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)

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Website: - www.miet.edu

Ph: 0431 – 2660 303

Date: 01.06.2017

To

The Principal,

M.I.E.T Engineering College,

Trichy – 620007

Respected Madam,

Sub: Permission to conduct the certificate program – Reg.

We have planned to conduct the certificate program for our final year students from 12.06.17 to 16.06.17 at 09.30 AM 05.00 PM.

Name of the Certificate Program	Course Coordinator
Design of Power Converter and Applications	Mr. J.Gopi, AP/EEE

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

Thanking you

Course Coordinator

HOD/EEE

Principal

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05.06.17

CIRCULAR

Sub: Certificate Program
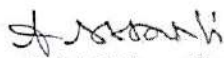
It is planned to conduct the certificate program for the final year Electrical and Electronics Engineering students.

The certificate program is short term 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.
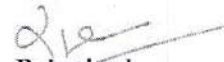
Students those who are willing to attend the below mentioned course can enroll their name to the course coordinator.

Name of the Value Added Course	Course Coordinator
Design of Power Converter and Applications	Mr. J.Gopi, AP/EEE

Commencement of course from 12.06.17 to 16.06.17
Timing: 09.30 am to 05.00 pm

Course Coordinator   IQAC Coordinator   HoD/EEE   Principal

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

Name of the Course: Design of Power Converter and Applications
Course Code: EE17181
Course Coordinators: Mr. J.Gopi, AP/EEE
Total Hours: 34   **Academic Year: 2017-2018**

Objectives:
- To select and design important elements of a power converter system.
- To design the driver circuits for LED.
- To analyze the various types of inverters.
- To provide the knowledge about power supply circuits.
- To understand the various pulse generation circuits.

Unit I – DC – DC Converters   **7**
Introduction – Concept of DC – DC converters – Design of DC – DC converters – Types of DC – DC converters – Applications of DC – DC converters.

Unit II – LED Drivers   **7**
Introduction to LED drivers – Non-isolated type LED drivers – Isolated type LED drivers – Low power LED drivers – High power LED drivers.

Unit III – Inverters   **7**
Introduction to inverters – Design of inverters – CFL inverters – Design of medium power inverters – Applications of inverters.

Unit IV – Power Supplies   **7**
Introduction - Isolated and non-isolated type power supplies – Linear voltage regulated power supplies – Switched mode power supplies.

Unit V – Pulse Generation Circuits   **6**
Pulse generation using linear IC - Pulse generation using RC and RL circuits - Pulse generation using microcontrollers – Advances in pulse generation circuits.
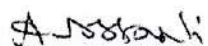
Course Outcomes:
The students will be able to
- Ability to design the converters and inverter for various applications.
- Ability to understand the types of power supplies and pulse generation circuits.
- Ability to design the driver circuits for LED.

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References:

[1] M.H.Rashid, "Power Electronics: Circuits, Devices and Applications", Pearson Education, PHI Third Edition, New Delhi, 2004.
[2] P.S.Bimbra, "Power Electronics", Khanna Publishers, Third Edition, 2003.
[3] L.Umanand, "Power Electronics Essential and Applications", Wiley, 2010.

Course Coordinator	IQAC Coordinator	HoD/EEE	Principal

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Willing Student list

CP1 Coordinator: Mr. J.Gopi, AP/EEE

CP2 Coordinator: Mr. E.Muthukumaran, AP/EEE

CP3 Coordinator: D.Tamilselvan, AP/EEE

Academic Year: 2017-2018

SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
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	✓		
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	✓		

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SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
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	✓		
30.	KANNAN G	✓		
31.	KAUSALYA K	✓		
32.	LOHESHWARAN A	✓		
33.	MANIRAJAN N	✓		
34.	MANSUR BAHATH M	✓		
35.	MOHAMED ASHIK S	✓		
36.	MOHAMED HUSSAIN M	✓		
37.	PRIYA D	✓		
38.	RAJA M	✓		
39.	RAJA PRAVEEN S	✓		
40.	RAJASEKAR M	✓		

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SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
41.	RANJITH R	✓		
42.	RIYAZ MOHAMED M	✓		
43.	SARANYA R	✓		
44.	SOBAN RAJ T	✓		
45.	THAMOTHARAN S	✓		
46.	THANGAMAYIL P	✓		
47.	VIJAY S	✓		
48.	ABIRAM SAM SEELAN.V		✓	✓
49.	AJITH KUMAR.C		✓	✓
50.	ALAGESAN.M		✓	✓
51.	AMEER SUHAIL.S		✓	✓
52.	ANTONY.A			
53.	CHARLES.P		✓	✓
54.	DHIVYA.B		✓	✓
55.	GOVINDARAJ.B		✓	✓
56.	JAYABALAN.M		✓	✓
57.	JENNERSON.I		✓	✓
58.	LEOANTONY.W		✓	✓
59.	MAHESHWARAN.K		✓	✓
60.	MANIMARAN.K		✓	✓
61.	MOHAMEDASIK.J		✓	✓
62.	MOHAMED LUKMAN.K.M		✓	✓
63.	MOHAMED MUFASIL MUFEETH.K.M		✓	✓
64.	MOHAMED MUSTAQ.M.S		✓	✓
65.	MOHAMED NABIL.B		✓	✓

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GUNDUR, TIRUCHIRAPPALLI-620 007.

SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
66.	MOHAMED NASURUDEEN.J		✓	✓
67.	MOHAMED RAZIK.K.A		✓	✓
68.	MOHAMED THAGIR.M		✓	✓
69.	MOHAMED THAREEK.A			✓
70.	MOHAMED YASEER.M		✓	✓
71.	MOHAMED YASIR ARABATH.M		✓	✓
72.	MUTHUMARI.E		✓	✓
73.	NAFEES AHMED.A		✓	✓
74.	NANDHINI.J		✓	✓
75.	NITHYA.R		✓	✓
76.	NOORUL AMEEN.M		✓	✓
77.	PANDIYAN.G		✓	✓
78.	PAVITHRA.E		✓	✓
79.	PON MANIKANDA PRABHU.B		✓	
80.	PRAKASHRAJ.A		✓	✓
81.	PRAVEENKUMAR.S.P		✓	✓
82.	PRIYANKA.S		✓	✓
83.	RAGUL.V		✓	✓
84.	RAVICHANDRAN.B		✓	✓
85.	RUBI.R		✓	✓
86.	SALMANKHAN.S		✓	✓
87.	SAYED AASIQUE.Y		✓	✓
88.	SENTHIL KUMAR.P		✓	✓
89.	SHAHANA BEGAM.S		✓	✓
90.	SHEIK ABDUL AZEEZ.A			✓

