

(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)

	2018-2019		
Sl. No	Name of Add on /Certificate programs offered	Pg.No	
	EE18191 - Power System Planning and Reliability		
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	Circular	31	
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Ph: 0431 - 2660 303

Date: 04.06.2018

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 18.06.18 to 22.06.18 at 09.30 am to 05.00 pm.

Name of the Certificate Program	Course Coordinator	
Power System Planning and Reliability	Mr. S.Pandiarajan, AP/EEE	
Eq. (40)		

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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06.06.18

CIRCULAR

Sub: Certificate Program

It is planned to conduct the certificate program for the third year Electrical and Electronics Engineering students from 18.06.18 to 22.06.18 at 09.30 am to 05.00 pm.

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 Certificate Program	Course Coordinator
Power System Planning and Reliability	Mr. S.Pandiarajan, AP/EEE
Commencement of course fr	rom 18.06.18 to 22.06.18
Timing: 09.30 A)	M 05.00 PM

Course Coordinator

IQAC Coordinator

HOD/EEE.

Principal

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 System Planning and Reliability

Course Code: EE18191

Course Coordinators: Mr. S.Pandiarajan, AP/EEE

Total Hours: 34

Academic Year: 2018-2019

Objectives:

- To provide the knowledge about load forecasting, scheduling and risk management.
- To analyze the factors of reliability and risk analysis in the various situations of power systems.

Unit I - Introduction to Load Forecasting

Load forecasting categories - econometric and statistical model based learning - Fuzzy logic based method - sensitivity analysis and applications.

Unit II - Reliability Concepts & Risk Analysis

Power system structure, reliability notions & classifications, reliability based planning, risk analysis in power system planning.

Unit III - Tools and Techniques

Random process method, Markove models, Evaluation and UGF method. Monte-carlo simulation.

Unit IV - Reliability of Generation Systems

Capacity outage calculation, load probability method, unit commitment, optimal reserve management.

Unit V - Reliability Assessment

Reliability indices, overload capability, analysis of substation configurations, reliability analysis of protection systems.

Course Outcomes:

The students will be able to

- Ability to make the planning and reliability of power systems in different conditions.
- Ability to use the types of tools and techniques to evaluation of indices and overload capability and also protection systems for transmission and generation.

References:

- [1] Markey operations in electric power systems Forecasting, Scheduling, and Risk Management, Shahidehpour M, Yamin H, Li z, John Wlley & sons.
- [2] Reliability evaluation of power systems, Billinton R, Allan R (1996) Plenum Press New York.
- [3] Computational Methods in Power system Reliability, D. Elmakias, Springer-Verlag.

Course Coordinator

Assorb A IOAC Coordinator

HOD/EEE



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Willing Student list

CP1 Coordinator: Mr. S.Pandiarajan, AP/EEE CP2 Coordinator: Mr. S.Rajasekar, AP/EEE

Academic Year: 2018-2019

SL. NO	STUDENT NAME	<u>CP1</u> Power System Planning and Reliability	CP22 Industrial Wiring and House Wiring
1.	ABDULLAH J	✓	
2.	AJMAL AHAMED MARAICAR Y	✓	
3.	ARMAN SALIH AHMAD.A	- 1	
4.	ARULSAKTHI V	Y	and the second s
5.	AZARUDEEN S	✓	
6.	BRITTO S	/	
7.	CHANDHRU G	✓	
8.	DINAKARANT	✓	
9.	DIVAKARANN	/	
10.	ELANSEZHIYAN M	1	
11.	FAROOK DHEEN P	/	
12.	GANESHKUMAR J	~	
13.	GAYATHRI N	. ✓ ₂	
14.	HAJA NAJIMUDEEN A	✓	
15.	JAFFER HUSSAIN S	1	
16.	JUDITH A	✓	
17.	KALAITHASAN P	✓	27

SL.	STUDENT NAME	CP1 Power System Planning and Reliability	CP22 Industrial Wiring and House Wiring
18.	KALPANA K	· /	
19.	KAYALARASU N	✓	
20.	KIRUTHIKA J	✓	
21.	MANIKANDAN M	√	
22.	MANIKANDAN P	√	
23.	MOHAMED SHALIK M Y	1	
24.	MOHAMED ABDUL MALIK R	✓	
25.	MOHAMED ASLAM S	✓	
26.	MOHAMED BASHAJAN A		
27.	MOHAMED BASITH S	- 1	
28.	MOHAMED ISMAIL R	✓	
29.	MUHAMMED ALTHAF S	✓	
30.	NANCY D	√	
31.	NAZAR M	✓	
32.	NISHA U	V	
33.	NIVEDHA S	✓	
34.	PAVITHRA J	✓	
35.	PRADEEP R	✓	
36.	RAM KAVI N	V	14
37.	RIYAS MOHAMED A	V	
38.	RIYAZ AHAMED S	√	
39.	ROOBAN RAJ J	✓	
40.	SAKTHIVEL J	✓	
41.	SALAM B	✓	
42.	SALMAN KHAN I	✓	



SL. NO	STUDENT NAME	CP1 Power System Planning and Reliability	CP22 Industrial Wiring and House Wiring
43.	SAMEERALI S	· ✓	
44.	SARAVANAKUMAR G	✓	
45.	SEENI MOHAMED S	✓.	
46.	SELLARASU M	4	
47.	SHAIK RAHUMAN S	✓	
48.	SHANMUGARAJA J	✓	
49.	SIVARANJANI M	✓	
50.	SRIHARI S	4	
51.	SUЛТН S	✓	
52.	THAMARAISELVAN B	*	
53.	THERESLINE JOICE J	~	
54.	THIVAKAR D	~	
55.	VIGNESH V	~	
56.	VIKRAM S	~	
57.	ARUN NISANTHAN N	✓	
58.	DHEENADAYALAN Y	~	
59.	MANIKANDAN T	✓	
60.	MOHAMEDETHAYATH R	✓	
61.	MOHAMEDJAINUDEEN J B	~	
62.	MOHAMED KHAN M	~	
63.	MOHAMED RHISWAN ROSLAN H	~	
64.	MUHAMEDRISHWAN J	✓	145
65.	RAJMOHAMED S	4	
66.	SAIYADRIHAAN A	✓	1:
67.	SAMINATHAN B	✓	

SL. NO	STUDENT NAME	Power System Planning and Reliability	<u>CP22</u> Industrial Wiring and House Wiring
68.	SHEIK ISMAIL B	✓	
69.	SYEDYASHIP S	✓	
70.	YACOBUNATHAN S	· ·	
71.	ABDUL JALIL M		✓
72.	ALAGURAJA P		✓
73.	AMALA JESIMA V		✓
74.	AROCKIARAJ A		✓
75.	ARUL BRINDHA S		. 🗸
76.	ARUNKUMAR S		
77.	ARUNRAJ I		✓
78.	ASWIN K		1
79.	AZEEZ P		~
80.	BHARATHKUMAR R	All and a second	✓
81.	BHUVANESHWARI K		✓ .
82.	BRITTO P		1
83.	CELSIYA J		✓
84.	DINESH KUMAR P M		1
85.	FAISAL ALI KHAN A		✓
86.	JAHIRKHAN S		/
87.	JOESPHINE A		✓
88.	KALPANA R		
89.	KANMANI S K		✓
90.	KAVIPRIYA A		~
91.	MAHALAKSHMI M		✓
92.	МАНМООDH M A		✓

SL. NO	STUDENT NAME	Power System Planning and Reliability	<u>CP22</u> Industrial Wiring and House Wiring
93.	MANISHA S		· ·
94.	MANOJ KUMAR S		· · ·
95.	MASTHAN OLIYULLAH S	1	~
96.	MERCYMIRAKLINE V		✓
97.	MINNAL KUMAR V		4
98.	MOHAMED ABU ARIZ S		1
99.	MOHAMED ARSATH B		1
100.	MOHAMED ASLAM J		1
101.	MOHAMED IBRAHIM G		·
102.	MOHAMED MALIK K		√
103.	MOHAMED MUSTHAKEEM S		~
104.	MOHAMED YUSUF KHAN A		· ·
105.	MOHAMMED HUSSAIN S		1
106.	MONISHA SONIYA J		~
107.	MUTHUMALA M		- ·
108.	NISHA S		✓
109.	PEER MOHAMED B		
110.	PRAVEENKUMAR K		. 🗸
111.	PRIYADHARSHINI S		✓
112.	RAHULR		✓
113.	RAJAKEERTHI J M		✓
114.	RATHISH A		✓ .
115.	SANGAVI V		✓
116.	SATHAM HUSSIN S		✓
117.	SIVANESAN K		✓

