

# Introduction to Electrical System Design

2018-2019

17-21 July 2018

## SYLLABUS

### MBC/EE/ADO/17/02: INTRODUCTION TO ELECTRICAL SYSTEM DESIGN

- General awareness of IS codes ,IE rules, Electricity acts, BEE& NEC Design of LT and HT control panel boards, distribution systems with light and power loads
- Selection and installation of transformers, switch gears and protective devices ,APFC, installation of Induction motors: Design of indoor and outdoor 11 kV substation up to 630nkVA.
- Selection of standby generator-installation and its protection, AMF Design of illumination systems.
- Design of earthing system for an HT consumer Design of Electrical system related to fire fighting , lifts and escalators.
- Practical examples –design and draft of electrical layout of cinema theatre, high rise building .



*Robin Anto*  
ROBIN ANTO -17/11/2017

**MAR BASELIOS CHRISTIAN COLLEGE OF ENGINEERING AND TECHNOLOGY, PEERMADE.**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Sl.No	Name	17/7/2018	17/7/2018	18/7/2018	18/7/2018	19/7/2018	19/7/2018
		FN	AN	FN	AN	FN	AN
1	Abraham Mathew	X	X	X	X	X	X
2	Akhil K George Abraham	X	X	X	X	X	X
3	Alan Abraham Koshy	X	X	X	X	X	X
4	Alan Sam Sacharia	X	X	X	X	X	X
5	Alen Joseph	X	X	X	X	X	X
6	Amal Joseph	X	X	X	X	X	X
7	Amal Suresh	X	X	X	X	X	X
8	Amal V Nair	X	X	X	X	X	X
9	Anjana A Kumar	X	X	X	X	X	X
10	Aromal Krishna	X	X	X	X	X	X
11	Aysha Sulaiman	X	X	X	X	X	X
12	Beena P Thomas	X	X	X	X	X	X
13	Benson Thomas George	X	X	X	X	X	X
14	Della Susan Roy	X	X	X	X	X	X
15	Emy Ann Jacob	X	X	X	X	X	X
16	Fathima Sabila M.N	X	X	X	X	X	X
17	Geevar paul	X	a	X	X	X	X
18	Geo Jose	X	X	X	X	X	X
19	Jeffin Jacob Paul	X	X	X	X	X	X
20	Jibin Joseph	X	X	X	X	X	X
21	Jijo John	X	X	X	X	X	X
22	Joel Benny Thomas	X	X	X	X	X	X
23	Joel Shajan Jacob	X	X	X	X	X	X
24	Libin Liya	X	X	X	X	X	X
25	Mathe Jose	X	X	X	a	X	X
26	Praveen Sam G	X	X	X	X	X	X
27	Prenoy Joseph	X	X	X	X	X	X
28	Prince Abraham Varghese	X	X	X	X	X	X
29	Rahul Raj	X	X	X	X	X	X
30	Regin Tom Tommy Jose	X	X	X	X	X	X
31	sachin sam stephen	X	X	X	X	X	X
32	Sharon Thomas Mammen	X	X	X	X	X	X
33	Shealtiel Sacharia Koshy	X	X	X	X	X	X
34	Sreedev S	X	X	X	X	X	X
35	Vipin Benny	X	X	X	X	X	X
36	Visakh M S	X	X	X	X	X	X

*[Signature]*  
21/07/18

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Sl.No	Name	20/7/2018	20/7/2018	21/7/2018	21/7/2018
		FN	AN	FN	AN
1	Abraham Mathew	X	X	X	X
2	Akhil K George Abraham	X	X	X	X
3	Alan Abraham Koshy	X	X	X	X
4	Alan Sam Sacharia	X	X	X	X
5	Alen Joseph	X	X	X	X
6	Amal Joseph	X	X	X	X
7	Amal Suresh	X	X	X	X
8	Amal V Nair	X	X	X	X
9	Anjana A Kumar	X	X	X	X
10	Aromal Krishna	X	X	X	X
11	Aysha Sulaiman	X	X	X	X
12	Beena P Thomas	X	X	X	X
13	Benson Thomas George	X	X	X	X
14	Della Susan Roy	X	X	X	X
15	Emy Ann Jacob	X	X	X	X
16	Fathima Sabila M.N	X	X	X	X
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18	Geo Jose	X	X	X	X
19	Jeffin Jacob Paul	X	X	X	X
20	Jibin Joseph	X	X	X	X
21	Jijo John	X	X	X	X
22	Joel Benny Thomas	X	X	X	X
23	Joel Shajan Jacob	X	X	X	X
24	Libin Liya	X	X	X	X
25	Mathe Jose	X	X	X	X
26	Praveen Sam G	X	X	X	X
27	Prenoy Joseph	X	X	X	X
28	Prince Abrahan Varghese	X	X	X	X
29	Rahul Raj	X	X	X	X
30	Regin Tom Tommy Jose	X	X	X	X
31	sachin sam stephen	X	X	X	X
32	Sharon Thomas Mammen	X	X	X	X
33	Shealtieal Sacharia Koshy	X	X	X	X
34	Sreedev S	X	X	X	X
35	Vipin Benny	X	X	X	X
36	Visakh M S	X	X	X	X

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21/7/18

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FIVE DAYS  
INDUCTION TRAINING PROGRAMME ON  
**ELECTRICAL  
SYSTEM  
DESIGN**



Organized by  
Department of Electrical and Electronics Engineering



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**KUTTIKKANAM, PEERMADE**



This is to certify that Mr /Ms. Fathima Sabila. M.N  
sixth semester B-Tech student from MBC CET, has attended the five days Induction Training  
programme on "Electrical System Design" held at Mar Baselios Christian College of  
Engineering and Technology, Peermade, in association with ISTE Kerala Section and IEEE PES,  
from 17<sup>th</sup> - 21<sup>st</sup> July 2018.

Prof. Robins Anto  
Course Coordinator & HoD  
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Dr. Pradeep C  
Principal, MBCCET

Er. K John  
Chief Resource Person  
Retd. Electrical Inspector  
Govt. of Kerala

Er. K. JOHN BSC (Engg.) MIE  
Retd. Electrical Inspector  
Electrical Supervisor, S. A 708



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This is to certify that Mr /Ms. Emy Ann Jacob  
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This is to certify that Mr /Ms S. Sreedev  
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This is to certify that Mr /Ms Vipin Benny  
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