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SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
91.	SHEIK ABDULLASHA.J			✓
92.	SHEKABDULLA.S		✓	✓
93.	SIVA KUMAR.M		✓	✓
94.	SIVASANKAR.S		✓	✓
95.	SOWNDHARYA.S		✓	✓
96.	THANVEER AHAMED.A.R			
97.	THUNGABDULRAHMAN.S		✓	✓
98.	VENKATESH.N		✓	✓
99.	VIGNESH.V (26-02-1997)			✓
100.	VINOTH.G		✓	✓
101.	ANIFNABI. A		✓	✓
102.	ASHIKA. S		✓	✓
103.	HAJAMOHAMEDIRFAN. I		✓	✓
104.	JOSEPH PRABAKARAN. R		✓	✓
105.	KIRUBAANETHI. C.M		✓	✓
106.	MOHAMED ASLAM. J		✓	✓
107.	MOHAMED MUSTAK ALI. M		✓	✓
108.	PRAKASH. B		✓	✓
109.	SATHISH. M		✓	✓
110.	SINEHAVARAN. M		✓	
111.	YASAR. M		✓	✓

Course Coordinator   HOD/EEE   Principal

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Course (IV Year – VII Semester)
Course Delivery

Name of the Course: Design of Power Converter and Applications
Course Code: EE17181
Course Coordinator: Mr. J.Gopi, AP/EEE
Total Hours: 34
Academic Year: 2017-2018

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Introduction and importance of converters		
2.	Concepts		
3.	Types		
4.	Design of DC – DC converters	7.	12.06.17
5.	Design of DC – DC converters		
6.	Applications		
7.	Converter interaction with other converters		
8.	Introduction to LED drivers		
9.	Non-isolated type LED drivers		
10.	Isolated type LED drivers		
11.	Low power LED drivers	7	13.06.17
12.	High power LED drivers		
13.	constant current LED driver		
14.	constant voltage LED driver		
15.	Introduction to inverters		
16.	Design of inverters		
17.	CFL inverters	7	14.06.17
18.	Design of medium power inverters		
19.	Inverter battery capacity		

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Sl.No	Topics to be Covered	Hours	Date of Delivery
20.	Three-phase inverters		
21.	Applications of inverters		
22.	Introduction		
23.	Isolated type power supplies		
24.	Non-isolated type power supplies		
25.	Linear voltage regulated power supplies	7	15.06.17
26.	Switched mode power supplies		
27.	Overload protection		
28.	Thermal Management		
29.	Pulse generation using linear IC		
30.	Pulse generation using RC and RL circuits		
31.	TTL pulse generator		
32.	Pulse generation using microcontrollers	6	16.06.17
33.	Optical pulse generators		
34.	Advances in pulse generation circuits		

Course Coordinator   HOD/EEE   Principal

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Resource Person Details

Title of the program	Design of Power Converter and Applications
Course Code	EE17181
Duration and timing of the program	34 Hrs, 09:30 AM to 05:00 PM
Name of the resource person	J.Gopi
Photo of the resource person	
Email address	gopieng_84@yahoo.co.in
Contact number	9042941825
Designation	Assistant Professor
Educational qualification	➢ Completed B.E. Electrical and Electronics Engineering in M.I.E.T. Engineering College, Trichy. ➢ Completed M.E. Power Electronics and Drives in Saranathan College of Engineering, Trichy.
Experience	➢ Teaching Experience – 7 Years.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Program (IV Year – VII Semester)
Attendance Sheet

Name of the Course: Design of Power Converter and Applications
Course Code: EE17181
Course Coordinators: Mr. J.Gopi, AP/EEE
Academic Year: 2017-2018

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
		12/6	12/6	12/6	12/6	12/6	12/6	12/7	13/6	13/6	13/6	13/6	13/6	13/6	13/6	13/6	14/6	14/6	14/6	14/6	14/6	14/6	
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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	KANAGAMANIKANDAN T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	LOGESH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	MOHAMED HASSAIN J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	MOHAMED IBRAHIM M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	RESHMA FARHA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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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
13.	SHEIK MOHAMMED ZUBAIR S D	/	/	/	/	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
14.	VANIKA.C	/	/	/	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
15.	VICTORLAWRENCE J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	/	/	/	/
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.	HAJA SHAHUL HAMEERUDEEN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	GOWS MYDEEN I	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	IMRANKHAN A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	IMTHIAZ AHAMED R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	KANNAN G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	KAUSALYA K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32.	LOHESHWARAN A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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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
33.	MANIRAJAN N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34.	MANSUR BAHATH M	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35.	MOHAMED ASHIK S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36.	MOHAMED HUSSAIN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	PRIYA D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	RAJA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39.	RAJA PRAVEEN S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	RAJASEKAR M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	RANJITH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42.	RIYAZ MOHAMED M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	SARANYA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44.	SOBAN RAJ T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45.	THAMOTHARAN S	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
46.	THANGAMAYIL P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47.	VIJAY S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32	33	34
		15/6	15/6	15/6	15/6	15/6	15/6	16/6	16/6	16/6	16/6	16/6	16/6
1.	AALIYABANU M	/	/	/	/	/	/	/	/	/	/	/	/
2.	AJASH M	a	a	a	a	a	a	/	/	/	/	/	/
3.	ANWARDEEN M	/	/	/	/	/	/	a	a	a	a	a	a
4.	BEER AJMAL DHASKIN M	/	/	/	/	/	/	/	/	/	/	/	/
5.	ESATH G	/	/	/	/	/	/	/	/	/	/	/	/
6.	GAYATHRI M	/	/	/	/	/	/	/	/	/	/	/	/
7.	JASIMA NASREEN MOHAMMAD IQBAL	/	/	/	/	/	/	/	/	/	/	/	/
8.	KANAGAMANIKANDAN T	/	/	/	/	/	/	/	/	/	/	/	/
9.	LOGESH R	/	/	/	/	/	/	/	/	/	/	/	/
10.	MOHAMED HASSAIN J	/	/	/	/	/	/	/	/	/	/	/	/
11.	MOHAMED IBRAHIM M	/	/	/	/	/	/	/	/	/	/	/	/
12.	RESHMA FARHA S	/	/	/	/	/	/	/	/	/	/	/	/
13.	SHEIK MOHAMMED ZUBAIR S D	a	a	a	a	a	a	a	a	a	a	a	a
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	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32	33	34
		15/6	15/6	15/6	15/6	15/6	15/6	16	16	16	16	16/6	16/6
21.	AROCKIA REMIGIUS A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22.	ASIQ NOORMOHAMED A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23.	AVULIAMOHAMMED A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24.	ELAVARASAN E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25.	FAISAL AHAMED J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26.	HAJA SHAHUL HAMEERUDEEN M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27.	GOWS MYDEEN I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
36.	MOHAMED HUSSAIN M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37.	PRIYA D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38.	RAJA M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39.	RAJA PRAVEEN S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40.	RAJASEKAR M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41.	RANJITH R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32	33	34
42.	RIYAZ MOHAMED M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
43.	SARANYA R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44.	SOBAN RAJ T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45.	THAMOTHARAN S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
46.	THANGAMAYIL P	a	a	a	a	a	a	a	a	a	a	a	a
47.	VIJAY S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Course Coordinator

HOD/EEE

Principal

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 00?