SL. NO	STUDENT NAME	CP1 Power System Planning and Reliability	CP22 Industrial Wiring and House Wiring	
118.	SOWMIYA M		✓	
119.	SRIDEVI K R		/	
120.	THAISEER AHAMED J		· /	
121.	UTHAYANITHI R			
122.	VENMANI SELVAN D		1	
123.	VIGNESH D		1	
124.	VIMALA A			
125.	YOGESWARI T	✓		
126.	DHEENADHAYALAN R	→		
127.	DINESH M		✓	
128.	FARETH AHAMED M		V	
129.	HARIPRASAD S		✓	
130.	MOHAMED ASARUDEEN A		✓	
131.	MOHAMED RIYAZUDEEN J		✓	
132.	PRINCEKIRUTHIKA A		1	
133.	SATHIYA SEELAN M		· ~	

S. Pardit

Course Coordinator

HODEEE

Principal



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

Course Delivery

Name of the Course: Power System Planning and Reliability

Course Code: EE18191

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

Total Hours: 34

Academic Year:2018-2019

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Introduction and applications of planning & reliability		
2.	Load forecasting categories		
3.	Econometric model based learning		
4.	Statistical model based learning	7	18.06.18
5.	Fuzzy logic based method		15
6.	Fuzzy logic based method		
7.	Sensitivity analysis and applications		
8.	Power system structure		19.06.18
9.	Power system structure		
10.	Reliability notions		
11.	Classifications of Reliability	7	
12.	Reliability based planning		
13.	Risk analysis in power system planning		
14.	Risk analysis in power system planning		
15.	Random process method		
16.	Markove models		
17.	Markove models		20.06.18
18.	Evaluation and UGF method	7	20.00.16
19.	Evaluation and UGF method		
20.	Monte-carlo simulation		



SI.No	Topics to be Covered	Hours	Date of Delivery
21.	Monte-carlo simulation		
22.	Capacity outage calculation		
23.	Capacity outage calculation		
24.	Load probability method		
25.	Load probability method	7	21.06.18
26.	Unit commitment		
27.	Unit commitment		B.
28.	Optimal reserve management		2 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -
29.	Reliability indices		
30.	Overload capability		22.06.10
31.	Analysis of substation configurations		
32.	Analysis of substation configurations	6	22.06.18
33.	Reliability analysis of protection systems		*
34.	Reliability analysis of protection systems		

S. Parling

Course Coordinator

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DEPARTMENT OF ELCTRICAL AND ELECTRONICS ENGINEERING <u>Resource Person Details</u>

Title of the program	Power System Planning and Reliability	
Course Code	EE18191	
Duration and timing of the program	34 Hrs, 09:30 AM to 05:00 PM	
Name of the resource person	S.Pandiarajan	
Photo of the resource person		
Email address	Pandiarajan.s@miet.edu	
Contact number	9894894107	
Designation	Assistant Professor	
Educational qualification	 Completed B.E., Instrumentation and Control Engineering in Sethu Institute of Technology, Virudhunagar district in 2006. Completed M.E., Power Systems Engineering in Thiagarajar College of Engineering, Madurai in 2010. 	
Experience	➤ Teaching Experience – 12 Years.	



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

Attendance Sheet

Name of the course: Power System Planning and Reliability

Course code: EE18191

Course coordinator: Mr. S.Pandiarajan, AP/EEE Academic Year: 2018-2019

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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1.	ABDULLAH J	1	1	1	,	1	,	- (1	1	1,	1	1	1	1	1	1	10	0	1	1
2.	AJMAL AHAMED MARAICAR Y	,	,	1	1	1	,	1	a	a	a	a	a	a	0-	a	a	a	a	a	a
3.	ARMAN SALIH AHMAD.A	1	1	1	1	1	,		1	1	7	,	1	1	,	,	^	1	1	1	1
4.	ARULSAKTHI V	1	1	,	1	1	1	×	-	1	1	1	,	٨	1	7	1	1	,	,	
5.	AZARUDEEN S	1	1		1	1	,	1	1	1	1	1	,	1	,	1	,	,	,	,	-
6.	BRITTO S	1	1	1	1	1	1	1	,	1	1	,	,	,	<u> </u>	1	1	,		1	,
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8.	DINAKARAN T	,	1	,	1	,	1	1	*	1	1	1	1	1	1	,	1	,	^	,	1 .
9.	DIVAKARAN N	1	1	1	1	1	1	1	j.	1	1	1	1	1	1,	1	,	,	1	,	,
10.	ELANSEZHIYAN M		,	1	,	,	,	,		,	1	1	,	1	1	,	,	-,	,	/ ^	1

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11.	FAROOK DHEEN P	1	1	1	-	1	1	^	1	1		1	1	1	1	1	<	1	17	1	1
12.	GANESHKUMAR J	1	1	1	1	1	1	^	1	1	-	1	1	1	1	1	1	1		-	1
13.	GAYATHRI N	1	1	1	1	1	^	,	1	1	. /	1	1	1	1	-	1	1	1	/	1
14.	HAJA NAJIMUDEEN A	1	-	1	1	1	^	^	1	1	1			1	1	1	1	1	1	7	1
15.	JAFFER HUSSAIN S	1	1	1	<	<	1	1	1	1	1	6	1	1	1	1	1	1	-	7	1
16.	JUDITH A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	/	1	1	1
17.	KALAITHASAN P	1	1	1	1	1	1		1		1	1	-	-	ć		1	1	1	7	1
18.	KALPANA K	1	1	1	1	1	^	1	1	1	1	1	1	1	,	1	1	/	1	1	,
19.	KAYALARASU N	1	1	.,	,	,	1	,	a	a	a	a	a	a	a	a	a	a	a	0.	a
20.	KIRUTHIKA J		-	~	1	1	1	1	1	1	1	1	1	1	1	a	12	a	u	10	C
21.	MANIKANDAN M		1	1	1	1		-	1	1	6	1	1	1	_	^	1	·^	^	1	1
22.	MANIKANDAN P	1	<	/	-	1	1	1	¥	1	1	1	1	1	1	٠	1	1	1	1	1
23.	MOHAMED SHALIK M Y	1	1	1	1	1		1	(-	1	1	1	1	1	,	1	1	1	-	7
24.	MOHAMED ABDUL MALIK R	1	1	1		1	7	1	1	1	1	1		1	1	1	1	,	,	_	1
25.	MOHAMED ASLAM S	a	a	a	C	-a	a	a	1	,	1	1	1	,	,	,	,	1	,	,	1
26.	MOHAMED BASHAJAN A	1	1	1	1	,	,	1	1	1	,		1	,	,	1	1	1	1	1	1
27.	MOHAMED BASITH S	1	1	1	,	,	1	1	1	1	7	,	,	, .	,	1	1	,	,	1	,
28.	MOHAMED ISMAIL R	1	1	1	7	1	1	1	1	1	1	1	1	,	,	,	1	,	. 1	1	1
29.	MUHAMMED ALTHAF S	1	1	1	1	,	,	+	,	,	1	1	1	1	,	,	,	1	,	,	,

