

Introduction to Electrical CADD

2016-2017

27 to 30 July 2016

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SYLLABUS

MBC/EE/ADO/15/01 : INTRODUCTION TO ELECTRICAL CADD

Familiarization of CAD Environment- Creating files/folders- Naming of files/folders-Basic features of CAD software like AutoCAD, ProE, CATIA etc. Drafting and modelling- Setting the work space/work bench- 2D drafting/sketching- Status bar/tool bar settings.

Simple drawing commands: line, ray, arc, circle, spline, ellipse, polygon etc., text, text editing

Edit commands – cut, copy, paste..., View commands- zoom, pan, redraw, regen

Modify commands- erase, copy, mirror, offset, move, rotate, trim, extend, arrays....,

Object selection – Window, crossing, last, previous...

Preparation of 2D drawings -Dimensioning- Layer and block control, Block Editor, Dimension styles, Scaling, Editing Preparation of 2D drawings-X-ref- commands, Printing/ Plotting of drawings

Electrical CAD- Symbol libraries, Electrical User interface, icon menus, PCB drawing, Help system,

Basic work flow, Project manager- opening, activating and closing projects

Drawing Examples- DC simplex Lap and Wave windings- Schematic wiring, Wires, Ladders, Wire numbering, Signal arrows...etc, Three phase ac double layer Lap winding and single layer Mush winding

Circuits- Multiple phase circuits, Electrical Schematic drawing of an 11kV indoor Sub-station, HT/LT panels with Circuit Breakers-Electrical Schematic drawings of MSB with supplies from a Transformer and Standby DG set, relays, indication lamps, metering etc.

Editing- Editing tools, Schematic symbols, Updating of blocks, Rail assembly.

Electrical Machine (2D) dimensioned drawings- Half sectional elevation and end view of Induction motor, Synchronous machine and DC machine.

Introduction to 3D (demonstration only)



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MAR BASELIOS CHRISTIAN COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Sl.No	Name	27/7/2016	27/7/2016	28/7/2016	28/7/2016
		FN	AN	FN	AN
1	Allen George	X	X	X	X
2	Alwin Gregour P	X	X	X	X
3	Anjumol K.S	X	X	X	X
4	Eapen V Palooran	X	X	X	X
5	Nirmal Raj R	X	X	X	X
6	Muhammed Suhail P.S	X	X	X	X
7	Jyothish Johnson	X	X	X	X
8	Jubil Varghese Mathew	X	X	X	X
9	Nissam Noushad	X	X	X	X
10	Raveen Eapen Alex	X	X	X	X
11	Sreelakshmi Vijayan	X	X	X	X
12	Sojan Jacob Palakodu	X	X	X	X
13	Rehma Mary Roy	X	X	X	X
14	Alan B Mathew	X	X	X	X
15	Akhilesh M.S	X	X	X	X
16	Abhishesh A	X	X	X	X
17	Famidha Muhammed	X	X	X	X
18	Rinsy Susan Roy	X	X	X	X
19	Preetha S Rao	X	X	X	X
20	Regin Tom Tommy Jose	X	X	X	X
21	Anjana A Kumar	X	X	X	X
22	Beena P Thomas	X	X	X	X
23	Della Susan Roy	X	X	X	X
24	Joel Shajan Jacob	X	X	X	X
25	Rahul Raj	X	X	X	X
27	Prenoy Joseph	X	X	X	X
28	Emy Ann Jacob	X	X	X	X
29	Amal V Nair	X	X	X	X
30	Alan Abraham Koshy	X	X	X	X

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25	Rahul Raj	X	X	X	X
27	Prenoy Joseph	X	X	X	X
28	Emy Ann Jacob	X	X	X	X
29	Amal V Nair	X	X	X	X
30	Alan Abraham Koshy	X	X	X	X

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COLLEGE OF ENGINEERING AND TECHNOLOGY

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Department of Electrical and Electronics Engineering

Certificate of Participation

It is to certify that Mr / Ms *Alan B Mathew*
successfully completed 4 day short term course on **Introduction to Electrical
CADD**, organized by Department of Electrical and Electronics engineering on
27- 30 of July 2016.

Prof. Fini Fathima

Course coordinator

Prof. Robins Anto

Head of the Department

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Department of Electrical and Electronics Engineering

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It is to certify that Mr / Ms *Rahul Raj*
successfully completed 4 day short term course on **Introduction to Electrical
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Prof. Fini Fathima

Course coordinator

Prof. Robins Anto

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It is to certify that Mr / Ms Abhishek A
successfully completed 4 day short term course on **Introduction to Electrical
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Prof. Robins Anto

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