

Introduction to Electrical CADD

2017-2018

22to 25 July 2017

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
6/7/2015

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Roll.No	Name	22/7/2017	22/7/2017	23/7/2017	23/7/2017
		FN	AN	FN	AN
1	Abhishek Balachandran	X	X	X	X
2	Ajay M Thomas	X	X	X	X
3	Akhilesh S	X	X	X	X
4	Alex Thomas	X	X	X	X
5	Anaz Shajahan	X	X	X	X
6	Anoop Kumar R	X	X	X	X
7	Arya Satheesan	X	X	X	X
8	Arya T R	X	X	X	X
9	Basil P Joy	X	X	X	X
10	Bibil K Biju	X	X	X	X
11	Jebin M	X	X	X	X
12	Jibin Varghese	X	X	X	X
13	Jiffin Sebastian	X	X	X	X
14	Jophin M George	X	X	X	X
15	Joseph C Chacko	X	X	X	X
16	Justin Johnson	X	X	X	X
17	Lakshmi S Raveendran	X	X	X	X
18	Libin P Joseph	X	X	X	X
19	Linto V Jacob	X	X	X	X
20	Meenu P Shaji	X	X	X	X
21	Naveen K Tom	X	X	X	X
22	Nijin Varghese John	X	X	X	X
23	Nikhil P Krishnan	X	X	X	X
24	Reeba Mathews	X	X	X	X
25	Rwithu Kovakkallil	X	X	X	X
26	Saiju T Jacob	X	X	X	X
27	Shahana Beegum O S	X	X	X	X
28	Sibin Babu	X	X	X	X
29	Stejin Thankachan	X	X	X	X
30	Sunish Suresh	X	X	X	X
31	Sunu Mariyam Alex	X	X	X	X
32	Supin J Varghese	X	X	X	X
33	Thomas Joseph	X	X	X	X
34	Vineetha Vijayan	X	X	X	X
35	Vivin George Varghese	X	X	X	X

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P. Govind
25/7/2017

Rubina A. U.

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R. G. S.
25/7/2017.

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37	Alen Joseph	X	X	X	X
38	Aysha Sulaiman	X	X	X	X
39	Aromal Krishna	X	X	X	X
40	Jeffin Jacob Paul	X	X	X	X
41	Joel Benny Thomas	X	X	X	X
42	Libin Liya	X	X	X	X
43	Mathe Jose	X	X	X	X
44	Prince Abraham Varghese	X	X	X	X
45	Jijo John	X	X	X	X
46	Sharon Thomas Mammen	X	X	X	X
47	Shealtiel Sacharia Koshy	X	X	X	X
48	Vipin Benny	X	X	X	X
49	Amal Suresh	X	X	X	X
50	Geo Jose	X	X	X	X
51	Visakh M S	X	X	X	X
52	Benson Thomas George	X	X	X	X
53	Amal Joseph	X	X	X	X
54	Alan Sam Sacharia	X	X	X	X
55	Sreedev S	X	X	X	X

R. Suresh
25/7/2017

Richard A. Thomas

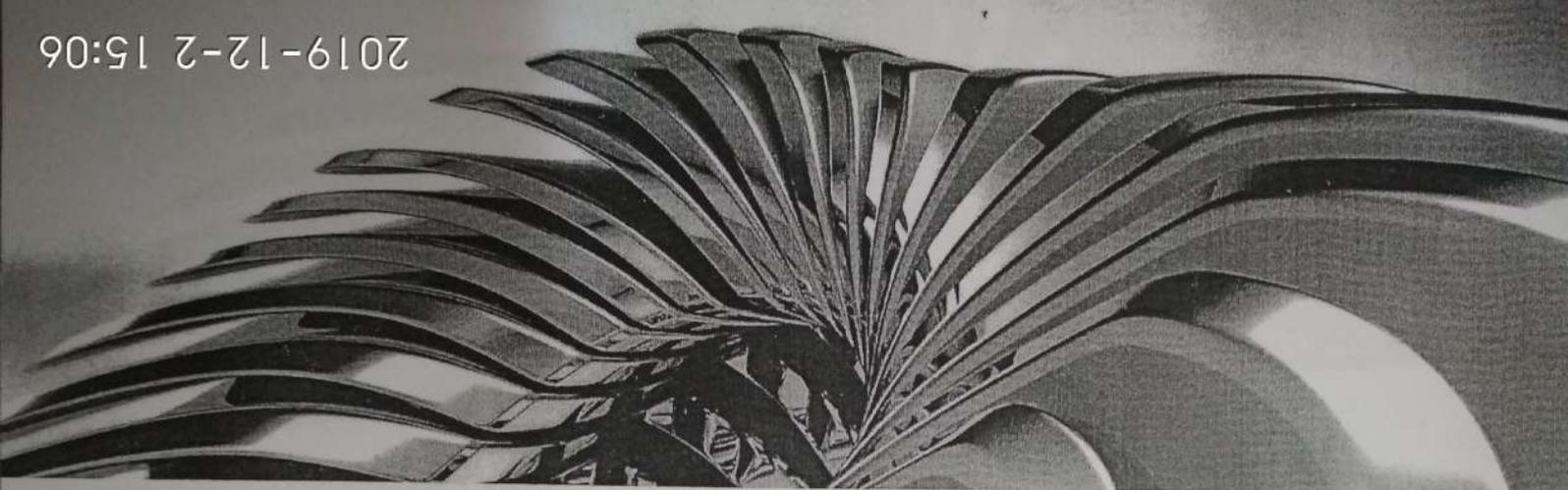
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55	Sreedev S	X	X	X	X