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
00	STODENTINAME	Most	W.	晚	4	130	196	18/6	19/2	19'A	先	19%	19	學	19/2	2.%	然	246	28	3/2	2%
30.	NANCY D		,	,		,	,	^	1		,	,	,	1	,	1	,	,	1	1	1
31.	NAZAR M	a	or	a	a	a	a	a	,	1	,		,		,	a	ca	5	a	a	2
32.	NISHA U	,	1	1	1	1	1	1	1	1	1	1	1	1	,	,	1	,	1	,	1
33.	NIVEDHA S	^	1	,	1	,	1	^	1	1	1	^	1	,	,	,	1	1	1	,	1
34.	PAVITHRA J	1	^	1	1	1	1	1	,	,	1	1	1	,	,		,	_	1	,	1
35.	PRADEEP R	1	1	,	1	1	1	1	1	1	1	1	1	1	,	,	,	,	,		,
36.	RAM KAVI N	1	^	1	^	1	1	1	^	1	1	1	1	,	,	1	7	,	-	1	,
37.	RIYAS MOHAMED A	1	1	٨	1	1	1	1	1	,	1	,	1	1	,	,	,	. /	-		1
38.	RIYAZ AHAMED S	1	,		,	,	1	1	1	1	1		,		,	,	,	,	,	,	1
39.	ROOBAN RAJ J	1	,	1	,	,	1	1	1	,	,	,	,	,	^	1	1	1	,	,	,
40.	SAKTHIVEL J	,	1	^	1	,	,	1	1	,	1	^	,	,	1	,	1	,	,	,	1
41.	SALAMB	1	,	,	+	1	1	1	1	1	1	,	1	1	,	,	,	,	,	-	1
42.	SALMAN KHAN I	0-	a	-02	a	c	a	a	,	,	,	,	,	,	,	0	a	a	a	a	a
43.	SAMEERALI S	1	1	1	1	1	1	1	,	a	a	4	ı	4	-	,	,	,	,	,	,
44.	SARAVANAKUMAR G	,	,		,	,	1	•	,	_	,	,	1	,	,	,	_	,		,	,
45.	SEENI MOHAMED S	1	,	1	,	1	1	1	1	1	1	^	,	1	.,	1	1	1	1	,	,
46.	SELLARASU M	1	1	,	,	,	,	1	,	,	,	,	-,	1	,	1	1	,	7	1	,
47.	SHAIK RAHUMAN S	,	1	1	-	,	1	^	,	1		1	1	1	1	1	,	,	,	,	,
43.	SHANMUGARAJA J	,	^	,	^	,	,	,	,	,	,	,		,	-,	-	,	,	-	,	/

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	orona i mana	18/2	186	9	8/10	18/6	TO B	196	19	1/6	19	%	19	190	1/2	39	外	2%	Wb	19/1	24
49.	SIVARANJANI M	^	,	,	1	-	,	1	2	1	1	1	1	,	1	1	*	1	1	-	1
50.	SRIHARI S	1	,		1	1	-	,	,	1	,	,	1	1	1		7	1	1	1	diana
51.	SUЛТН S	1	1	1	,	,	1	,	a	a	a	a	a	a	a	a	a	a	a	a	a
52.	THAMARAISELVAN B	1	1	1	1	- 1	1		,	1	1	1	1	1	1	-	-	-	-	-	
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54.	THIVAKAR D	. 1	^	1	^	1	1	1	7	-	1	,	_	,	,		-	-	-	-	-
55.	VIGNESH V	1	,	,	,	,	,	,	a	a	a	a	A	1	1	x	×	A	1	9	X
56.	VIKRAM S	1	,	,	1	1	-	1	a	A	a	a	1	0	- a	a	-:-	0	a	0	a
57.	ARUN NISANTHAN N	1	1	,	1	1	1			1	^	^	1	,	,	1	1	1	-	-	4"
58.	DHEENADAYALAN Y	1	1	1	1	1	1	1	-	*	1	1	7	,	1	,	-	/	-	-	
59.	MANIKANDAN T	Λ	1	1	1	1	,	1	-	1	1	,	,	,	1	-	1	1	_	-,	1
60.	MOHAMEDETHAYATH R	1	1	,	1	(1	1	~	,	,	,	1	,	.,	_	-	,	^	7	Λ
61.	MOHAMEDJAINUDEEN J B	1	1	,	1	1	1	1	,	,	-	,	,	,	,	-	/	,	1	^	
62.	MOHAMED KHAN M	1	,	,	1	1	1	+	1	1	1	,	,	,	,		,	,	_	-	^
63.	MOHAMED RHISWAN ROSLAN H	1	1	,	,	,	,	1	/	1		1	1	,	,	_	,		٨	1	^
64.	MUHAMEDRISHWAN J	1	1	,	1	1	/	,	•	1	,	1	1	^	1	-	•	1		^	1
65.	RAJMOHAMED S	1	,	,	1	/	1	1	/	1	,	,	1	1	1	_	7	,	,	- 1	,
66.	SAIYADRIHAAN A	1	1	,	1	1	c	-	/	1	,	,	,	1	1	_	7	,	1	1	1
67.	SAMINATHAN B	1	,	1	,	,	1	1	1	,	7	1	,	1	,	a	ca	a	u		ca

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55.110	STODENT NAME	29/6	19/6	周占	13	12/	19/4	12/0	19%	wy	19/2	1%	100	ty/h	19	29	30/	20/	20%	A.F/	23/1
68.	SHEIK ISMAIL B		c	-	1	-	1	e	1	-	+	~	1	1	7.15	10	- 1/6	1	1	-	2
69.	SYEDYASHIP S	-		1	1	/		1	-	1		1	1		1	1	-	-	-	-	-
70.	YACOBUNATHAN S		1		1		1	1	1		,	1	1	-	1		-	1	-	-	~

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE

SL.NO	STUDENT NAME	21	22	23	24	25	26	27	28	29	30	31	32	33	34
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1.	ABDULLAH J	1	1	,	^	1		1	1	11	,	1	1	r.	10
2.	AJMAL AHAMED MARAICAR Y	0-	a	a.	a	a	A	a	u	a	· ca	a	·u	or	C
3.	ARMAN SALIH AHMAD.A	1	1	1	1	1	,	1	.8	1	1	,	,	1	,
4.	ARULSAKTHI V	1	1	1	1	1	1	1	,	1	,	,	,	1	A
5.	AZARUDEEN S	,	1	1	1	,	^	1		,	_	,	,	,	,
6.	BRITTO S	1			1	1	_	1	-	1	7.	,	,	,	-
7.	CHANDHRU G	1	,	,	,	,		1	_	^	1	,	,	,	1
8.	DINAKARAN T	1	,	,	1	,	_	,	1	,	,	,	,		1
9.	DIVAKARANN	1	,	,	1	1		1 -	,	,	,	,	,	,	1
10.	ELANSEZHIYAN M	^	,	1	1	1	^	1	,	,	,	1	,	,	,
11.	FAROOK DHEEN P	1	1	*	1	,	,	/	1	1		-	1	,	
12.	GANESHKUMAR J	1	,	1	,	,	,	,		1	,	1	,	,	
13.	GAYATHRI N	1	1	1	1	1	1	1	,	1		-	,	,	
14.	HAJA NAJIMUDEEN A	1		,	1	1	1	1	1	1	,	,	,	,	
15.	JAFFER HUSSAIN S	1	,	^	,	1	1	1		,	1	,	,	1	,
16.	JUDITH A	1	_	1	1	1	,	1	,	1	,	,	1	,	,
17.	KALAITHASAN P	1		1	,	,		1	7	,	1	1	-	7	,
18.	KALPANA K	,	,	,	,	,	1	,			,	J	-	7	

