

Photo Galory of Display of POs and COs

Department of Mechanical Engineering

Programme Educational Objectives

1. Graduates will be engaged in ongoing learning and professional development through self-study, continuing education in mechanical engineering and also in other allied fields.
2. Graduates will apply their engineering skills, exhibiting critical thinking and problem solving skills in professional engineering practices or tackle social, technical and business challenges.
3. Graduates will adopt ethical attitude and exhibit effective skills in communication, management, teamwork and leadership qualities.

Programme Outcomes

At the end of the programme, a graduate will be able to:

1. Apply the knowledge of basic sciences and fundamental engineering concepts in solving engineering problems.
2. Identify and define engineering problems, conduct experiments and investigate to analyze and interpret data to arrive at substantial conclusions.
3. Propose an appropriate solution for engineering problems complying with functional constraints such as economic, environmental, societal, ethical, safety and sustainability.
4. Perform investigations, design and conduct experiments, analyze and interpret the results to provide valid conclusions.
5. Select/develop and apply appropriate techniques and IT tools for the design & analysis of the systems.
6. Give reasoning and assess societal, health, legal and cultural issues with competency in professional engineering practice.
7. Demonstrate professional skills and contextual reasoning to assess environmental/societal issues for sustainable development.
8. Demonstrate knowledge of professional and ethical practices.
9. Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary situations.
10. Communicate effectively among engineering community, being able to comprehend and write effectively reports, presentation and give/receive clear instructions.
11. Demonstrate and apply engineering & management principles in their own/team projects in multidisciplinary environment.
12. Recognize the need for, and have the ability to engage in independent and lifelong learning.

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CAD LAB

Do's & Don'ts

1. Students before availing CAD Lab should enter their necessary information in the log book (S.No, Name, Admin No, System No, etc.)
2. Students should use Z drive only for their storage.
3. Strict discipline is to be maintained in the lab.
4. Students are allowed to use internet facility with prior permission faculty / Programmer
5. Pen Drives are not allowed
6. Don't enter CAD Lab during the class work
7. While leaving the lab, shutdown the computer, turn-off monitor and put the chair properly.

CAD LAB

B.TECH. (MECH) 7th SEMESTER

Course Objectives

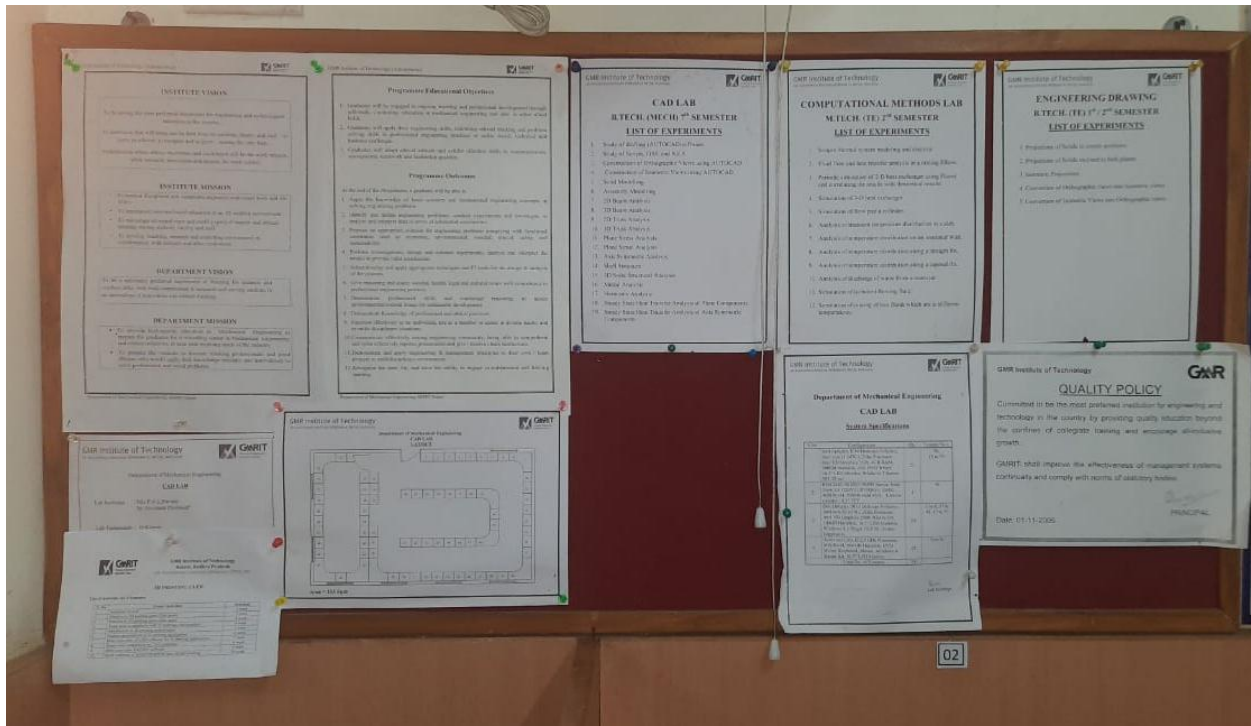
The course content enables students to:

1. Enable them in orthographic and isometric views of simple mechanical components using any drafting software as per the BIS standard.
2. Understand them in modeling and assembling 3D objects in Solid modeling software.
3. Learn a systematic approach for solving FEM problems.
4. Enable them to solve, analyze and validate the results using ANSYS.

Course Outcomes

At the end of the course students are able to:

1. Draw orthographic and isometric views of simple mechanical components using any drafting software as per the BIS standard.
2. Model and assemble 3D objects in Solid modeling software.
3. Prepare a systematic approach for solving FEM problems.
4. Solve, analyze and validate the results using ANSYS.



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