M.I.E.T. ENGINEERING COLLEGE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Program Assessment Test

Name of the course: Design of Power Converter and Applications
Course Code: EE17181
Academic Year: 2017-2018

Date: 18.12.19
Time: 01:30 hrs

Answer All the Questions (5*2=10)

PART-A

1. What is the need of converters?

2. What are types of converters in recent trends?

3. Write the requirement of isolation in LED drives.

4. What are the advantages of three phase inverters?

5. Define thermal management.

Answer All the Questions (4*10=40)

PART – B

6.a. Enumerate the design procedure for ZETA converter.

(Or)

6.b. Discuss in detail about interaction between converters.

7.a. What constant current LED drive and discuss it.

(Or)

7.b. Analyze isolation and non-isolation in driver circuits.

8.a. Explain the working principle of CFL inverters.

(Or)

8.b. How to calculate the inverter battery capacity?

9.a. Why switched mode regulation required and give detailed explanation?

(Or)

9.b. Explain different type of pulse generation circuit.

Course Coordinator

HoD/EEE

Principal

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Website: - www.miet.edu

Ph: 0431 – 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
One Page Report

Name of the Course: Design of Power Converter and Applications

Course Code: EE17181

Course Coordinators: Mr. J.Gopi, AP/EEE

Total Hours: 34   Academic Year: 2017 - 2018

I hereby affirm that the entire course contents in the certificate program "Design of Power Converter and Applications" listed in the certificate program 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 "Design of Power Converter and Applications" 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

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GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

MIET INSTITUTIONS Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. D.PRIYA

of Final year E.E.E has Completed the Course on

Design of Power Convertor from 12/06/17 to 16/06/17
and Applications

Course Coordinator

Hod

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GUNDUR, TIRUCHIRAPPALLI-620 007.

Principal

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

MIET INSTITUTIONS Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. __M. AJAGH__

of __Final Year E.E.E__ has Completed the Course on

__Design of Power converter and__ from __12/06/17__ to __16/06/17__
__Applications.__

Course Coordinator   Hod   Principal

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M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

MIET INSTITUTIONS Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. S. RESHMA FARHA

of Final Year E.E.E has Completed the Course on

Design of power converter from 12/06/17 to 16/06/17 and Applications.

Course Coordinator

Hod

Principal

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GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

Course Completion Certificate

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This is to Certify that Mr/Ms. Y. ANTONY SELVAM

of Final year EEE has Completed the Course on

Design of Power Converter from 12/06/17 to 16/06/17
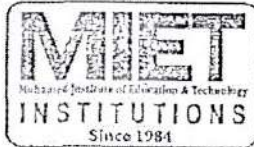and Applications.

Course Coordinator   Hod   Principal

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M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

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Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. G. KANNAN

of Final year E.E.E has Completed the Course on

Design of Power Converter and Applications from 12-/06/17 to 16/06/17

Course Coordinator

Hod

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GUNDUR, TIRUCHIRAPPALLI-62

Principal

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Website: - www.miet.edu

Ph: 0431 – 2660 303

Date: 01.06.2017

To

The Principal,

M.I.E.T Engineering College,

Trichy – 620007

Respected Madam,

   Sub: Permission to conduct the certificate program – Reg.

We have planned to conduct the certificate program for our third year students from 12.06.17 to 16.06.17 at 09.30am to 05.00pm.

Name of the Certificate Program	Course Coordinator
Power Quality Issues in Industrial Loads	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

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Website: - www.miet.edu

Ph: 0431 – 2660 303

05.06.17

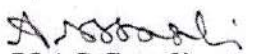## CIRCULAR

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
Power Quality Issues in Industrial Loads	Mr. E.Muthukumaran, AP/EEE
Commencement of course from 12.06.17 to 16.06.17	
Timing: 09.30 AM to 05.00 PM	

Course Coordinator   IQAC Coordinator   HOD/EEE   Principal

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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: Power Quality Issues in Industrial Loads

Course Code: EE17182

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

Total Hours: 32   **Academic Year: 2017-2018**

Objectives:

- To provide the knowledge about various power quality problems arise in industry.
- To analyze and comprehend the various condition monitoring procedure available in industry.
- To know about the different ways of harmonics elimination methodology adopted for electric drives.
- To analyze the power factor management related to high inductive loads.

Unit I – Introduction to Power Quality Problems   7

Types of power quality issues, regulations, standards, prevention techniques, measurements. analysis and real-time tests.

Unit II –Harmonics   7

Causes of harmonics, Harmonics signatures, Effect of harmonics, Guide lines for harmonic voltage and current limitation, Harmonic current mitigation.

Unit III –Condition Monitoring in Industry   6

Types of faults, test methods, sensors and measurement techniques, traditional and advanced diagnostic methods, case studies and real-time tests.

Unit IV –Power Quality Measurement   6

Power quality measurement devices, Power quality measurements, Number of test locations. Test duration, Instrument setup, Instrument set up guidelines.

Unit V – Power Factor Management in Industry   6

Power factor improvement, correction, penalty, voltage rise due to capacitance. application of synchronous condensers and static VAR compensators.

Course Outcomes:

The students will be able to

- Ability to understand and analyze various power quality issues arose in industry.
- Ability to monitor the stage of power factor improvement in highly inductive and non-linear loads.

References:
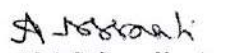
[1] Bhim Singh, Ambrish Chandra, Kamal Al-Hadded. "Power Quality : Problems and Mitigation Techniques", Wiley, 2010.

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[2] Roger C.Dugan, "Electrical Power System Quality", Tata Mcgraw Hill, Third Edition, 2013.

[3] Dennis Sifsofe Anyomi, "Power Quality and Industrial Performance", Anchor Academic Publishing, 2015.

Course Coordinator   IQAC Coordinator   HOD/EEE   Principal

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Ph: 0431 – 2660 203

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Willing Student list

CP1 Coordinator: Mr. J.Gopi, AP/EEE
CP2 Coordinator: Mr. E.Muthukumaran, AP/EEE
CP3 Coordinator: D.Tamilselvan, AP/EEE

Academic Year: 2017-2018

SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
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	✓		
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	✓		

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GUNDUR, TIRUCHIRAPPALLI-620 007.

SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
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	✓		
30.	KANNAN G	✓		
31.	KAUSALYA K	✓		
32.	LOHESHWARAN A	✓		
33.	MANIRAJAN N	✓		
34.	MANSUR BAHATH M	✓		
35.	MOHAMED ASHIK S	✓		
36.	MOHAMED HUSSAIN M	✓		
37.	PRIYA D	✓		
38.	RAJA M	✓		
39.	RAJA PRAVEEN S	✓		
40.	RAJASEKAR M	✓		
41.	RANJITH R	✓		

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M.I.E.T. ENGINEERING COLLEGE
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SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
42.	RIYAZ MOHAMED M	✓		
43.	SARANYA R	✓		
44.	SOBAN RAJ T	✓		
45.	THAMOTHARAN S	✓		
46.	THANGAMAYIL P	✓		
47.	VIJAY S	✓		
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.	MOHAMEDASIK.J		✓	✓
15.	MOHAMED LUKMAN.K.M		✓	✓
16.	MOHAMED MUFASIL MUFEETH.K.M		✓	✓
17.	MOHAMED MUSTAQ.M.S		✓	✓
18.	MOHAMED NABIL.B		✓	✓
19.	MOHAMED NASURUDEEN.J		✓	✓

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GUNDUR, TIRUCHIRAPPALLI-620 007.

SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
20.	MOHAMED RAZIK.K.A		✓	✓
21.	MOHAMED THAGIR.M		✓	✓
22.	MOHAMED THAREEK.A			✓
23.	MOHAMED YASEER.M		✓	✓
24.	MOHAMED YASIR ARABATH.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.	PRAKASHRAJ.A		✓	✓
34.	PRAVEENKUMAR.S.P		✓	✓
35.	PRIYANKA.S		✓	✓
36.	RAGUL.V		✓	✓
37.	RAVICHANDRAN.B		✓	✓
38.	RUBI.R		✓	✓
39.	SALMANKHAN.S		✓	✓
40.	SAYED AASIQUE.Y		✓	✓
41.	SENTHIL KUMAR.P		✓	✓
42.	SHAHANA BEGAM.S		✓	✓
43.	SHEIK ABDUL AZEEZ.A			✓
44.	SHEIK ABDULLASHA.J			✓

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GUNDUR, TIRUCHIRAPPALLI-620 007.

SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
45.	SHEKABDULLA.S		✓	✓
46.	SIVA KUMAR.M		✓	✓
47.	SIVASANKAR.S		✓	✓
48.	SOWNDHARYA.S		✓	✓
49.	THANVEER AHAMED.A.R		✓	
50.	THUNGABDULRAHMAN.S		✓	✓
51.	VENKATESH.N		✓	✓
52.	VIGNESH.V (26-02-1997)		✓	✓
53.	VINOTH.G		✓	✓
54.	ANIFNABI. A		✓	✓
55.	ASHIKA. S		✓	✓
56.	HAJAMOHAMEDIRFAN. 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		✓	✓

Course Coordinator   HOD/EEE   Principal

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GUNDUR, TIRUCHIRAPPALLI-620 007

M.I.E.T. ENGINEERING COLLEGE

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

Name of the Course: Power Quality Issues in Industrial Loads

Course Code: EE17182

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

Total Hours: 32

Academic Year: 2017-2018

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Introduction of power quality issues and its importance		
2.	Types of power quality issues		
3.	Regulations		
4.	Standards	7	12.06.17
5.	Prevention techniques		
6.	Measurements		
7.	Analysis and real-time tests		
8.	Causes of harmonics		
9.	Harmonics signatures		
10.	Effect of harmonics		
11.	Effect of harmonics	7	13.06.17
12.	Guide lines for harmonic voltage limitation		
13.	Guide lines for harmonic current limitation		
14.	Harmonic current mitigation		
15.	Types of faults		
16.	Test methods		
17.	Sensors and Measurement techniques		
18.	Traditional and advanced diagnostic methods	6	14.06.17
19.	Case studies and Real-time tests		
20.	Case studies Real-time tests		
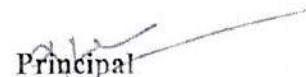
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Sl.No	Topics to be Covered	Hours	Date of Delivery
21.	Power quality devices		
22.	Power quality measurement		
23.	Number of test locations		
24.	Test duration	6	15.06.17
25.	Instrument setup		
26.	Instrument set up guidelines		
27.	Power factor improvement		
28.	Correction		
29.	Penalty		
30.	Voltage rise due to capacitance	6	16.06.17
31.	Application of synchronous condensers		
32.	Static VAR compensators		

Course Coordinator

HOD/EEE

Principal

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	Power Quality Issues in Industrial Loads
Course Code	EE17182
Duration and timing of the program	32 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	➤ 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	➤ Teaching Experience – 10 Years.

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Ph: 0431 – 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Course (III Year – V Semester)
Attendance Sheet

Name of the Course: Power Quality Issues in Industrial Loads
Course Code: EE17182
Course Coordinators: Mr. E.Muthukumaran, AP/EEE
Academic Year: 2017-2018

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.	ABIRAM SAM SEELAN.V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	AJITH KUMAR.C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	ALAGESAN.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	AMEER SUHAIL.S	/	/	/	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
5.	CHARLES.P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	DHIVYA.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	GOVINDARAJ.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	JAYABALAN.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	JENNERSON.I	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	LEOANTONY.W	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

PRINCIPAL
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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
11.	MAHESHWARAN.K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12.	MANIMARAN.K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13.	MOHAMEDASIK.J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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	a	a	a	a	a	a	a	a	a	a	a	a	a	a	✓	✓
18.	MOHAMED NASURUDEEN.J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19.	MOHAMED RAZIK.K.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20.	MOHAMED THAGIR.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21.	MOHAMED YASEER.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22.	MOHAMED YASIR ARABATH.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23.	MUTHUMAR.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24.	NAFEES AHMED.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25.	NANDHINI.J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26.	NITHYA.R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27.	NOORUL AMEEN.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28.	PANDIYAN.G	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	✓	✓
29.	PAVITHRA.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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.	PON MANIKANDA PRABHU.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓
31.	PRAKASHRAJ.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
32.	PRAVEENKUMAR.S.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	a	a	a	a	a	✓	✓
33.	PRIYANKA.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
34.	RAGUL.V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35.	RAVICHANDRAN.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	a	a	a	a	a	✓	✓
36.	RUBI.R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37.	SALMANKHAN.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38.	SAYED AASIQUE.Y	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39.	SENTHIL KUMAR.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40.	SHAHANA BEGAM.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41.	SHEKABDULLA.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
42.	SIVA KUMAR.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
43.	SIVASANKAR.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44.	SOWNDHARYA.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45.	THANVEER AHAMED.A.R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
46.	THUNGABDULRAHMAN.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
47.	VENKATESH.N	a	a	a	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
48.	VIGNESH.V (26-02-1997)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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
49.	VINOTH.G	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50.	ANIFNABI. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
51.	ASHIKA. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
52.	HAJAMOHAMEDIRFAN. I	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
53.	JOSEPH PRABAKARAN. R	/	/	/	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
54.	KIRUBAANETHI. C.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
55.	MOHAMED ASLAM. J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
56.	MOHAMED MUSTAK ALI. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
57.	PRAKASH. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
58.	SATHISH. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59.	SINEHAVARAN. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
60.	YASAR. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	a	/	/

