordinator


HoD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


Willing Student list

CP1Coordinator: Mr.S.SamayaSanjeevi, AP/EEE

CP2Coordinator: Mr. E.Muthukumaran, AP/EEE

Academic Year: 2016-2017

SL. NO	STUDENT NAME	<u>CP1</u> PCB Designing	<u>CP2</u> Fundamentals of Mi power
1.	ABIRAM SAM SEELAN.V	✓	
2.	AJITH KUMAR.C	✓	
3.	ALAGESAN.M	✓	
4.	AMEER SUHAIL.S	✓	
5.	ANTONY.A	✓	
6.	CHARLES.P	✓	
7.	DHIVYA.B	✓	
8.	GOVINDARAJ.B	✓	
9.	JAYABALAN.M	✓	
10.	JENNERSON.I	✓	
11.	LEOANTONY.W	✓	
12.	MAHESHWARAN.K	✓	
13.	MANIMARAN.K	✓	
14.	MOHAMED LUKMAN.K.M	✓	
15.	MOHAMED MUFASIL MUFEETH.K.M	✓	
16.	MOHAMED MUSTAQ.M.S	✓	
17.	MOHAMED NABIL.B	✓	
18.	MOHAMED NASURUDEEN.J	✓	
19.	MOHAMED RAZIK.K.A	✓	


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL. NO	STUDENT NAME	CP1 PCB Designing	CP2 Fundamentals of Mi power
20.	MOHAMED THAGIR.M	✓	
21.	MOHAMED THAREEK.A		
22.	MOHAMED YASIR ARABATH.M	✓	
23.	MOHAMEDASIK.J	✓	
24.	MOHAMED YASEER.M	✓	
25.	MUTHUMARI.E	✓	
26.	NAFEES AHMED.A	✓	
27.	NANDHINI.J	✓	
28.	NITHYA.R	✓	
29.	NOORUL AMEEN.M	✓	
30.	PANDIYAN.G	✓	
31.	PAVITHRA.E	✓	
32.	PON MANIKANDA PRABHU.B	✓	
33.	PRAKASHRAJA	✓	
34.	PRAVEENKUMAR.S.P	✓	
35.	PRIYANKA.S	✓	
36.	RAGUL.V	✓	
37.	RAVICHANDRAN.B	✓	
38.	RUBI.R	✓	
39.	SALMANKAHAN.S	✓	
40.	SAYED AASIQUE.Y	✓	
41.	SENTHIL KUMAR.P	✓	
42.	SHAHANA BEGAM.S	✓	
43.	SHEIK ABDUL AZEEZA	✓	
44.	SHEIK ABDULLASHA.J	✓	
45.	SHEKABDULLA.S	✓	
46.	SIVA KUMAR.M	✓	


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

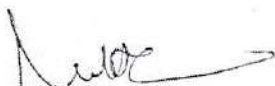
SL. NO	STUDENT NAME	CP1 PCB Designing	CP2 Fundamentals of Mi power
47.	SIVASANKAR.S	✓	
48.	SOWNDHARYA.S	✓	
49.	THANVEER AHAMED.A.R		
50.	THUNGABDULRAHMAN.S	✓	
51.	VENKATESH.N	✓	
52.	VIGNESH (26-02-1997).V	✓	
53.	VINOTH.G		
54.	ANIF NABI A	✓	
55.	ASHIKA S	✓	
56.	HAJA MOHAMED IRFAN I	✓	
57.	JOSEPH PRABAKARAN R	✓	
58.	KIRUBAANETHI C M	✓	
59.	MOHAMED ASLAM J	✓	
60.	MOHAMED MUSTAK ALI M	✓	
61.	PRAKASH B	✓	
62.	SATHISH M	✓	
63.	SINEHAVARAN M		
64.	YASAR M	✓	
65.	AALIYABANU M		✓
66.	ABDUL FAYIZ A		
67.	AJASH M		✓
68.	ANWARDEEN M		✓
69.	BEER AJMAL DHASKIN M		✓
70.	ESATH G		✓
71.	GAYATHRI M		✓
72.	JASIMA NASREEN MOHAMMAD IQBAL		✓
73.	KANAGAMANIKANDAN T		✓



PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

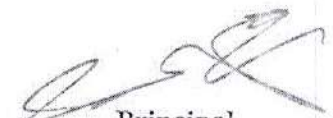
SL. NO	STUDENT NAME	CP1 PCB Designing	CP2 Fundamentals of Mi power
74.	LOGESH R		✓
75.	MOHAMED HASSAIN J		✓
76.	MOHAMED IBRAHIM M		✓
77.	RESHMA FARHA S		✓
78.	SHEIK MOHAMMED ZUBAIR S D		✓
79.	VANIKA.C		✓
80.	VICTORLAWRENCE J		✓
81.	YUVAPPRIYA M		✓
82.	AHAMED ISTHIYAK H		✓
83.	AMBALAKARAR THILAGAN ELANGO		✓
84.	ANTONY SELVAM Y		✓
85.	ANWAR BASHA A		✓
86.	AROCKIA REMIGIUS A		✓
87.	ASIQ NOORMOHAMED A		✓
88.	AVULIAMOHAMMED A		✓
89.	ELAVARASAN E		✓
90.	FAISAL AHAMED J		✓
91.	GOWS MYDEEN I		✓
92.	HAJA SHAHUL HAMEERUDEEN M		✓
93.	IMRANKHAN A		✓
94.	IMTHIAZ AHAMED R		✓
95.	KANNAN G		✓
96.	KAUSALYA K		✓
97.	LOHESHWARAN A		✓
98.	MANIRAJAN N		✓
99.	MANSUR BAHATH M		✓


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL. NO	STUDENT NAME	CP1 PCB Designing	CP2 Fundamentals of Mi power
100.	MOHAMED ASHIK S		✓
101.	MOHAMED HUSSAIN M		✓
102.	PRIYA D		✓
103.	RAJA M		✓
104.	RAJA PRAVEEN S		✓
105.	RAJASEKAR M		✓
106.	RANJITH R		✓
107.	RIYAZ MOHAMED M		✓
108.	SARANYA R		✓
109.	SOBAN RAJ T		✓
110.	THAMOTHARAN S		
111.	THANGAMAYIL P		✓
112.	VIJAY S		✓


Course Coordinator


HoD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Certificate Course (III Year - V Semester)

Course Delivery

Name of the Course: Fundamentals of Mi power

Course Code:EE16172


Course Coordinator: Mr. E.Muthukumaran, AP/EEE

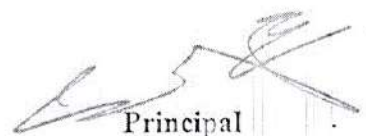
Total Hours: 31

Academic Year:2016-2017

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Introduction to Power System Tools	6	04.07.16
2.	Basics of MiPower Software		
3.	Modules		
4.	Analyzing Load Flow problems	6	05.07.16
5.	Procedure to draw Bus		
6.	Generator and Load		
7.	single line diagram	7	06.07.16
8.	Controllers		
9.	Time domain analysis		
10.	Transient stability analysis	6	07.07.16
11.	Eigen values		
12.	Time domain response		
13.	Number of test locations	6	08.07.16
14.	Network analysis		
15.	Harmonics Analysis		
16.	Relay Coordination	6	08.07.16
17.	Stability analysis		
18.	Contingency analysis		


Course Coordinator


HOD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.




M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Resource Person Details

Title of the program	Fundamentals of Mi power
Course Code	EE16172
Duration and timing of the program	31 Hrs, 09:30 AM to 05:00 PM
Name of the resource person	E.Muthukumaran
Photo of the resource person	
Email address	muthukumaran.e@miet.edu
Contact number	9944166801
Designation	Assistant Professor
Educational qualification	<ul style="list-style-type: none">> Completed B.E. Electrical and Electronics Engineering in National Engineering College, Kovilpatti.> Completed M.E. Power Systems in K.L.N. Engineering College, Madurai.
Experience	<ul style="list-style-type: none">> Teaching Experience – 10 Years.


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
 TRICHY - PUDUKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
 Email: principalengg@miet.edu, contact@miet.edu
 Website: www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Certificate Course (III Year - V Semester)

Attendance Sheet

Name of the Course: Fundamentals of Mi power
 Course Code: EE16172
 Course Coordinators: Mr. E.Muthukumar, AP/EEE
 Academic Year: 2016-2017

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1.	AALIYABANU M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	AJASH M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	ANWARDEEN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	BEER AJMAL DHASKIN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5.	ESATH G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	GAYATHRI M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	JASIMA NASREEN MOHAMMAD IQBAL	/	/	/	/	/	/	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
8.	KANAGAMANIKANDAN T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	LOGESH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	MOHAMED HASSAIN J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

(Signature)
PRINCIPAL
 M.I.E.T. ENGINEERING COLLEGE
 GUNDUR, TIRUCHIRAPPALLI-620 007.

