SITAM

SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Gajularega, Vizianagaram, Andhra Pradesh, India-535002.

Accredited by "NAAC"

Approved by AICTE and Permanently Affiliated to JNTU Gurajada, Vizianagaram

Email: sitam@sitam.co.in, Website: www.sitam.co.in

Telephone No:9676788811, 8978812341/2, Land Line: 08922-234775

Department of Mechanical Engineering

TITLE - One Week Workshop On **HANDS ON TRAINING ON SOLID WORKS**

DATE(s) - 21st To 27th Jan 2026

VENUE – CAD/CAM LAB, SITAM.

RESOURCE PERSON - Mr. Seshagiri Rao
(Senior CAD Technical Trainer)



The Department organized a One Week Workshop on Hands-on Training on **SOLIDWORKS** from 21st to 27th January 2026 at the CAD/CAM Laboratory, SITAM. The primary objective of the workshop was to provide practical exposure to students in the area of Computer-Aided Design (CAD) and to enhance their technical competency in 3D modeling, assembly design, and drafting techniques used in modern engineering industries.

The workshop was conducted by Mr. Seshagiri Rao, Senior CAD Technical Trainer, who brought extensive industry experience and practical insights to the sessions. The program was designed to bridge the gap between theoretical learning and industrial applications through intensive hands-on training.



During the workshop, students were introduced to the SOLIDWORKS interface, sketching tools, and parametric modeling concepts. They practiced creating fully defined 2D sketches using geometric relations and dimensions. The sessions progressed to part modeling features such as Extrude, Revolve, Cut-Extrude, Fillet, Chamfer, and Hole Wizard. Participants designed various mechanical components to strengthen their understanding of modeling techniques.

Further sessions covered advanced features including patterns, sweeps, lofts, shell operations, and reference geometry. Students were also trained in assembly modeling, where they learned to apply different types of mates, create sub-assemblies, and check for interference. Drafting and detailing were emphasized, enabling students to generate orthographic views, sectional views, dimensions, and Bill of Materials (BOM) from 3D models.

Towards the end of the workshop, students worked on mini-projects where they applied the concepts learned to design and assemble functional mechanical components. These project-based activities enhanced their problem-solving abilities and confidence in using the software independently.

The workshop was highly interactive and received positive feedback from the participants. Students appreciated the systematic approach, real-time demonstrations, and practical exercises provided throughout the week. The training significantly improved their understanding of CAD tools and prepared them for industry-oriented projects and placements.

The Department expresses sincere gratitude to the resource person for his valuable contribution and to the management for providing the necessary facilities to conduct the workshop successfully. The program proved to be highly beneficial in enhancing the technical skills and employability of the students.


SITAM
ONE WEEK WORKSHOP ON
"HANDS-ON TRAINING ON SOLIDWORKS"
Speaker
CERTIFICATE
SITAM


ONE WEEK WORKSHOP ON
"HANDS-ON TRAINING ON SOLIDWORKS"
Speaker
Mr. SESHAGIRI RAO
CERTIFICATE
SITAM