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

SL.NO	STUDENT NAME	23 15/6	24 15/6	25 15/6	26 15/6	27 16/6	28 16/6	29 16/6	30 16/6	31 16/6	32 16/6
1.	ABIRAM SAM SEELAN.V	/	/	/	/	/	/	/	/	/	/
2.	AJITH KUMAR.C	/	/	/	/	/	/	/	/	/	/
3.	ALAGESAN.M	/	/	/	/	/	/	/	/	/	/
4.	AMEER SUHAIL.S	/	/	/	/	/	/	/	/	/	/
5.	CHARLES.P	/	/	/	/	/	/	/	/	/	/
6.	DHIVYA.B	/	/	/	/	/	/	/	/	/	/
7.	GOVINDARAJ.B	/	/	/	/	/	/	/	/	/	/
8.	JAYABALAN.M	/	/	/	/	/	/	/	/	/	/
9.	JENNERSON.I	/	/	/	/	/	/	/	/	/	/
10.	LEOANTONY.W	/	/	/	/	/	/	/	/	/	/
11.	MAHESHWARAN.K	/	/	/	/	/	/	/	/	/	/
12.	MANIMARAN.K	/	/	/	/	/	/	/	a	a	a
13.	MOHAMEDASIK.J	/	/	/	/	/	/	/	/	/	/
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	a	a
18.	MOHAMED NASURUDEEN.J	/	/	/	/	/	/	/	/	/	/
19.	MOHAMED RAZIK.K.A	/	/	/	/	/	/	/	/	/	/

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

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32
		15/6	15/6	15/6	15/6	16/6	16/6	16/6	16/6	16/6	16/6
20.	MOHAMED THAGIR.M	/	/	/	/	/	/	/	/	/	/
21.	MOHAMED YASEER.M	/	/	/	/	∧	/	/	/	/	/
22.	MOHAMED YASIR ARABATH.M	/	/	/	/	/	/	/	/	/	/
23.	MUTHUMARI.E	/	/	/	/	/	/	/	/	/	/
24.	NAFEES AHMED.A	/	/	/	/	/	/	/	/	/	/
25.	NANDHINI.J	/		/	/	/	/	/	/	/	/
26.	NITHYA.R	/	/	/	/	/	/	/	/	/	/
27.	NOORUL AMEEN.M	/	/	/	/	/	/	/	/	/	/
28.	PANDIYAN.G	a	a	a	a	a	a	a	a	a
29.	PAVITHRA.E	/	∧	/	/	∧	∧	/	/	/	/
30.	PON MANIKANDA PRABHU.B	/	/	/	/	/	/	/	/	/	/
31.	PRAKASHRAJ.A	∧	/	/	/	/	/	/	/	/	/
32.	PRAVEENKUMAR.S.P	/	/	/	/	/	/	/	/	/	/
33.	PRIYANKA.S	/	/	/	/	/	/	/	/	/	/
34.	RAGUL.V	/	/	/	/	/	/	/	/	/	/
35.	RAVICHANDRAN.B	/	/	/	/	/	/	/	/	/	/
36.	RUBI.R	/	/	/	/	/	/	/	/	/	/
37.	SALMANKHAN.S	/	/	/	/	/	/	/	/	/	/
38.	SAYED AASIQUE.Y	/	/	/	/	/	/	/	/	/	/

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32
		15/6	15/6	15/6	15/6	16/6	17/6	16/6	14/6	14/6	15/6
39.	SENTHIL KUMAR.P	/	/	/	/	/	/	/	/	/	
40.	SHAHANA BEGAM.S	/	/	/	/	/	/	/	/	/	/
41.	SHEKABDULLA.S	/	/	/	/	/	/	/	/	/	/
42.	SIVA KUMAR.M	/		/	/	/	/	/	/	/	/
43.	SIVASANKAR.S	/	/	/	/	/	/	/	/	/	/
44.	SOWNDHARYA.S	/	/	/	/	/	/	/	/	/	/
45.	THANVEER AHAMED.A.R	/	/	/	/	/	/	/	/	/	/
46.	THUNGABDULRAHMAN.S	/	/	/	/	/	/	/	/	/	/
47.	VENKATESH.N	/	/	/	/	/	/	/	/	/	/
48.	VIGNESH.V (26-02-1997)	/	/	/	/	/	/	/	/	/	/
49.	VINOTH.G	/	/	/	/	/	/	/	/	/	/
50.	ANIFNABI. A	/	/	/	/	/	/	/	/	/	/
51.	ASHIKA. S	/	/	/	/	/	/	/	/	/	/
52.	HAJAMOHAMEDIRFAN. I	/	/	/	/	/	/	/	/	/	/
53.	JOSEPH PRABAKARAN. R	/	/	/	/	a	a	a	a	a	a
54.	KIRUBAANETHI. C.M	/	/	/	/	/	/	/	/	/	/
55.	MOHAMED ASLAM. J	/	/	/	/	/	/	/	/	/	/
56.	MOHAMED MUSTAK ALI. M	/	/	/	/	/	/	/	/	/	/
57.	PRAKASH. B	/	/	/	/	/	/	/	/	/	/

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GUNDUR, TIRUCHIRAPPALLI-620 007.

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32
		15/6	15/6	15/6	15/6	16/6	16/6	16/6	17/6	17/6	17/6
58.	SATHISH. M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
59.	SINEHAVARAN. M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
60.	YASAR. M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Course Coordinator

HOD/EEE

Principal

M.I.E.T. ENGINEERING COLLEGE

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Program Assessment Test

Name of the course: Power Quality Issues in Industrial Load
Course Code: EE17182
Academic Year: 2017-2018

Date: 20.06.17
Time: 01:30 hrs

Answer All the Questions (5*2=10)
PART-A

1. What is power quality?

2. List the power quality standards?

3. Classify the harmonics.

4. How to detect fault in power circuit?

5. What is the causes for voltage swell?

Answer All the Questions (4*10=40)
PART – B

6.a. Draw the power quality curve and explain it detail.

(Or)

6.b. Explain the various power quality issues.

7.a. How to mitigate the harmonics explain it in detail?

(Or)

7.b. Analyze power quality issues related to harmonics.

8.a. Explain various case studies power quality.

(Or)

8.b. What are the general requirement in industry to maintain the quality of power?

9.a. Why power factor correction is required and explain it with one method?

(Or)

9.b. Explain working principle of static VAR compensator.

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Ph: 0431 – 2660 303

One Page Report

Name of the Course: Power Quality Issues in Industrial Loads
Course Code: EE17182
Course Coordinators: Mr. E.Muthukumaran, AP/EEE
Total Hours: 32   Academic Year: 2017-2018

I hereby affirm that the entire course contents in the certificate program "Power Quality Issues in Industrial Loads" 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 "Power Quality Issues in Industrial Loads" 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

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GUNDUR, TIRUCHIRAPPALLI-620 007

M.I.E.T. ENGINEERING COLLEGE
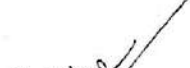
Trichy, Pudukkottai Road, Trichy - 620 007.