SLNO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
11.	MOHAMED IBRAHIM M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	RESHIMA FARHA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	SHEIK MOHAMMED ZUBAIR S D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	VANIKA.C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	VICTORLAWRENCE J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	YUVAPPRIYA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	AHAMED ISTHIYAK H	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	AMBALAKARAR THILAGAN ELANGO	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	ANTONY SELVAM Y	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	ANWAR BASHA A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	AROCKIA REMIGIUS A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	ASIQ NOORMOHAMED A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	AVULIAMOHAMMED A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	ELAVARASAN E	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	FAISAL AHAMED J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	GOWS MYDEEN I	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	HAJA SHAHUL HAMEERUDEEN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	IMRANKHAN A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	IMTHIAZ AHAMED R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
30.	KANNAN G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
31.	KAUSALYA K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a
32.	LOHESHWARAN A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33.	MANIRAJAN N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34.	MANSUR BAHATH M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35.	MOHAMED ASHIK S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36.	MOHAMED HUSSAIN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	PRIYA D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	RAJA M	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	a	a	a	a	a	a
39.	RAJA PRAVEEN S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	RAJASEKAR M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	RANJITH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42.	RIYAZ MOHAMED M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	SARANYA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44.	SOBAN RAJ T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45.	THANGAMAYIL P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46.	VIJAY S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31
		7/7	7/7	7/7	8/7	8/7	8/7	8/7	8/7	8/7
1.	AALIYADANU M	/	/	/	a	a	a	/	/	/
2.	AJASH M	/	/	/	/	/	/	/	/	/
3.	ANWARDEEN M	/	/	/	/	/	/	/	/	/
4.	BEER AJMAL DHASKIN M	/	/	/	/	/	/	/	/	/
5.	ESATH G	/	/	/	/	/	/	/	/	/
6.	GAYATHIRI M	/	/	/	/	/	/	/	/	/
7.	JASIMA NASREEN MOHAMMAD IQBAL	a	a	a	a	a	a	a	a	a
8.	KANAGAMANIKANDAN T	/	/	/	/	/	/	/	/	/
9.	LOGESH R	/	/	/	/	/	/	/	/	/
10.	MOHAMED HASSAIN J	/	/	/	/	/	/	/	/	/
11.	MOHAMED IBRAHIM M	/	/	/	/	/	/	/	/	/
12.	RESHMA FARHA S	/	/	/	/	/	/	/	/	/
13.	SHEIK MOHAMMED ZUBAIR S D	/	/	/	/	/	/	/	/	/
14.	VANIKA.C	/	/	/	/	/	/	/	/	/
15.	VICTORLAWRENCE J	/	/	/	/	/	/	/	/	/
16.	YUVAPPRIYA M	/	/	/	/	/	/	/	/	/
17.	AHAMED ISTHIYAK H	/	/	/	/	/	/	/	/	/
18.	AMBALAKARAR THILAGAN ELANGO	/	/	/	/	/	/	/	/	/


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.


SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31
		7/7	7/7	7/7	8/7	8/7	8/7	8/7	8/7	8/7
19.	ANTONY SELVAM Y	/	/	/	/	/	/	/	/	/
20.	ANWAR BASHA A	/	/	/	/	/	/	/	/	/
21.	AROCKIA REMIGIUS A	a	a	a	a	a	a	a	a	a
22.	ASIQ NOORMOHAMED A	/	/	/	/	/	/	/	/	/
23.	AVULIAMOHAMMED A	/	/	/	/	/	/	/	/	/
24.	ELAVARASAN E	/	/	/	/	/	/	/	/	/
25.	FAISAL AHAMED J	/	/	/	/	/	/	/	/	/
26.	GOWS MYDEEN I	/	/	/	/	/	/	/	/	/
27.	HAJA SHAHUL HAMEERUDEEN M	/	/	/	/	/	/	/	/	/
28.	IMRANKHAN A	/	/	/	/	/	/	/	/	/
29.	IMTHIAZ AHAMED R	/	/	/	/	/	/	/	/	/
30.	KANNAN G	/	/	/	/	/	/	/	/	/
31.	KAUSALYA K	/	/	/	/	/	/	/	/	/
32.	LOHESHWARAN A	/	/	/	/	/	/	/	/	/
33.	MANIRAJAN N	/	/	/	/	/	/	/	/	/
34.	MANSUR BAHATH M	/	/	/	/	/	/	/	/	/
35.	MOHAMED ASHIK S	/	/	/	/	/	/	a	a	a
36.	MOHAMED HUSSAIN M	/	/	/	/	/	/	/	/	/
37.	PRIYA D	/	/	/	/	/	/	/	/	/


