

Introduction to Electrical CADD

2015-2016

25,26 July 2015

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)



Robins H N 20
6/7/2019

2019-12-2 18:51

MAR BASELIOS CHRISTIAN COLLEGE OF ENGINEERING AND TECHNOLOGY, PEERMADE.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

2019-12-2 14:58

Sl.No	Name	25/7/2015	25/7/2015	26/7/2015	26/7/2015
		FN	AN	FN	AN
1	Abin Sajan Abraham	X	X	X	X
2	Abin Vijayan	X	X	X	X
3	Aju George	X	X	X	X
4	Akhil Muraleedharan	X	X	X	X
5	Akhil Sreenivas	X	X	X	X
6	Amith Muralee Krishna	X	X	X	X
7	Anandhu P.R	X	X	X	X
8	Anandhu Raj	X	X	X	X
9	Anjaly Madhu	X	X	X	X
10	Anjana Madhu	X	X	X	X
11	Aravind N.S	X	X	X	X
12	Bebatto J Luke	X	X	X	X
13	Bibin Mathew	X	X	X	X
14	Boney varkey	X	X	X	X
15	Cyril Varghese Mathew	X	X	X	X
16	Divine Kurian	X	X	X	X
17	Ebin Regi	X	X	X	X
18	Feby Francis	X	X	X	X
19	Francis Chacko	X	X	X	X
20	George Thomas	X	X	X	X
21	Joseph K Johny	X	X	X	X
22	Justin Kuriakose	X	X	X	X
23	Jyothilekshmi K.S	X	X	X	X
24	Libin P Varghese	X	X	X	X
25	Linto Mathew Daniel	X	X	X	X
26	Manjush V.M	X	X	X	X
27	Mathew Joseph	X	X	X	X
28	Sajomon Thomas	X	X	X	X
29	Shyam Krishnan U	X	X	X	X
30	Shyam Mohan	X	X	X	X
31	Sujo Johnson	X	X	X	X
32	Tessy Sara Varghese	X	X	X	X
33	Tinu Jacob Varughese	X	X	X	X
34	Tom Looby	X	X	X	X
35	Tomcy Philip	X	X	X	X
36	Vineeh M.V	X	X	X	X
37	Yadhukrishnan U	X	X	X	X
38	Amal Mohan	X	X	X	X
39	Jojo Varghese	X	X	X	X
40	Titto Ignatious	X	X	X	X
41	Ashna Viswambharan	X	X	X	X

R. G. G. G.
26/7/2015

P. K. K. K.

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Sl.No	Name	25/7/2015	25/7/2015	26/7/2015	26/7/2015
		FN	AN	FN	AN
42	Ajmal Sherief	X	X	X	X
43	Joseph George	X	X	X	X
44	Albin Jose	X	X	X	X
45	Reema Susan George	X	X	X	X
46	Adarsh P.K	X	X	X	X
47	Aamir Suhail	X	X	X	X
48	Navaf Rasheed	X	X	X	X
49	Justin George Isac	X	X	X	X
50	Jaison Varghese	X	X	X	X
51	Githu George	X	X	X	X
52	Edwin Benny Thomas	X	X	X	X
53	Ancy Thomas	X	X	X	X
54	Alvin Antony	X	X	X	X
55	Ajeeshkumar M	X	X	X	X
56	Sibi Thomas	X	X	X	X
57	Tijo Thomas	X	X	X	X

R. G. J. J.
26/7/2015

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2019-12-2 14:59



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COLLEGE OF ENGINEERING AND TECHNOLOGY**
KUTTIKKANAM, PEERMADE, IDUKKI DISTRICT, KERALA 685533

Department Of Electrical And Electronics Engineering

Certificate

of course completion

It is to certify that Mr/Ms *Aba Vijayan* successfully completed 2 day short term course on introduction to electrical CADD organized by Department of electrical and electronics engineering on 25 and 26 of July 2015

R. Griesh R

Prof. Griesh R

Course Coordinator

Robins Anto

Prof. Robins Anto

HOD Dept. of EEE

2019-12-2 14:59



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Department Of Electrical And Electronics Engineering

Certificate

of course completion

It is to certify that Mr/Ms *Ashra Visuambharan*..... successfully completed 2 day short term course on introduction to electrical CADD organized by Department of electrical and electronics engineering on 25 and 26 of July 2015

Prof. Griesh R

Course Coordinator

Prof. Robins Anto

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Department Of Electrical And Electronics Engineering

Certificate

of course completion

It is to certify that Mr/Ms *Manjush V.M* successfully completed 2 day short term course on introduction to electrical CADD organized by Department of electrical and electronics engineering on 25 and 26 of July 2015

R. Griesh R
Prof. Griesh R

Course Coordinator

Robins Anto
Prof. Robins Anto

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2019-12-2 15:00



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Department Of Electrical And Electronics Engineering

Certificate

of course completion

It is to certify that Mr/Ms *Abin Sajan Abraham* successfully completed 2 day short term course on introduction to electrical CADD organized by Department of electrical and electronics engineering on 25 and 26 of July 2015

Prof.Griesh R

Course Coordinator

Prof.Robins Anto

HOD Dept.of EEE

2019-12-2 15:00