SL.NO	STUDENT NAME	21	22	23	24	25	26	27	28	29	30	31	32	33	34
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19.	KAYALARASUN	a	a	c	4	-	a	C~	C.	a	a	a	a	a	a
20.	KIRUTHIKA J	1	,	,	,	,	,	,	1	,	,	,	,	,	,
21.	MANIKANDAN M	!	,	,	j	,	^	,	1	,	1	1	^	- 1	1
22.	MANIKANDAN P	1	,	,	,	,	,	1	1	,	,	,	,	,	1
23.	MOHAMED SHALIK M Y	1	,	•	,	,	,	- 7 -	,	1	1	,	1	,	1
24.	MOHAMED ABDUL MALIK R	1	,	1	,	,	1	1-	,		,	,	,	1	1
25.	MOHAMED ASLAM S	1	,	,	,	,	1	7	,	1	,	,	,	,	,
26.	MOHAMED BASHAJAN A	1	1	,	1	,	,	,	,	1	,	1	,		,
27.	MOHAMED BASITH S	1	1	,	,	,	,	1	,	,	,	,	1		,
28.	MOHAMED ISMAIL R	1	1	,	1	,	,	,	,	,	,	,	,		1
29.	MUHAMMED ALTHAF S	1	,	,	,	,	,	7	,	4	7	,	,		,
30.	NANCY D	,	,	,	,	,	1	1	,	,	,	,	-,		,
31.	NAZAR M	0	a	a	a	a	0-	0	a	a	n	en	a	be	a
32.	NISHA U	7	,	,	,	,	,	1	,	*	1	,	1	,	1
33.	NIVEDHA S	1	,	,	,	1	1	1	,	,	1	,	,		,
34.	PAVITHRA J	,	,	,	,	,	1	,	,	,	,	-	.1	,	1
35.	PRADEEP R	1		,	,	,	,	,	1	,	,	,	7		1
36.	RAM KAVI N	1	,	,	,	1	,	,	,		1	,	1	-,	7
37.	RIYAS MOHAMED A	,	,	,	,	,	t	,	-,	,	1	,	,		,

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38.	RIYAZ AHAMED S	1	A	1	1.	1	1	1	į.	1	,	1	,	1	1
39.	ROOBAN RAJ J	1	,	1	*	1	,	1	,	,	,	1	,	,	,
40.	SAKTHIVEL J	۸.	1	1	1	٨		1		1	,	,	1	1	1
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42.	SALMAN KHAN I	á	a	a	a	a	u	ca	a	2	u	2	4	a	61
43.	SAMEERALI S	. 1	1	1	n	^	*	1	1	1	1	,	,	,	1
44.	SARAVANAKUMAR G	1	1	1	1	1	.1	1	,	1	•	1	^	1	
45.	SEENI MOHAMED S	1	1	1	- 3	^	•	1	•	1	•	1	,	1	1,
46.	SELLARASU M	1	1	1	λ	1	1	,	1	1	,	1	,	,	,
47.	SHAIK RAHUMAN S	1	,	1	,	1	1	1	*	,	1	,		1	7
48.	SHANMUGARAJA J	1	1	1	1	1	1	1	,	1	,	1		1	1
49.	SIVARANJANIM	1	,	1	1	1	1	1	,	1	1	1		1	,
50.	SRIHARI S	1	,	,	1	1	,	1	,	1	,	,	,	,	1
51.	SUJITH S	0	a	a	0	a	c	u	u	a	u	a	a	a	1-
52.	THAMARAISELVAN B	1	1	^	,	1	ž.	1	- 1	1	1	1	,	1	ī
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56.	VIKRAM S	1	c	ca	1	Lu	u	Le	- 11	u	00	a	il	a	6

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57.	ARUN NISANTHAN N	1	1	1	^	- 1	- 3	5	1	1	. 1	1	1,0	1	1
58.	DHEENADAYALAN Y	1	,	1	A	1	2.	1	1	1	/	1	1	,	1
59.	MANIKANDAN T	1	,	1	,	1	1	1	,	,	,	,	1	1	1
60.	MOHAMEDETHAYATH R	1	Α.	1	^	,	,	1	1	1	1	1	,	,	1
61.	MOHAMEDJAINUDEEN J B	r	1	^	,	1	1	1	1	,	1	1	1	,	1
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63.	MOHAMED RHISWAN ROSLAN H	r	,	,	,	,	1	1	,	,	,	1	,	1	1
64.	MUHAMEDRISHWAN J	1	^	,	1	1	1	1	,	^	,	1	1	1	1
65.	RAJMOHAMED S	1	,	^	,	1	- *	1	1	1	1	,	1	1	1
66.	SAIYADRIHAAN A	1	^	^	,	1		1	- 1	1	,	1	1	1	1
67.	SAMINATHAN B	1		1	1	1	1	1	,	1	,	1	,	1	1
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69.	SYEDYASHIP S	1	1	1.	1	1	- 1	1	7	,	,	1		1	12
70.	YACOBUNATHAN S	1	,	1			1	,	,		1	1		_	,

Course Coordinator

HODÆEE



(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 <u>Certificate Program Assessment Test</u>

Name of the course: Power System Planning and Reliability

Course Code: EE18191 Academic Year: 2018-2019 Date: 27.06.18

Time: 01:30 hrs

Answer All the Questions (5*2=10)

PART-A

- 1. List out load forecasting methods.
- 2. How to measure the risk?
- 3. Define reliability notions.
- 4. What are the advantages markove models?
- 5. Define optimal reserve management.

Answer All the Questions (4*10=40)

PART - B

6.a. Discuss in detail about planning & reliability.

(Or)

- 6.b. Brief about Fuzzy logic based method.
- 7.a. What is Reliability based planning and discuss it.

(Or)

- 7.b. Analyze markov model process method.
- 8.a. Explain the working principle substation configuration.

(Or)

- 8.b. How to evaluate Evaluation and UGF method?
- 9.a. What is over load capability and discuss it?

(Or)

9.b. Explain Unit commitment in detail.

Course Coordinator

HODEEE

Principal



(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 One Page Report

Name of the course: Power System Planning and Reliability

Course code: EE18191

Course coordinator: Mr. S.Pandiarajan, AP/EEE

Total Hours: 34

Academic Years: 2018-2019

I hereby affirm that the entire course contents in the certificate program "Power System Planning and Reliability" 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 System Planning and Reliability" 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

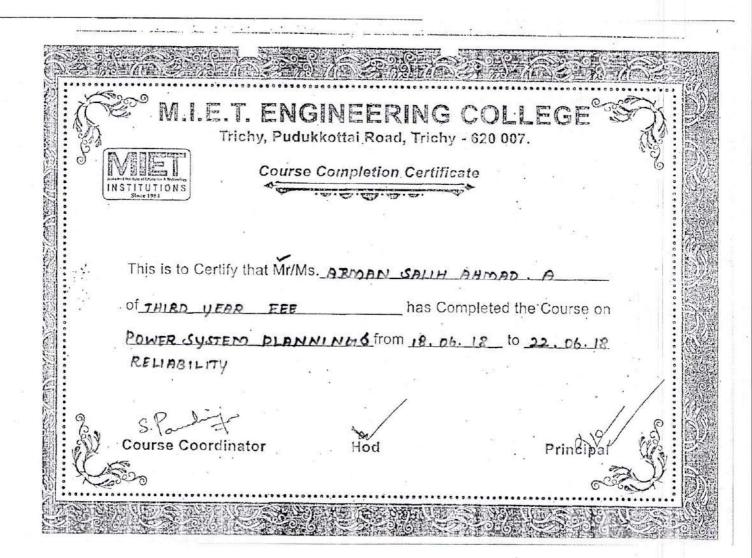
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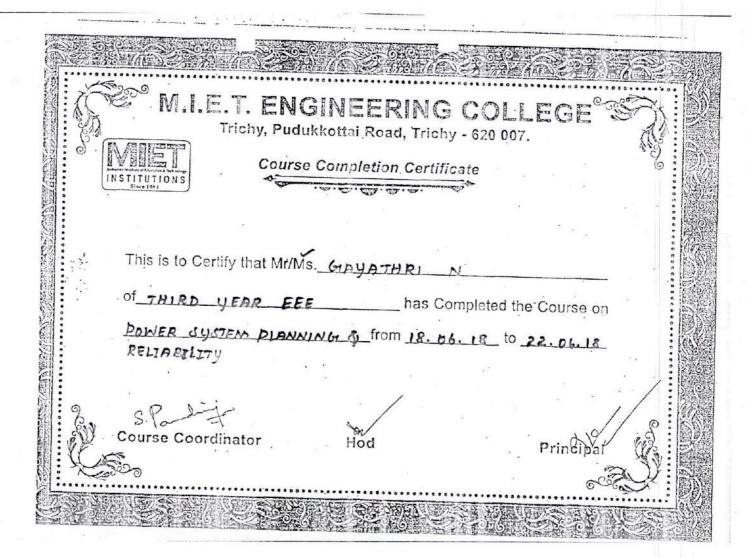
M.I.E.T. ENGINEERING COLLEGE GUNDUR, TIRUCHIRAPPALLI-620 007

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(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: 03.12.2018

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 second year students from 05.12.18 to 09.12.18 at 09.30 am to 05.00 pm.

