

Value Added Course

Syllabus of AutoCAD for Electrical and Electronics Engineering

Course Offered to:-B.Tech. (EE/ECE)

Course Duration:-36 Hr.

Introduction to AutoCAD

AutoCAD is computer-aided design software that is used to create, modify, analyse and optimise a design. Students will learn that this software is used by architects, engineers, and for the construction purpose of generating 2D and 3D designs.

Some other parts of the syllabus are:

- Understanding the application of 4 different AutoCAD
- Installing the application on the computer
- Learning about the user interface of AutoCAD, such as panels, ribbon, model space, etc.
- Understanding the setup tips of AutoCAD.
- Types and structures of drawings in AutoCAD
- Learning basic drawing tools

Draw commands

In this subject, students will learn about the objects used for drawing purposes, such as lines, polylines, constructed lines, polygons, rectangles, circles, arcs, ellipses, etc. These toolbars are used to create 2-dimensional drawings.

Some other parts of the syllabus are:

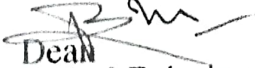
- Understanding the concept of drawing a toolbar
- Learning about line command, polyline command, and circle command
- Understanding the concept of other commands
- Arc command
- Text and rectangle command


Cartesian coordinate system

Students will learn about the cartesian coordinate system. This system is defined with the help of a pair of perpendicular lines, a single unit of length for both axes, and an orientation for each axis. It is also called a rectangular coordinate system and an orthogonal coordinate system.

Some other parts of the syllabus are:

- Developing different designs
- Methods of developing title block
- Setting up attributes
- Set up layers of industry standards
- Development of plans and elevations


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Modify commands

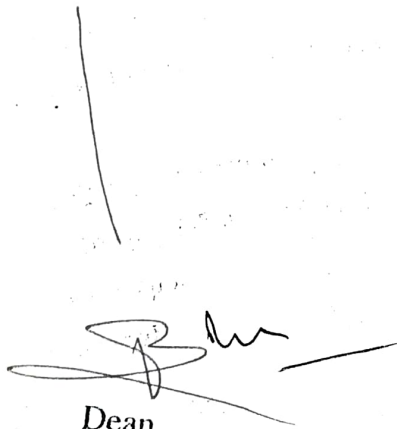
The commands are used for passing information to the initial point of the task; the information is only communicated between running programs. There are many restrictions attached to modifying commands.

Some other parts of the syllabus are:

- Use of erase commands
- Selection of multiple objects
- Move and copy command
- The distance method
- The two points method
- Trim and extend

Electrical drawings

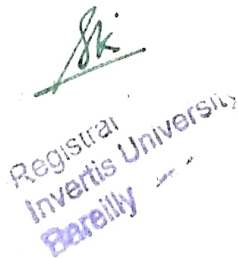
A diagram that shows the actual electrical connections is called an electrical drawing or a circuit diagram. There are mainly four types of electrical diagrams students will learn such as schematic diagrams, wiring diagrams, block diagrams, and pictorial diagrams.



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Department of Electrical Engineering

01 Feb 2022

CIRCULAR

VALUE ADDED COURSE (AutoCAD for Electrical and Electronics Engineering) - B.Tech. EE/EC

Students of B.Tech. (EE/EC) all years are hereby informed that value added course "AutoCAD for Electrical and Electronics Engineering" is scheduled from 15 February 2022 in your respective classroom, Academic Block-II.

Schedule:

- Time Slot: 03:00 PM to 05:00 PM
- Key Speaker: Dr. M P Sharma
- Duration: 2 hrs

Program Overview:

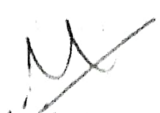
The objective of this course is to make the students aware and to learn how AutoCAD software really works. They have got the opportunity to gain and developed their technical skills by the learning of AUTOCAD and its various features and commands.



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Mr. Mon Prakash, Head
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VALUE ADDED COURSE (AutoCAD for Electrical and Electronics Engineering)

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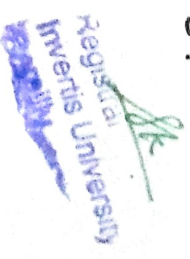
Program:-B. TECH.



03:00 PM TO 05:00 PM



15 February 2022 - 31
March 2022



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KEY SPEAKER :
Dr. M P Sharma.

HOD:
A.P. ANON DPAKASH INDIRA

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*** VALUE ADDED COURSE
(AutocAD Electrical and Electronics
Engineering).**



PROGRAM OVERVIEW:

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