



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING M.Tech. (CAD/CAM)

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO-I: To empower the students by providing necessary knowledge base, critical thinking and problem-solving capabilities in the field of Computer Aided Design & Computer Aided Manufacturing (CAD/CAM) and allied fields so that they can excel in their profession, in industry, higher studies and Research & Development.

PEO-II: To develop core competencies in the field of CAD/CAM, so as to conduct experiments, comprehend, analyze, design and use appropriate techniques and tools to provide optimal solutions for the industry related problems.

PEO-III: To inculcate the responsibility to the society at large by sensitizing regulatory and Intellectual Property related issues along with communication skills and to promote entrepreneurship with sufficient knowledge of project/ finance management techniques for ensuring their career success.

PEO-IV: To motivate the students not only to be excellent in academics, professional ethics, team work, leadership skills but also to be lifelong learners in upcoming technologies for successful professional career.

PROGRAMME OUTCOMES (POs)

PO1: Post graduates will demonstrate their ability to acquire the state-of-the-art knowledge and to expand frontiers in the field of CAD/CAM Engineering.

PO2: Post graduates will demonstrate their abilities to analyze and evaluate complex engineering problems to make intellectual in CAD/CAM Engineering.

PO3: Post graduates will demonstrate the ability of problem-solving skills to find optimal solutions in the area of CAD /CAM Technologies including the considerations of public health, safety, cultural society and environmental problems.

PO4: Post graduates will demonstrate the ability to carry out literature survey, design, conduct of experiments and to analyze the results using appropriate research methodologies. They should also contribute scientific knowledge in CAD/ CAM areas either individually or in groups.

PO5: Post graduates will demonstrate ability to learn latest developments independently and continuously in the field of CAD/CAM Technology.

PO6: Post graduates shall acquire professional ethics and intellectual integrity in the consideration of impact of research outcomes for sustainable development of the society.