Course Coordinator
Mr. S.Rajasekar, AP/EEE

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

Thanking you

Course Coordinator

HOD/EEE

Principal



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
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Website: - www.miet.edu

Ph: 0431 - 2660 303

05.12.18

CIRCULAR

Sub: Certificate Program

It is planned to conduct the certificate course for the second year Electrical and Electronics Engineering students from 05.12.18 to 09.12.18 at 09.30 am to 05.00 pm.

The certificate courses are 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 Certificate Program	Course Coordinator
Industrial Wiring and House Wiring	Mr. S.Rajasekar, AP/EEE
Commencement of course fr	
Timing: 09.30 Al	M 05.00 PM

Course Coordinator

A Moderal!
IQAC Coordinator

HOD/EEE

Principal

M.I.E.T ENGINEERING COLLEGE, TRICHY - 7 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Certificate Course (II Year - IV Semester)

Course Syllabus

Name of the Course: Industrial Wiring and House Wiring

Course Code: EE18192

Course Coordinators: Mr. S.Rajasekar, AP/EEE

Total Hours: 33

Academic Year: 2018-2019

Objectives:

- To update the knowledge about wiring and its importance in industry and commercial.
- To analyze the factors of wiring design and risk factors in current situation.

Unit I - Introduction to Wiring system

Tree system, Ring main system, Distribution board system sensitivity analysis and applications.

Unit II - Types of wiring

6

Various methods of wiring Cleat Wiring, Wooden casing wiring, PVC casing wiring.

Unit III - Types of conduit

Rigid steel conduit, Rigid non metallic conduit, Flexible steel conduit, Flexible non metallic conduit.

Unit IV - Various wiring circuit

Series/parallel circuit, bed room lighting circuit, Godown lighting circuit.

Unit V - Industrial Wiring & Domestic appliances

Control elements, wiring accessories, Thermostat, Heating appliances. Heater, Electric cooking, toaster, electric iron box.

Course Outcomes:

The students will be able to

- · Ability to make the design of wiring in industry and commercial.
- Ability to use the types of circuits and various techniques to rectify the wiring problems in current scenario.

References:

- [1] Robert M. Black, The History of Electric Wires and Cable, Peter Pergrinus Ltd. London. 1983 ISBN 0-86341-001-4, pp. 155-158.
- [2] "National Electrical Code". National Electrical Manufacturers Association. Retrieved 4 January 2016.
- [3] Pops, Horace (June 2008). "Processing of wire from antiquity to the future". Wire Journal International: 58-66.

Course Coordinator

IOAC Coordinator

HOD/EEE

Principal



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Website: - www.miet.edu

Ph: 0431 - 2660 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Willing Student list

CP1 Coordinator: Mr. S.Pandiarajan, AP/EEE CP2 Coordinator: Mr. S.Rajasekar, AP/EEE

Academic Year: 2018-2019

SL. NO	STUDENT NAME	CP1 Power System Planning and Reliability	CP2 Industrial Wiring and House Wiring
1.	ABDULLAH J	✓	To To
2.	AJMAL AHAMED MARAICAR Y	✓.	
3.	ARMAN SALIH AHMAD.A	✓	
4.	ARULSAKTHI V	✓	
5.	AZARUDEEN S	✓	_
6.	BRITTO S	/	
7.	CHANDHRU G	4	
8.	DINAKARAN T	4	(*)
9.	DIVAKARANN	√	
10.	ELANSEZHIYAN M	✓	
11.	FAROOK DHEEN P	✓	
12.	GANESHKUMAR J	✓	
13.	GAYATHRI N	✓	
14.	HAJA NAJIMUDEEN A	✓	
15.	JAFFER HUSSAIN S	✓	
16.	JUDITH A	1	
17.	KALAITHASAN P	✓	

SL. NO	STUDENT NAME	Power System Planning and Reliability	CP2 Industrial Wiring and House Wiring
18.	KALPANA K	· ·	
19.	KAYALARASU N	1	
20.	KIRUTHIKA J	✓	
21.	MANIKANDAN M	✓	
22.	MANIKANDAN P	✓	
23.	MOHAMED SHALIK M Y	✓	
24.	MOHAMED ABDUL MALIK R	✓	
25.	MOHAMED ASLAM S	✓	
26.	MOHAMED BASHAJAN A	V	
27.	MOHAMED BASITH S	1	1
28.	MOHAMED ISMAIL R	✓	
29.	MUHAMMED ALTHAF S	✓	
30.	NANCY D	✓	
31.	NAZAR M	· /	
32.	NISHA U		
33.	NIVEDHA S	~	
34.	PAVITHRA J	~	
35.	PRADEEP R	✓	
36.	RAM KAVI N	~	
37.	RIYAS MOHAMED A	✓	The state of the s
38.	RIYAZ AHAMED S	✓	
39.	ROOBAN RAJ J	~	
40.	SAKTHIVEL J	~	
41.	SALAM B	1	
42.	SALMAN KHAN I	✓	

SL. NO	STUDENT NAME	CP1 Power System Planning and Reliability	CP2 Industrial Wiring and House Wiring
43.	SAMEERALI S	✓	
44.	SARAVANAKUMAR G	~	
45.	SEENI MOHAMED S	✓	
46.	SELLARASU M	✓	
47.	SHAIK RAHUMAN S	✓	
48.	SHANMUGARAJA J	✓	
49.	SIVARANJANI M	/	
50.	SRIHARI S	✓	
51.	SUJITH S	✓	
52.	THAMARAISELVAN B	✓	
53.	THERESLINE JOICE J	✓	
54.	THIVAKAR D	✓ -	
55.	VIGNESH V	✓	
56.	VIKRAM S	✓	
57.	ARUN NISANTHAN N	✓	
58.	DHEENADAYALAN Y	~	
59.	MANIKANDAN T	√	
60.	MOHAMEDETHAYATH R	✓	
61.	MOHAMEDJAINUDEEN J B	· ✓	
62.	MOHAMED KHAN M	✓	
63.	MOHAMED RHISWAN ROSLAN H	✓	
64.	MUHAMEDRISHWAN J	1	
65.	RAJMOHAMED S	✓	
66.	SAIYADRIHAAN A	✓	
67.	SAMINATHAN B	✓ ·	

SL. NO	STUDENT NAME	Power System Planning and Reliability	CP2 Industrial Wiring and House Wiring
68.	SHEIK ISMAIL B	1	
69.	SYEDYASHIP S	✓	
70.	YACOBUNATHAN S	✓	-
71.	ABDUL JALIL M		1
72.	ALAGURAJA P		1
73.	AMALA JESIMA V		1
74.	AROCKIARAJ A		1
75.	ARUL BRINDHA S		V
76.	ARUNKUMAR S		
77.	ARUNRAJ I		· ✓
78.	ASWIN K		✓
79.	AZEEZ P		/
80.	BHARATHKUMAR R		✓
81.	BHUVANESHWARI K		✓
82.	BRITTO P		✓
83.	CELSIYA J		~
84.	DINESH KUMAR P M		✓
85.	FAISAL ALI KHAN A		✓
86.	JAHIRKHAN S		✓
87.	JOESPHINE A		~
88.	KALPANA R		· ·
89.	KANMANI S K		
90.	KAVIPRIYA A		~
91.	MAHALAKSHMI M ·		~
92.	МАНМООDH M A		✓

