



DEPARTMENT OF CIVIL ENGINEERING

REPORT ON FOUR DAY WORK SHOP ON MANAGING TOOLS AND PROJECTS IN AUTOCAD

The department of Civil Engineering in association with Department association TEAM RESILIENCE had conducted Workshop on “**MANAGING TOOLS AND PROJECTS IN AUTOCAD**” for second and third year Civil Engineering Students from 31st July to 3rd of August 2019, at A. J Institute of Engineering and Technology, Mangaluru. Workshop started at 10.00 a.m. in CAD Lab, 1st floor in the main building. The main objective of this training is to introduce students the basic commands and tools necessary for professional 2D drawing, design and drafting using AutoCAD.

ABOUT THE WORKSHOP

Computer-aided design and drawing is the use of computers to aid in the creation, modification, analysis, or optimization of a design. CAD software is used to increase the productivity of the designer, improve the quality of design, improve communications through documentation, and to create a database for manufacturing. CAD is mainly used for detailed engineering of 3D models or 2D drawings of physical components, but it is also used throughout the engineering process from conceptual design and layout of products.

The main goal of the workshop was to make the students familiar to the software and make them understand the correct method of using the software for their very advantage.

Ms. Janhavi, Head of ‘DIGICADD institute of drafting and design’, was the Resource person and trainer for the Workshop. Ms. Deeksha Anand, Assistant Professor, Department of Civil Engineering welcomed the the gathering.

Ms Anjana Janardhan of 3rd year Civil Engineering invoked the prayer. 2nd and 3rd year students of Civil Engineering and faculty members were Participants for the Workshop. Ms Bhargavi proposed the vote of thanks. Ms. Gaganashree of 3rd Year was Mater of Ceremony



Day 1:

- Introduction to AutoCAD.
- Advantages of the software.
- Getting familiar to AutoCAD user interface.
- Learning basic draw tools such as line, circle, arc and the various types and methods of using the same.
- Learning the modification tools such as move, mirror, rotate offset etc.

Day 2:

- Practical session for the students to practice the tools and create objects using the draw and modify tools.
- Next the students learnt about the layers, properties their uses and their applications in the drawings.
- Practical session for the students to create a plan of specified dimensions.
- Introduction to isometric drawings and a session for the students to create an object in the isometric view.

Day 3:

- Insertion of tables to the drawings and the various methods to create it.
- The students were then taught about the features of parametric tab relating to the geometric and dimensional constraints.
- The use of blocks, its importance and the method of creating different types of blocks were taught.
- The students had a practical session to get familiar to all the new commands taught and new assignments were given.

Day 4:

The attribute panel and the printing procedure were taught to the students.

- Some of the special commands were taught for the easy drawing of one point, two point and three point perspective view drawings and practical session was held.
- At last the students were also introduced to the modelling software like Revit Architecture and 3DS Max with the help of demo and filled lot of interest and enthusiasm to learn the same



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At the end of the workshop the students had given a positive feedback about the trainer and the workshop had given them the complete idea about the management of tool and Projects in AutoCAD.



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