

Computer Aided Design Laboratory (CAD Lab)

About the Laboratory

CAD Lab serves as a core facility for digital product design, geometric modeling, and engineering analysis. The **Computer-Aided Design (CAD) Laboratory** bridges the gap between theoretical engineering and digital prototyping. Its main objective is to train students in industry-standard geometric modeling, finite element analysis (FEA), and computer-aided manufacturing (CAM). The facility is equipped with workstations running advanced software like SolidWorks, Simulia Abaqus and ANSYS. Major activities include academic coursework, structural and thermal simulations, and generative design for student research projects.

Faculty In-Charge

Dr. V. S. Nagendra Reddy B

Technical Staff

- **Mr. Rajiv Kumar**

Laboratory Courses

Course Code	Course Name	Programme
MEPC416	Computer Aided Design (P)	B.Tech.
MME1L03	CAD & CAE Lab	M.Tech.

Major Equipment / Software

Equipment / Software	Quantity	Utilization
Dell Desktop Computers	30	B.Tech. / M.Tech.
SolidWorks Software	30	B.Tech. / M.Tech.
SIMULIA Abaqus Software	05	M.Tech. / Ph.D.
MATLAB Software (Network License Accessible)	Campus-wide	B.Tech. / M.Tech.
ANSYS (Network License Accessible)	300	M.Tech. / Ph.D.

Laboratory Photographs