SL. NO	STUDENT NAME	CP1 Power System Planning and Reliability	<u>CP2</u> Industrial Wiring and House Wiring
93.	MANISHA S		✓
94.	MANOJ KUMAR S		✓
95.	MASTHAN OLIYULLAH S		/
96.	MERCYMIRAKLINE V		✓
97.	MINNAL KUMAR V		/
98.	MOHAMED ABU ARIZ S		V
99.	MOHAMED ARSATH B		
100.	MOHAMED ASLAM J		·
101.	MOHAMED IBRAHIM G		/
102.	MOHAMED MALIK K		~
103.	MOHAMED MUSTHAKEEM S		✓
104.	MOHAMED NIYASUDEEN M		
105.	MOHAMED RILWAN S		
106.	MOHAMED YUSUF KHAN A		~
107.	MOHAMMED HUSSAIN S		✓
108.	MONISHA SONIYA J	9	✓
109.	MUTHUMALA M		✓
110.	NISHA S		1
111.	PEER MOHAMED B		
112.	PRAVEENKUMAR K		. 🗸
113.	PRIYADHARSHINI S		Y
114.	RAHUL R		✓
115.	RAJAKEERTHI J M		✓
116.	RATHISH A		1
117.	SANGAVI V		1

SL. NO	STUDENT NAME	CP1 Power System Planning and Reliability	CP2 Industrial Wiring and House Wiring
118.	SATHAM HUSSIN S		· /
119.	SIVANESAN K		1
120.	SOWMIYA M		V
121.	SRIDEVI K R		· · · · · · · · · · · · · · · · · · ·
122.	SURYA M.		
123.	THAISEER AHAMED J		✓
124.	UTHAYANITHI R		
125.	VENMANI SELVAN D		✓
126.	VIGNESH D		1
127.	VIMALA A		V
128.	YOGESWARI T		1
129.	DHEENADHAYALAN R		✓
130.	DINESH M		V
131.	FARETH AHAMED M		✓
132.	HARIPRASAD S		1
133.	MOHAMED ASARUDEEN A		~
134.	MOHAMED RIYAZUDEEN J	99	. 1
135.	PRINCEKIRUTHIKA A		1
136.	SATHIYA SEELAN M		✓

8

Course Coordinator

HÓD/EEE

Principat



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennal)
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 (II Year – IV Semester)

Course Delivery

Name of the Course: Industrial Wiring and House Wiring

Course Code: EE18192

Course Coordinators: Mr. S.Rajasekar, AP/EEE

Total Hours: 33

Academic Year: 2018-2019

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Importance of wiring and benefits		
2.	Tree system		
3.	Tree system		
4.	Ring main system		
5.	Ring main system	7	05.12.18
6.	Distribution board system sensitivity analysis and applications		
7.	Distribution board system sensitivity analysis and applications		*41
8.	Selection of wiring		
9.	Types of wiring		
10.	Cleat Wiring		
11.	Wooden casing wiring	6	06.12.18
12.	PVC Casing & Capping Wiring		2
13.	PVC channel Joints		
14.	Types of conduit& Precautions		
15.	Rigid steel conduit		
16.	Rigid steel conduit		
17.	Rigid non metallic conduit	7	07.12.18
18.	Flexible steel conduit		
19.	Flexible steel conduit		
20.	Flexible non metallic conduit.		
21.	Series circuit		
22.	Parallel circuit		
23.	Bed room lighting circuit	6	08.12.18
24.	Socket outlet wiring	0	08.12.18
25.	Godown lighting circuit		
26.	Control switch board wiring		

Sl.No	Topics to be Covered	Hours	Date of Delivery
27.	Control elements		
28.	wiring accessories		
29.	Thermostat & Heating appliances		
30.	Electric cooking	7	09.12.18
31.	Toaster		
32.	Electric iron box		
33.	Comparison between Different Wiring Systems		

Course Coordinator

HOD/EEE

Principal



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Resource Person Details

Title of the program	Industrial Wiring and House Wiring
Course Code	EE18192
Duration and timing of the program	33 Hrs, 09:30 AM to 05:00 PM
Name of the resource person	S.Rajasekar
Photo of the resource person	
Email address	rajasekar790@gmail.com
Contact number	9025091824
Designation	Assistant Professor
Educational qualification	 Completed B.E. Electrical and Electronics Engineering in Saranathan Engineering College, Trichy. Completed M.E. Power Electronics and Drives in M.I.E.T. Engineering College, Trichy.
Experience	> Teaching Experience - 6 Years.



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Website: . www.miet.edu

Ph: 0431 - 2660 303

REPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Certificate Course (II Year – IV Semester)

Attendance Sheet

Name of the course: Industrial Wiring and House Wiring Course code: EE18192

Course coordinator: Mr. S.Rajasekar, AP/EEE Academic Year: 2018-2019

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SLAO	STUDENT NAME	5/12	5/2	5/2	5/12	5/12	4/12	5/2	6/10	1/12	6/10	6/12	6/12	1/12	7/10	7/10	7/12	7/12	7/12	7/12	7/12
1.	ABDUL JALIL M	1	1	1	,	1	-	1	1	1	1	1	1	,	1	,	1	,	1	,	1
2.	ALAGURAJA P	1	1	1	1	,	1	1	a	a	a	a	a	a	,	1	1	,	1	,	,
3.	AMALA JESIMA V	1	1	,	.,	1	1	1	,	1	1	1	1	1	1	1	1	,	1	,	1
4.	AROCKIARAJ A	,	1	,	,	,	1	1	1	1	1	1	1	1	1	1	,	,	,	,	1
5.	ARUL BRINDHA S	,	1	1	1	,	1	1	1	1	1	1	1	1	a	a	a	a	a	a	a
6.	ARUNRAJI	1	,	1	7.	1	,	1	1	,	1	1	,	1	1	,	,	,	,	1	1
7.	ASWIN K	a	a	a	a	a	a	a	1	,	,	,	1	1	12	a	a	a	a	0	0
8.	AZEEZ P	1	1	1	1	1	1	1	,	1	,	-	1	1	1	1	,	1	1	1	1
9.	BHARATHKUMAR R	1	1	1	1	1	,	,	1	,	1	,	,	,	1	1	,	,	,	,	1
10.	BHUVANESHWARIK	,	,	1	,	-	1	,	,	,	,	1	,	1		,		,	,	,	1

SLNO	STUDENT NAME	1	2	3	4.	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SLINO	STUDENT NAME	5/10	5/2	5/10	5/10	5/12	5/12	5/0	9/10	6/2	6/2	6/1-	6/1-	6/12	7/10	7/10	1/2	7/12	Ŧ/12	Ŧ/,_	7/12
11.	BRITTO P	1	1	1	1	1	,	1	1	1	,	1	1	/	1	1	112	1	1	1	1
12.	CELSIYA J	1	,	,	,	1	,	,	1	,	1	,	1	,	,	1	,	1	Τ.	1	
13.	DINESH KUMAR P M	1	,	1	,	,	,	1	1	1	1	,	1	,	,	1	,	1	-	,	1
14.	FAISAL ALI KHAN A	1	1	1	,	1	,	1	1	,	7	,	1	1	a	a	a	a	a	a	a
15.	JAHIRKHAN S	,	1	1	1	1	,	,	1	1	,	,	,	,	,	/	,	1	1		1
16.	JOESPHINE A	1	,	1	,	,	,	1	/	,	,	,	,	,	,	,	,	1	-	,	-
17.	KALPANA R	1	,	1	,	,	,	,	a	a	a	a	a	a	,	1	1		1	,	1
18.	KANMANI S K	1	1	1	1	,	,	,	,	7	,	-	/	1	,	-	,	,	1	155	
19.	KAVIPRIYA A	1	,	1	1	,	,	,	1	j	,	1	,	,	,	1	1		1	1	1
20.	MAHALAKSHMI M	1	,	1	7	,	,	1	,	1	,	,	1	1	,		-	1	1	,	1
21.	МАНМООДН М А	a	a	a	a		a	a	,	,	1	1	1	,	,	,	,	,	,	,	1
22.	MANISHA S	1	1	,	,	,	,	,	,	,	,	1	,	,		,		,	-	-	1
23.	MANOJ KUMAR S	1	,	,	,	,	,	,	Ţ,	,	,	1	,	,	-	-	-	1	-	,	-
24.	MASTHAN OLIYULLAH S	1	,	1	,	,	,	1	<u>,</u>	1	,	1	,	,	a	a	a	a	a	a	a
25.	MERCYMIRAKLINE V	1	,	1	,	1	,	1	,	,	,	,	1	/	,		,	1	1	-	,
26.	MINNAL KUMAR V	1	,	,	,	1	,	1	-	,	-	,	,	,	,	-	1	-	-	-	-
27.	MOHAMED ABU ARIZ S	1	-	,	,	,	,	/	a	a	a	a	a	a	,	,		1	-	,	,
28.	MOHAMED ARSATH B	1	-	1	,	,	,	,	1	1		1	_	_	,		1		1		
29.	MOHAMED ASLAM J	1	-		-		,	,		,	1		-	,		1	_	-	-	-	,