MIET
Mohamed Institute of Education & Technology
INSTITUTIONS
Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. _J. NANDHINI_

of _Third Year EEE_ has Completed the Course on

" _Power Quality Issues in_ from _12.06.2017_ to _16.06.2017_
Industrial Loads "

Course Coordinator   Hod   Principal

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M.I.E.T. ENGINEERING COLLEGE

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MIET INSTITUTIONS
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Course Completion Certificate

This is to Certify that Mr/Ms. _K. MANIMARAN_

of _Third Year EEE_ has Completed the Course on

" _Power Quality Issues in_ from _12.06.2017_ to _16.06.2017_
Industrial Loads"

Course Coordinator   Hod   Principal

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M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

MIET INSTITUTIONS Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. _____ J. AMEER SUHAIL _____

of _____ Third Year EEE _____ has Completed the Course on

" Power Quality Issues in _____ from 12.06.2017 to 16.06.2017.
Industrial Loads "

Course Coordinator   Hod   Principal

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

Course Completion Certificate

MIET INSTITUTIONS Since 1984

This is to Certify that Mr/Ms. _____S. PRIYANKA_____

of _____Third Year EEE_____ has Completed the Course on

"_Power Quality Issues in_ from _12.06.2017_ to _16.06.2017_

Industrial Loads"

Course Coordinator   Hod   Principal

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

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Course Completion Certificate

This is to Certify that Mr/Ms. _S. SALMANKHAN_

of _Third Year EEE_ has Completed the Course on

" _Power Quality Issues in_ from _12.06.2017_ to _16.06.2017_
Industrial Loads "

Course Coordinator   Hod   Principal

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Ph: 0431 – 2660 303

One Page Report

Name of the Course: Power Quality Issues in Industrial Loads
Course Code: EE17182
Course Coordinators: Mr. E.Muthukumaran, AP/EEE
Total Hours: 32   Academic Year: 2017-2018

I hereby affirm that the entire course contents in the certificate program "Power Quality Issues in Industrial Loads" 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 "Power Quality Issues in Industrial Loads" 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

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Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

Date: 04.12.2017

To

The Principal

M.I.E.T Engineering College,

Trichy – 620007

Respected Madam,

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

We have planned to conduct the value added course for our third year students from 11.12.17 to 15.12.17.

Name of the certificate program	Course Coordinator
Power Electronics Using MATLAB	Mr.D.Tamilselvan., AP/EEE

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

Thanking you

Course Coordinator   HoD/EEE   Principal

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

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6.12.17
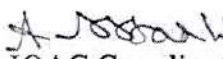
CIRCULAR

Sub: Certificate Program

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

The certificate program is short term certificate courses which are designed and offered by our department for the benefit of our students. Course 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 certificate program can enroll their name to the course coordinator.

Name of the Certificate Program	Course Coordinator
Power Electronics Using MATLAB	Mr.D.Tamilselvan., AP/EEE
Commencement of course from 11.12.17 to 15.12.17 **Time: 09.30 AM – 05.00 PM**	

Course Coordinator   IQAC Coordinator   HoD/EEE   Principal

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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 – VI Semester)
Course Syllabus

Name of the course: Power Electronics Using MATLAB
Course Code: EE17183
Course Coordinator: Mr.D.Tamilselvan., AP/EEE
Total Hours: 34   **Academic Year: 2017-2018**

Objective

- To Impart the Knowledge to the students with MATLAB software.
- To introduce theconcept ofMATLAB/SIMULINK for power semiconductor devices and power electronics applications.

Unit I – Introduction to MATLAB   7

Mathematical functions– Vector and matrix operations–Arrays–Simulink library browser Circuit elements–Simulating the model.

Unit II – MATLAB Simulation of Power Semiconductor Devices   7

Power Diode– Thyristors– Power MOSFET– Gate turn off thyristors (GTO) – Insulated-gate bipolar transistor (IGBT).

Unit III – Phase Controlled Rectifier   7

Gate triggering methods– Rectifier and its classification– Six pulse converter.

Unit IV – DC Choppers   7

Chopper configuration– Type A- chopper, Type B chopper, Type C chopper, Type D chopper and Type D chopper– Switched mode regulators– Boost converter and Buck converter with closed loop.

Unit V –Inverters   6

Voltage source inverters– Single phase half –bridge inverter with R and RL load –Single phase full –bridge inverter with Rand RL load -Pulse width modulation techniques

Course Outcome
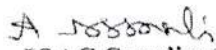
The students will be able to

- Understand the basics of simulink
- Able to simulate the phase controlled rectifier, Chopper and Inverter.
- Able to simulate closed loop control for Boost and Buck converter.

References
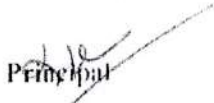
These are some of the links and books which can help students in increasing their knowledge base and clarification of the doubts.

[1] http://www.eng-tips.com/threadminder.cfm?pid=575
[2] http://www.matlabtutorials.com/mathforum/
[3] http://www.mathworks.in/matlabcentral/
[4] http://www.cfd-online.com/Forums/tags/matlab.html
[5] http://diydrones.com/forum/topic/listForTag?tag=Matlab

Course Coordinator   IQAC Coordinator   HoD/EEE   Principal

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Willing Student list

CP1 Coordinator: Mr. J.Gopi, AP/EEE
CP2 Coordinator: Mr. E.Muthukumaran, AP/EEE
CP3 Coordinator: D.Tamilselvan, AP/EEE

Academic Year: 2017-2018

SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
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	✓		
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	✓		

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SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
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	✓		
30.	KANNAN G	✓		
31.	KAUSALYA K	✓		
32.	LOHESHWARAN A	✓		
33.	MANIRAJAN N	✓		
34.	MANSUR BAHATH M	✓		
35.	MOHAMED ASHIK S	✓		
36.	MOHAMED HUSSAIN M	✓		
37.	PRIYA D	✓		
38.	RAJA M	✓		
39.	RAJA PRAVEEN S	✓		
40.	RAJASEKAR M	✓		
41.	RANJITH R	✓		

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SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
42.	RIYAZ MOHAMED M	✓		
43.	SARANYA R	✓		
44.	SOBAN RAJ T	✓		
45.	THAMOTHARAN S	✓		
46.	THANGAMAYIL P	✓		
47.	VIJAY S	✓		
48.	ABIRAM SAM SEELAN.V		✓	✓
49.	AJITH KUMAR.C		✓	✓
50.	ALAGESAN.M		✓	✓
51.	AMEER SUHAIL.S		✓	✓
52.	ANTONY.A			
53.	CHARLES.P		✓	✓
54.	DHIVYA.B		✓	✓
55.	GOVINDARAJ.B		✓	✓
56.	JAYABALAN.M		✓	✓
57.	JENNERSON.I		✓	✓
58.	LEOANTONY.W		✓	✓
59.	MAHESHWARAN.K		✓	✓
60.	MANIMARAN.K		✓	✓
61.	MOHAMEDASIK.J		✓	✓
62.	MOHAMED LUKMAN.K.M		✓	✓
63.	MOHAMED MUFASIL MUFEETH.K.M		✓	✓
64.	MOHAMED MUSTAQ.M.S		✓	✓
65.	MOHAMED NABIL.B		✓	✓
66.	MOHAMED NASURUDEEN.J		✓	✓

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GUNDUR, TIRUCHIRAPPALLI-620 007.

SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
67.	MOHAMED RAZIK.K.A		✓	✓
68.	MOHAMED THAGIR.M		✓	✓
69.	MOHAMED THAREEK.A			✓
70.	MOHAMED YASEER.M		✓	✓
71.	MOHAMED YASIR ARABATH.M		✓	✓
72.	MUTHUMARI.E		✓	✓
73.	NAFEES AHMED.A		✓	✓
74.	NANDHINI.J		✓	✓
75.	NITHYA.R		✓	✓
76.	NOORUL AMEEN.M		✓	✓
77.	PANDIYAN.G		✓	✓
78.	PAVITHRA.E		✓	✓
79.	PON MANIKANDA PRABHU.B		✓	
80.	PRAKASHRAJ.A		✓	✓
81.	PRAVEENKUMAR.S.P		✓	✓
82.	PRIYANKA.S		✓	✓
83.	RAGUL.V		✓	✓
84.	RAVICHANDRAN.B		✓	✓
85.	RUBI.R		✓	✓
86.	SALMANKHAN.S		✓	✓
87.	SAYED AASIQUE.Y		✓	✓
88.	SENTHIL KUMAR.P		✓	✓
89.	SHAHANA BEGAM.S		✓	✓
90.	SHEIK ABDUL AZEEZ.A			✓
91.	SHEIK ABDULLASHA.J			✓

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SL. NO	STUDENT NAME	CP1 Design of Power Converter and Applications	CP2 Power Quality Issues in Industrial Loads	CP3 Power Electronics Using MATLAB
92.	SHEKABDULLA.S		✓	✓
93.	SIVA KUMAR.M		✓	✓
94.	SIVASANKAR.S		✓	✓
95.	SOWNDHARYA.S		✓	✓
96.	THANVEER AHAMED.A.R		✓	
97.	THUNGABDULRAHMAN.S		✓	✓
98.	VENKATESH.N		✓	✓
99.	VIGNESH.V (26-02-1997)		✓	✓
100.	VINOTH.G		✓	✓
101.	ANIFNABI. A		✓	✓
102.	ASHIKA. S		✓	✓
103.	HAJAMOHAMEDIRFAN. I		✓	✓
104.	JOSEPH PRABAKARAN. R		✓	✓
105.	KIRUBAANETHI. C.M		✓	✓
106.	MOHAMED ASLAM. J		✓	✓
107.	MOHAMED MUSTAK ALI. M		✓	✓
108.	PRAKASH. B		✓	✓
109.	SATHISH. M		✓	✓
110.	SINEHAVARAN. M		✓	
111.	YASAR. M		✓	✓

Course Coordinator   HOD/EEE   Principal

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Program (III Year – VI Semester)
Course Delivery

Name of the Course: Power Electronics Using MATLAB
Course Code: EE17183
Course Coordinator: Mr.D.Tamilselvan., AP/EEE
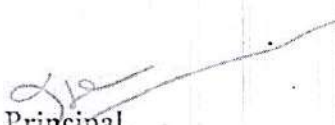Total Hours: 34
Academic Year: 2017-2018

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Mathematical functions		
2.	Vector and matrix operations		
3.	Arrays		
4.	Simulink library browser	7	11.12.17
5.	Circuit elements		
6.	Circuit elements		
7.	Simulating the model		
8.	Thyristors		
9.	Power Diode		
10.	Power MOSFET		
11.	Gate turn off thyristors (GTO)	7	12.12.17
12.	Insulated-gate bipolar transistor (IGBT).		
13.	Gate triggering methods		
14.	Gate triggering methods		
15.	Rectifier and its classification		
16.	Rectifier and its classification	7	13.12.17
17.	Six pulse converter		
18.	Six pulse converter		

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Sl.No	Topics to be Covered	Hours	Date of Delivery
19.	Chopper configuration		
20.	Type A chopper		
21.	Type B chopper		
22.	Type A chopper and Type B chopper		
23.	Type D chopper and Type D chopper		
24.	Switched mode regulators		
25.	closed loop control	7	14.12.17
26.	Boost converter with closed loop.		
27.	Buck converter with closed loop.		
28.	Voltage source inverters		
29.	Voltage source inverters		
30.	Single phase half –bridge inverter with R load		
31.	Single phase half –bridge inverter with RL load		
32.	Single phase full –bridge inverter with R	6	15.12.17
33.	Single phase full –bridge inverter with RL load		
34.	Pulse width modulation techniques		

Course Coordinator

HoD/EEE

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Resource Person Details

Title of the program	Power Electronics Using MATLAB
Course Code	EE17183
Duration and timing of the program	34 Hrs, 9:00 AM to 5:00 PM
Name of the resource person	D.Tamilselvan
Photo of the resource person	
Email address	tamilselvan.t@miet.edu
Contact number	9787393272
Designation	Assistant Professor
Educational qualification	➢ Completed B.E., Electrical and Electronics Engineering from Sri Sairam Engineering College during 2001. ➢ Completed M.E., Power Electronics and Drives from St.Joseph's College of Engineering during 2009. ➢ Pursuing Ph.D in High gain DC – DC Converter at Anna University, Chennai from St.Joseph's College of Engineering
Experience	➢ Industrial experience – 4 Years. ➢ Teaching Experience – 12 Years.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Certificate Program (III Year – VI Semester)
Attendance Sheet

Name of the Course: Power Electronics Using MATLAB
Course Code: EE17183
Course Coordinator: Mr.D.Tamilselvan., AP/EEE
Total Hours: 34
Academic Year: 2017-2018

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.	ABIRAM SAM SEELAN.V	✓	✓	✓	✓	✓	✓	✓	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	c
2.	AJITH KUMAR.C	✓	✓	✓	✓	✓	✓	✓	✓	c	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3.	ALAGESAN.M	✓	✓	✓	✓	✓	✓	✓	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
4.	AMEER SUHAIL.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.	CHARLES.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6.	DHIVYA.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7.	GOVINDARAJ.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8.	JAYABALAN.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9.	JENNERSON.I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	a	a
10.	LEOANTONY.W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1

PRINCIPAL
M.I.E.T. ENGINEERING CO.
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
11.	MAHESHWARAN.K	/	/	/	/	/	/	/	/	/		/	/	/	/		/	/	/	/		/	/
12.	MANIMARAN.K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	MOHAMEDASIK.J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	/
14.	MOHAMED LUKMAN.K.M	/	/	/	/	/	/	/	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/
15.	MOHAMED MUFASIL MUFEETH.K.M	/	/	/	/	/	/	/	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/
16.	MOHAMED MUSTAQ.M.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	MOHAMED NABIL.B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	MOHAMED NASURUDEEN.J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	MOHAMED RAZIK.K.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	MOHAMED THAGIR.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	MOHAMED THAREEK.A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	MOHAMED YASEER.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	MOHAMED YASIR ARABATH.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	MUTHUMARI.E	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	NAFEES AHMED.A		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	NANDHINI.J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	NITHYA.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	NOORUL AMEEN.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	PANDIYAN.G	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	a	a	a	a
30.	PAVITHRA.E	/	/	/	/		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