R. Govind
25/7/2017.

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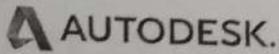
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Reeba Mathews

Name

Electrical CAD Using AutoCAD 2017

Course Title

AutoCAD

Product

Mar Baselios Christian College of Engineering and Technology, Kuttikanam

Institution:

Viju Antony

Instructor

2017-07-22 60 hours

Date

Course Duration

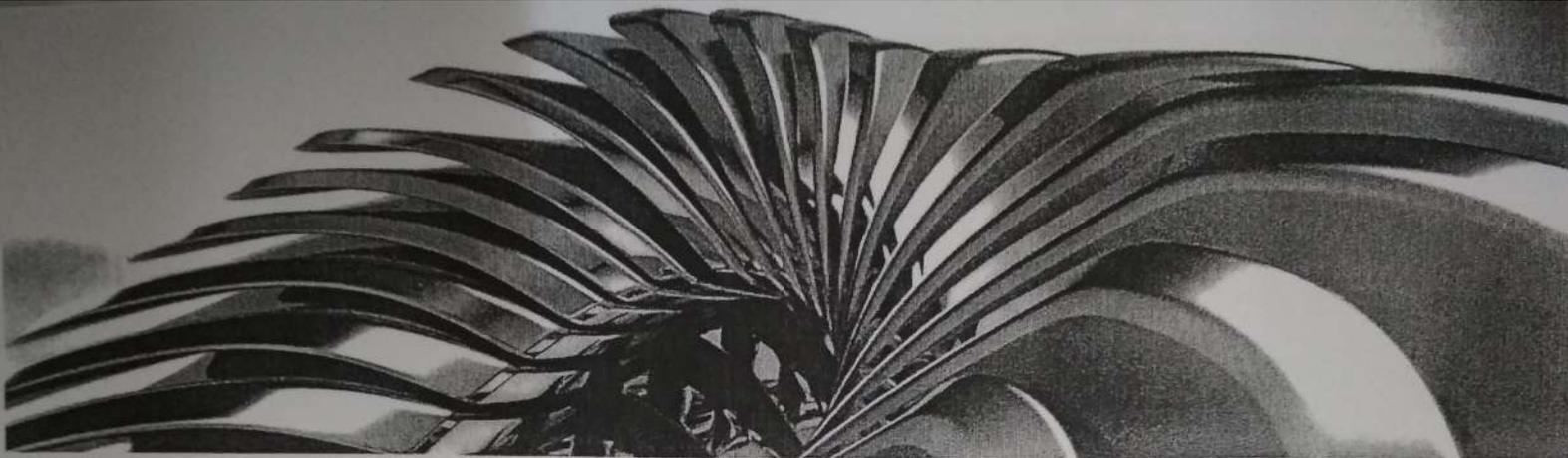
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Akhilesh S

Name

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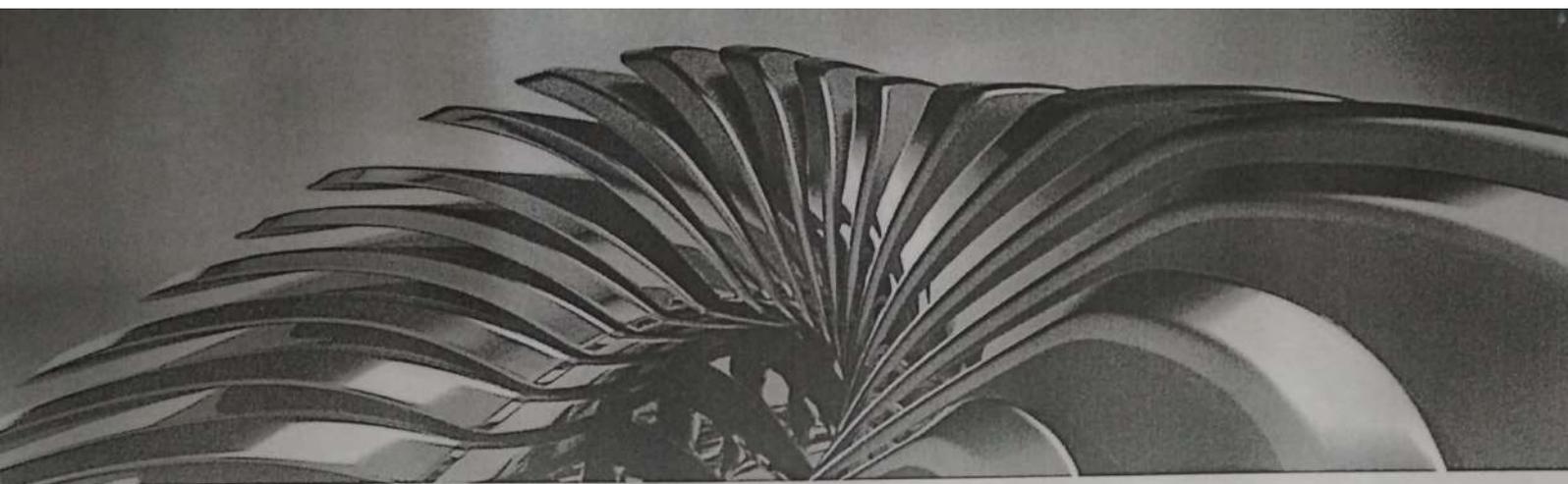
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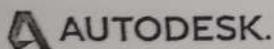
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Justin Johnson

Name

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Course Title

AutoCAD

Product

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Institution:

Viju Antony

Instructor

2017-07-22 60 hours

Date

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Abhishek Balachandran

Name

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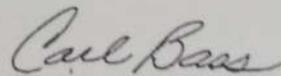
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