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SL.NO	STUDENT NAME	5/1-	5/10	5/10	5/10	3/12	3/	5/10	6/	1/2			6/12	-	-			7/12	-		-
30.	MOHAMED IBRAHIM G	1	1	1	,	1	112	1	1	,	712	1	1	1	1	1	112	112	112	1/2-	110
31.	MOHAMED MALIK K	1	1	,	1	1	,	1	1	,	. /	,	1	/	,	,	-	,	,	1	1
32.	MOHAMED MUSTHAKEEM S	1	,	,	1	1	1	1	1	,	1	,	1	,	,	1	,	,	1	,	1
33.	MOHAMED YUSUF KHAN A	1	,	1	1	1	1	1	a	a	a	a	a	a	1	,	,	1	1	,	1
34.	MOHAMMED HUSSAIN S	1	1	,	,	1	1	1	1	,	1	1	/	/	,	1	,	,	1	,	1
35.	MONISHA SONIYA J	1	1	1	,	1	1	1	,	,	,	1	1	/	,	1	,	,	-	,	,
36.	MUTHUMALA M	a	a	a	a	a	a	a	,	1	1	,	-	1	,	,	,	1	,	· .	1
37.	NISHA S	1	1	1	1	-	,	1	,	,	1	,	1	1	,	1	,	,	,	1	1
38.	PRAVEENKUMAR K	1	,	,	1	1	,	1	,	1	1	,	1	1	,	-	,	1	,	,	1
39.	PRIYADHARSHINI S	1	1	1	1	1	,	1	1	1	1	1	1	1	,	,	1	1		,	,
40.	RAHUL R	,	1	1	,	1	-	1	,	1	1	1	,	1	,	1	,	/	-	,	,
41.	RAJAKEERTHI J M	1	,	1	1	1	,	,	1	,	,	,	1	,	a	a	a	a	a	a	a
42.	RATHISH A	1	1	1	1	1	,	,	,	,	1	1	1	1	,	1	1		1	/	1
43.	SANGAVI V	1	1	1	1	1	1	1	,	,	1	,	1	1	,	,	1	1	,	1	1
44.	SATHAM HUSSIN S	1	,	1	1	1	/	1	,	1	1	1	1	1	1	1	1	1	1	,	_
45.	SIVANESAN K	1	,	1	1	1	,	/	1	1	1	,	1	1	1		,	1	1	,	,
46.	SOWMIYA M	1	,	,	,	,	-	,	1	1	1	1	1	1	1	1	1	1	,	1	1
· 47.	SRIDEVI K R	1	,	1	,	1	_	1	1	1.	1	-	1	_	1	,	,	,	,	_	1
48.	THAISEER AHAMED J	,	,	1	1	,	1	,	1	,	,	1	/	_	,	,	,	9		,	1

SL.NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	.10	11	12	13	14	15	16	17	18	19	20
SLAVO	STUDENT NAME	3/12	5/12	5/12	5/12	5/12	3/12	5/12	6/12	4/2	6/12	6/12	6/12	1/12	7/12	7/12	7/1-	7/12	7/12	₹,	7/1
49.	VENMANI SELVAN D	a	a	a		1	2000		1	1	1	,	,	,	12		0	a	a	177	a
50.	VIGNESH D	1	1	1	1	1	1	1	,	1	1	,	1	1	1	,	1	,	1	1	1
51.	VIMALA A	1	1	1	1	1	,	1	1	1	1	1	1	1	a	a	a	a	a	a	a
52.	YOGESWARIT	1	1	1	1	1	1	1	1	,	1	1	1	1	,	1	,	1	1	1	1
53.	DHEENADHAYALAN R	1	1	1	1	1	1	1	1	,	1	1	1	,	1	/	,	1	,	1	1
54.	DINESH M	1	1	1	1	1	1	1	1	,	1	,	1	1	,	1	,	1	1	,	,
55.	FARETH AHAMED M	1	1	1	,	,	1	1	1	1	,	1	1	1	,	1	1	1	,	1	1
56.	HARIPRASAD S	1	1	1	1	1	1	1	a	a	a	a	a	a	1	1	1	,	,	1	,
57.	MOHAMED ASARUDEEN A	1	1	1	,	1	1	1	,	1	1	,	1	1	1	,	1	,	1	-	,
58.	MOHAMED RIYAZUDEEN J	1	1	1	1	1	,	1	,	1	,	1	1	,	1	1		,	1	_	1
59.	PRINCEKIRUTHIKA A	1	,	1	,	,	1	1	1	1	1	,	/	1	1	,	-	,	,		1
60.	SATHIYA SEELAN M	1	,	1	,	1	,	,	,	,	,	1	,	,	-	,		,	-	,	1

SL.N	STUDENT NAME	21	22	23	24	25	26	27	28	29	30	31	32	33
0	STODENT NAME	8/12	8/12	8/12	8/12	8/12	8/12	9/12	9/12	9/12	9/12	9/12	9/12	9/12
1.	ABDUL JALIL M	1	1	1	,	1	1	1	1	1		/	1	1
2.	ALAGURAJA P	1.	-	1	1	1	1	,	1	1	-/-	1		1
3.	AMALA JESIMA V	1	1	1	,	1	,	,	,	1	-	1	1	-
4.	AROCKIARAJ A	1	1	1	1	1	1	a	a	a	a	a	cu.	a
5.	ARUL BRINDHA S	1	1	1	,	1	1		1	_a_	1	1	9	-
6.	ARUNRAJ I	1,	1	1	1	1	1		,	1	,	1		,
7.	ASWIN K	1	1	,	,	1	1	-/-	a	a	14.	1		
8.	AZEEZ P	1	1	,	,	1	,		1	1	1	1	-	1
9.	BHARATHKUMAR R	a	a	a	0	a	a	,	1	1	-	1	1	1
10.	BHUVANESHWARI K	1	1	1	,	1	1	,	,	1	1	1	1	1
11.	BRITTO P	1	1	1	1	1	,	1	1	1	-	1	-	1
12.	CELSIYA J	1	1	1	1	1	1	,	,	/		1		1
13.	DINESH KUMAR P M	1	1	,	1	1	1	,	,	1	-,	1	-	,
14.	FAISAL ALI KHAN A	1	1	1	1	,	1		,	-	· /·	,	,	1
15.	JAHIRKHAN S	1	1	1	٠,	1	1	a	a	a.		a	a	a
16.	JOESPHINE A	1	-	1	-	1	/	1	_a	4	<u>a</u>	1	4	1
17.	KALPANA R	1	1	1	,	1	,	1	_	-		1	1	-
18.	KANMANI S K	1	1	7	,		,		,	/		-	1	-

