

Program Educational Objectives(PEO's)

Program Outcomes(PO's)

On completion of the M. Tech. (CAD-CAM) programme, the students shall be able to:

- Acquire knowledge and skills to evaluate, analyze, synthesize, model and integrate computer aided technologies to develop new products and improve manufacturability.
- Search out relevant technical information, use analytical tools to formulate problems and identify optimal solutions in wider theoretical, practical and policy contexts.
- Develop workable solutions to issues related to engineering and societal needs considering public health, safety, cultural and environmental factors in the context of product design, development and manufacturing.
- Demonstrate ability to work upon unfamiliar problems through investigative studies and research and contribute to the development of technological knowledge and intellectual property.
- Identify, formulate, model and solve engineering problems with modern computational tools and technologies.
- Possess knowledge for functioning effectively, as a member or team leader, in executing projects under diverse and multidisciplinary environments.
- Demonstrate knowledge of engineering materials, manufacturing processes, project management and finance principles to be able to manage projects efficiently.

- Communicate effectively in written, oral and graphical forms, provide instructions and present the results in a professional manner to the engineering personnel and the society.

- Develop ability to learn reflectively from mistakes, engage in lifelong learning, adapt new developments and participate in continuing education opportunities to foster personal and organizational growth.
- Demonstrate independent learning and scholarship by adopting research pursuits.

- Understand contemporary issues in providing technology solutions for sustainable development considering impact of economic, social, political, and global issues and thereby contribute to the welfare of the society.

- Demonstrate integrity, ethical behavior and commitment to code of conduct of professional practices and standards.