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31
		F/F	I/I	F/F	8/7	8/7	8/7	8/7	8/7	8/7
38.	RAJA M	a	a	a	a	a	a	a	a	a
39.	RAJA PRAVEEN S	/	/	/	a	a	a	a	a	a
40.	RAJASEKAR M	/	/	/	a	a	a	a	a	a
41.	RANJITH R	/	/	/	a	a	a	a	a	a
42.	RIYAZ MOHAMED M	/	/	/	/	/	/	/	/	/
43.	SARANYA R	/	/	/	/	/	/	/	/	/
44.	SOBAN RAJ T	/	/	/	/	/	/	/	/	/
45.	THANGAMAYIL P	/	/	/	/	/	/	/	/	/
46.	VIJAY S	/	/	/	/	/	/	/	/	/


Course Coordinator


HOD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Certificate Program Assessment Test

Name of the course: Fundamentals of Mi power

Date: 13.07.16

Course Code: EE17181

Time: 01:30 hrs

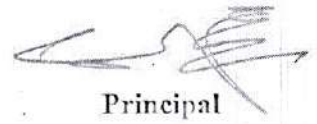
Academic Year: 2016-2017

Answer All the Questions (2*25=50)

1. Write the program to analyze the transient stability using Mi - power software.
2. Analyze the load flow problem using Mi - power software.


Course Coordinator


HoD EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 - 2660 303

One Page Report

Name of the Course: Fundamentals of Mi power
Course Code: EE16172
Course Coordinators: Mr. E.Muthukumaran, AP/EEE
Total Hours: 31

Academic Year: 2016-2017

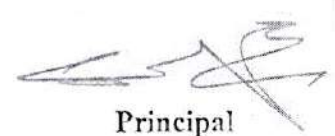
I hereby affirm that the entire course contents in the certificate program "Fundamentals of Mi power" listed in the certificate course syllabus have been performed by the students as the part of the prescribed co - curricular activities through certificate course by NAAC and NBA.

I confirmed that the certificate program title as "Fundamentals of Mi power" was done by me in the beginning of the semester and course delivery with attendance of the students was recorded.

I confirmed that all the students for this certificate program were actively attended and performed well throughout the duration and eligible students received the participation certificate.


Course Coordinator


HOD/EEE


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.




Course Completion Certificate

This is to Certify that Mr/Ms. ✓ GRAYATHRI M
of THIRD YEAR EEE has Completed the Course on
FUNDAMETALS OF MI POWER from 04.07.16 to 08.07.16


Course Coordinator


HOD


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

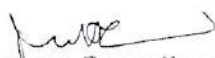
M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.




Course Completion Certificate

This is to Certify that Mr/Ms. ABLIYABONU M
of THIRD Yr EEE has Completed the Course on
FUNDAMENTALS OF MI POWER from 04.07.16 to 08.07.16


Course Coordinator


HOD


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE


Trichy, Pudukkottai Road, Trichy - 620 007.




Course Completion Certificate

This is to Certify that Mr/[✓]Ms. PRIYA D
of THIRD YEAR EEE has Completed the Course on
FUNDAMENTALS OF MIP POWER from 04.07.16 to 08.07.16


Course Coordinator


Hod


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

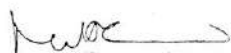
M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.



Course Completion Certificate

This is to Certify that Mr/Ms. FAISAL AHAMED T
of THIRD YEAR EEE has Completed the Course on
FUNDAMENTALS OF MT POWER from 04.07.16 to 08.07.16


Course Coordinator


Principal


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.


M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.




Course Completion Certificate

This is to Certify that [✓]Mr/Ms. RANJITH R
of THIRD YEAR EEE has Completed the Course on
FUNDAMENTALS OF MI POWER from 04.07.16 to 08.07.16


Course Coordinator


HOD


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.


M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.




Course Completion Certificate

This is to Certify that Mr/Ms. ANWAR BASHA A
of THIRD YEAR EEE has Completed the Course on
FUNDAMENTALS OF MI POWER from 04.07.16 to 08.07.16


Course Coordinator


Hod


Principal


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.