SL.N	STUDENT NAME	21	22	23	24	25	26	27	28	29	30	31	32	33
0	STUDENT NAME	8/12	8/12	8/12	8/10	3/12	8/12	9/12	9/12	9/12	9/12	9/12	9/12	9/12
19.	KAVIPRIYA A	1	,	1	,	1	,	1	1	/12	,	1	1	1
20.	MAHALAKSHMI M	1	1	,	,	1	/	1	,	,	,	1	-/	1
21.	MAHMOODH M A	1	,	,	1	1	7	,	,	,	,	1	,	1
22.	MANISHA S	1	,	1	1	1	1	1	1	,	1	1	· .	1
23.	MANOJ KUMAR S	1	,	,	,	1	,	,	1	1	,	1		,
24.	MASTHAN OLIYULLAH S	,	,	1	1	,	1	,	1	1	1	—	1	1
25.	MERCYMIRAKLINE V	a	a	a	a	a	a	1	1	1	-,	-	,	-
26.	MINNAL KUMAR V	1	1	1	1	1	1	,	,	,	_	-	,	1
27.	MOHAMED ABU ARIZ S	1	1	1	1	1	1	A		1	4	a	a	
28.	MOHAMED ARSATH B	1	1	1	1	1	,	,	-a_	4		1	1	a
29.	MOHAMED ASLAM J	1	1	1	1	1	1	1	,	,	1		,	,
30.	MOHAMED IBRAHIM G	1	1	1	1	1	,	1	1		,	1	1	,:
31.	MOHAMED MALIK K	1	1	1	1	1	,	1	1	1	1	1	1	1
32,	MOHAMED MUSTHAKEEM S	1	1	1	1	1	_	1	,	1	,	1	,	1
33.	MOHAMED YUSUF KHAN A	1	1	1	1	1	,	,		1	/		1	,
34.	MOHAMMED HUSSAIN S	1	1	,	1	1	1	,	,	1	-/	1	-	,
35.	MONISHA SONIYA J	1	1	1	_	1	,	,		_	,	1	1	,
36.	MUTHUMALA M	1	1	1		1	,	1	,	,	.,	1		7
37.	NISHA S	1	,	,	,	1	,	,	/	/	,			-

SL.N	STUDENT NAME	21	22	23	24	25	26	27	28	29	30	31	32	33
О	STODENT NAME	8/12	8/12	8/12	8/12	8/12	8/12	9/12	9/12	9/12	9/12	9/12	9/12	9/1
38.	PRAVEENKUMAR K	1	1	1	1	1	1	1	1	1	1	1	1	-
39.	PRIYADHARSHINI S	1	1	1	1	1	1	1	,	1	,	1	1	1
40.	RAHUL R	1	1	1	1	1	1	a	a	a	a	a	a	a
41.	RAJAKEERTHI J M	1	1	,	,	1	1	1		1	,	1	1	1
42.	RATHISH A	1	1	1	1	1	P	,	1	,	1	1		1
43.	SANGAVI V	a	a	a	a	a	a		1	,	,	1	1	1
44.	SATHAM HUSSIN S	1	1	1	1	7	1	7,	1	1	1	1	1	1
45.	SIVANESAN K	1	1	1	1	1	,		1	1	1	1	1	-
46.	SOWMIYA M	1	1	1	1	,	1	,	1	1	,	,	1	1
47.	SRIDEVI K R	1	1	1	1	1	1	,	1	,	1	1	1	1
48.	THAISEER AHAMED J	1	1	1	1	1	1	1	1	1	,	,	1	1
49.	VENMANI SELVAN D	0	a	a	1	a	0	de	a	- 61	a	a	U	a
50.	VIGNESH D	1	1	1	1	1	1	1	1	1	1	1	1	1
51.	VIMALA A	1	1	1	1	,	,	1	1	1	1	1	1	,
52.	YOGESWARI T	1	1	1	,	1	1	1	,	1	,	1	1	,
53.	DHEENADHAYALAN R	1	1	1	1	1	1	1	1	1	-	1	1	1
54.	DINESH M	1	1	1	1	1	1	1	1	1	_	,	1	1
55.	FARETH AHAMED M	a	a	a	a	a	a	1	1	,	,	1	1	1
56.	HARIPRASAD S	1	,	,	1	1	1	a	a	a	a	a	a	a

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57.	MOHAMED ASARUDEEN A	1	1	1	1	1	1	1	1	1	1	1	1.2	1
58.	MOHAMED RIYAZUDEEN J	a	a	a	a	a	a	-	,			1	,	,
59.	PRINCEKIRUTHIKA A	1	1	1	1	1	1	a	a	a		a	a	a
60.	SATHIYA SEELAN M	1	,	1	. /	1	1			,		,	1	1

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Course Coordinator

L. W HOD/EEE

Principal



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennal)
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: Industrial Wiring and House Wiring

Course Code: EE18192 Academic Year: 2018-2019 Date: 19.12.18 Time: 01:30 hrs

Answer All the Questions (5*2=10)

PART-A

- 1. What is tree system?
- 2. How to select the size of wire?
- 3. Write the requirement of basic wiring.
- 4. What are the control elements?
- 5. Compare between different wiring Systems.

Answer All the Questions (4*10=40)

PART-B

6.a. Enumerate the Distribution board system sensitivity analysis.

(Or)

- 6.b. Discuss the Selection of wiring.
- 7.a. What Ring main system and discuss it.

(Or)

- 7.b. Draw the godown lighting circuit.
- 8.a. Explain the types of conduit & precautions.

(Or)

- 8.b. Draw the Control switch board wiring
- 9.a. Why control elements required and give detailed explanation?

(Or)

9.b. Explain different type thermostat & heating appliances

Course Coordinator

HoD/EEE

Principal

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



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING One Page Report

Name of the course: Industrial Wiring and House Wiring

Course code: EE18192

Course coordinator: Mr. S.Rajasekar, AP/EEE

Total Hours: 33

Academic Years: 2018-2019

I hereby affirm that the entire course contents in the certificate program "Industrial Wiring and House Wiring" 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 "Industrial Wiring and House Wiring" 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

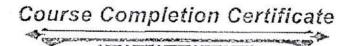
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Trichy, Pudukkottai Road, Trichy - 620 007.





This is to Certify that Mr/Ms. M. ABDUL TALIL

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

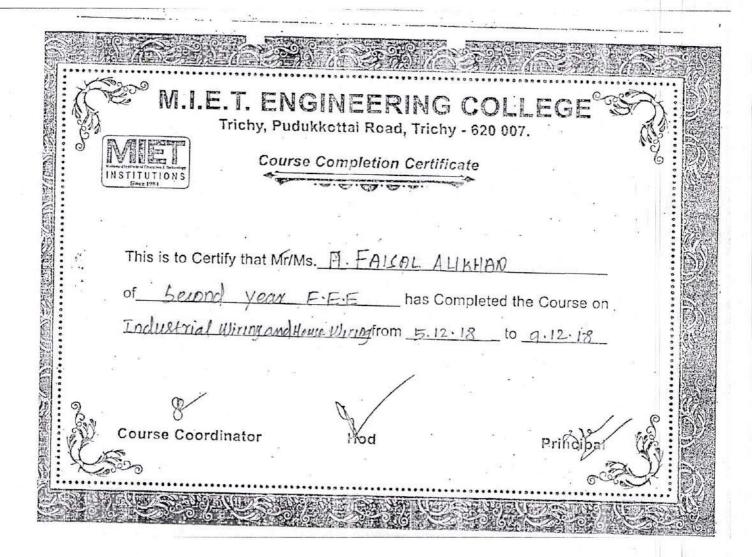
Industrial Wiring and House Wiring from 5.12.18 to 9.12.18

Course Coordinator

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M.I.E.T. ENGINEERING COLLEGE Trichy, Pudukkottai Road, Trichy - 620 007.
Course Completion Certificate INSTITUTIONS Since 1981
This is to Certify that Mr/Ms. S. MANCHA of Second Year E.F.E has Completed the Course on
Industrial wing and House Wiring from 5.12.18 to 9.12.18
Course Coordinator Nod Principal Co



GUNDUR, TIRUCHIRAPPALLI-620 007

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This is to Certify that Mr/Ms. S. MOHAMED ABU ARIZ of beand year E.F.E has Completed the Course on
Industrial Wiring and How Wirinfrom 5.12.18 to 9.12.18
Course Coordinator
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