2

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
31.	PRAKASHRAJ.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓
32.	PRAVEENKUMAR.S.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓
33.	PRIYANKA.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓			
34.	RAGUL.V	a	a	a	a	o	a	a	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓
35.	RAVICHANDRAN.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	
36.	RUBI.R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	
37.	SALMANKHAN.S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38.	SAYED AASIQUE.Y	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39.	SENTHIL KUMAR.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	
40.	SHAHANA BEGAM.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓
41.	SHEIK ABDUL AZEEZ.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	
42.	SHEIK ABDULLASHA.J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
43.	SHEKABDULLA.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44.	SIVA KUMAR.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45.	SIVASANKAR.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
46.	SOWNDHARYA.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
47.	THUNGABDULRAHMAN.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
48.	VENKATESH.N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
49.	VIGNESH.V (26-02-1997)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50.	VINOTH.G	✓	✓	✓	✓	✓	✓	✓	a	o	a	a	a	a	o	✓	✓	✓	✓	✓	✓	✓	✓
51.	ANIFNABI. A	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓	✓	✓	✓	✓	

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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
52.	ASHIKA. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
53.	HAJAMOHAMEDIRFAN. 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	✓	✓	✓	✓	✓	✓	✓	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32	33	34
1.	ABIRAM SAM SEELAN.V	✓	✓	✓	✓	✓	✓	a	a	a	a	a	a
2.	AJITH KUMAR.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3.	ALAGESAN.M	a	a	a	a	a	a	a	a	a	a	a	a
4.	AMEER SUHAIL.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.	CHARLES.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6.	DHIVYA.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7.	GOVINDARAJ.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8.	JAYABALAN.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9.	JENNERSON.I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10.	LEOANTONY.W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11.	MAHESHWARAN.K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12.	MANIMARAN.K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
13.	MOHAMEDASIK.J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
20.	MOHAMED THAGIR.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21.	MOHAMED THAREEK.A	a	a	a	a	a	a	✓	✓	✓	✓	✓	✓

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

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32	33	34
22.	MOHAMED YASEER.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23.	MOHAMED YASIR ARABATH.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24.	MUTHUMARI.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25.	NAFEES AHMED.A	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓
26.	NANDHINI.J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27.	NITHYA.R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28.	NOORUL AMEEN.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
29.	PANDIYAN.G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30.	PAVITHRA.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
31.	PRAKASHRAJ.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32.	PRAVEENKUMAR.S.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
33.	PRIYANKA.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
34.	RAGUL.V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35.	RAVICHANDRAN.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
36.	RUBI.R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37.	SALMANKHAN.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38.	SAYED AASIQUE.Y	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39.	SENTHIL KUMAR.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40.	SHAHANA BEGAM.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41.	SHEIK ABDUL AZEEZ.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
42.	SHEIK ABDULLASHA.J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

SL.NO	STUDENT NAME	23	24	25	26	27	28	29	30	31	32	33	34
43.	SHEKABDULLA.S	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
44.	SIVA KUMAR.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45.	SIVASANKAR.S	✓	✓	✓	✓	✓				✓	✓	✓	✓
46.	SOWNDHARYA.S	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	
47.	THUNGABDULRAHMAN.S	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
48.	VENKATESH.N	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
49.	VIGNESH.V (26-02-1997)	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
50.	VINOTH.G	a	a	a	a	a	a	✓	✓	✓	✓	✓	✓
51.	ANIFNABI. A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
52.	ASHIKA. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
53.	HAJAMOHAMEDIRFAN. I	✓	✓	✓	✓	✓		✓	✓	✓	a	a	a
54.	JOSEPH PRABAKARAN. R	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
55.	KIRUBAANETHI. C.M	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
56.	MOHAMED ASLAM. J	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
57.	MOHAMED MUSTAK ALI. M	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	
58.	PRAKASH. B	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
59.	SATHISH. M	✓	✓	✓	c	✓	✓	✓	✓	✓	✓	✓	✓
60.	YASAR. M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Course Coordinator   HOD/EEE   Principal

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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: Power Electronics Using MATLAB

Date: 19.12.18

Course Code: EE17183

Time: 01:30 hrs

Academic Year: 2017-2018

Answer All the Questions (2*25=50)

1.a. Design and simulate the closed loop boost converter using PWM technique.

(Or)

1.b. Simulate the closed loop single phase full bridge inverter with R load.

Course Coordinator   HoD/EEE   Principal

M.I.E.T. ENGINEERING COLLEGE

One Page Report

Name of the course: Power Electronics Using MATLAB

Course Code: EE17183

Course Coordinator: Mr.D.Tamilselvan., AP/EEE

Total Hours: 34

Academic Year: 2017-2018

I hereby affirm that the entire course contents in the certificate program "Power Electronics Using MATLAB" listed in the value added course syllabus have been performed by the students as the part of the prescribed co – curricular activities through add on course by NAAC and NBA.

I confirmed that the certificate program title as "Power Electronics Using MATLAB" was done by me in the beginning of the semester and course delivery with attendance of the students were 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
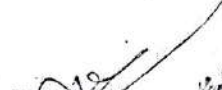
Trichy, Pudukkottai Road, Trichy - 620 007.
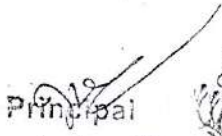
Course Completion Certificate

This is to Certify that Mr/Ms. _P. CHARLES_

of _Third Year EEE_ has Completed the Course on

Power Electronics Using MATLAB from _11.12.17_ to _15.12.17_

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. I. JENNERSON

of Third Year E.E.E _____ has Completed the Course on

Power Electronics Using MATLAB from 11.12.17 to 15.12.17

Course Coordinator

Hod

Principal

M.I.E.T. ENGINEERING COLLEGE

Trichy, Pudukkottai Road, Trichy - 620 007.

MIET INSTITUTIONS Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. M. NOORUL AMEEN

of Third year E.E.E has Completed the Course on

Power Electronics using MTLb from 11.12.17 to 15.12.17

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.

MIET INSTITUTIONS Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. _T. NANDHINI_

of _Third year EEE_ has Completed the Course on

Power Electronics Using MATLAB from _11.12.17_ to _15.12.17_

Course Coordinator   HOD   Principal

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

M.I.E.T. ENGINEERING COLLEGE
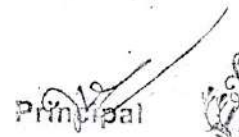
Trichy, Pudukkottai Road, Trichy - 620 007.

MIET INSTITUTIONS Since 1984

Course Completion Certificate

This is to Certify that Mr/Ms. _R. RUBI_

of _Third year EEE_ has Completed the Course on

Power Electronics Using MATLAB from _11.12.17_ to _15.12.17_

Course Coordinator   HOD   Principal

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