



MOTHER TERESA
INSTITUTE OF SCIENCE AND TECHNOLOGY
Approved by AICTE, Govt. of Telangana , Affiliated to JNTUH & SBTET, Hyderabad
Recognition under Section 2(f) & 12 (B) of the UGC Act, 1956
SANKETIKA NAGAR, KOTHURU (V), SATHUPALLY – 507303, KHAMMAM Dist., TELANGANA
Phone : 9494641251, Email ID : info@mistech.ac.in



DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR: 2020-21

A SUMMARY REPORT

Course Name: Two Week Workshop on “PROFESSIONAL AUTO CADD & STAAD Pro.”

Name of the Resource Person: Mr. V.Bhaskar Rao, Design Labs, Hyderabad.

Gap Identified: Modern Tool Usage.

No. of Students attended: 82 members (III year students-45+ IV year students -37 = 82)

Summary: On the workshop overall of the sessions conducted (i.e 15-07-2021 to 30-07-2021) Mr. V.Bhaskar Rao, Design Labs, Hyderabad. Delivered a workshop on the basics of Introduction to the course to professional auto cadd & staad pro. We are looking for a skilled AutoCAD drafter to generate solid and surface CAD models for our clients using AutoCAD software. In this role, you will be required to meet with architects and engineers to discuss design concepts for CAD models, develop product designs, and generate Surface or Solid software models. To ensure success as an AutoCAD drafter, you should have extensive experience working with AutoCAD software, advanced design skills, and a keen eye for detail. Ultimately, a top-class AutoCAD drafter can design and create high-level design models that meet all the specifications of the client.

AutoCAD Drafter Responsibilities:

- Meeting with architects, designers, and engineers to discuss design ideas.
- Developing product designs from scratch.
- Presenting rough design drafts for client approval.
- Ensuring product designs meet required safety and structural standards.
- Generating Solid and Surface CAD models using AutoCAD software.
- Blending technique and aesthetics to create final designs.
- Presenting various design perspectives for construction improvements and adaptations.
- Finalizing AutoCAD models.
- Presenting models to clients.
- Completing job reports.

AutoCAD Drafter Requirements:

- Bachelor's degree in engineering, computer science, or architectural studies.
- Previous work experience as an AutoCAD drafter.
- Advanced knowledge of CAD and AutoCAD software.
- Advanced knowledge of mathematics, science, engineering, and architecture.
- Knowledge of state safety and structure regulations.
- Excellent technical design skills.
- Good communication skills.
- A keen eye for aesthetics and detail.
- Ability to project manager.

STAAD is the abbreviation for Structural Analysis and Design. STAAD.Pro is one of the popular software that is used for analysing & designing structures like – buildings, towers, bridges, industrial, transportation and utility structures. Designs may include any building structures like tunnels, culverts, bridges, piles, petrochemical plants; and building materials like timber, concrete, steel, cold-formed steel, and aluminium. By using software STAAD Pro V8i. STAAD. Pro is a structural analysis and design software which is widely used to analyze and design structures for bridges, towers, buildings, transportation, industrial and utility structures. The software has now its latest version, STAAD.Pro V8i with new and improved features. The STADD.Pro V8i can now analyze and design any engineering structure. The course is designed to offer students and professionals all the essentials to learn and use the STAAD.Pro V8i. The enrolled candidates will learn to master the application and will be empowered to deliver high-quality products and services.

- Automatically convert physical model into an analytical model thus making the workflow proper.
- Improve multi-discipline team collaboration through desktop and cloud and mobile applications
- Optimize concrete and steel BIM workflows with integrated physical members and surfaces.

The course contains some of the most powerful modules to gain expertise in the tool. Some of the modules of the course are:

- Introduction to STAAD.Pro
- Geometry creation
- Constants, Supports, and Specifications
- Seismology
- Member truss
- Water tank analysis
- Foundation design
- Concrete Design
- Steel Design
- Report generation

CADD Centre is one of the reputed and biggest brands in the field of technical training and skill development. Having a professional certification by such an organization will make the candidate stand out among other candidates and preferred for job openings.

Being professionally certified by one of the top brands on the globe, the candidates can accelerate on their career paths. The certification adds value to the candidate's profile validating their knowledge. This makes them eligible to grab the trending job opportunities in the market.

