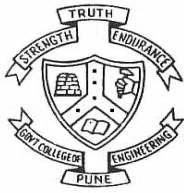


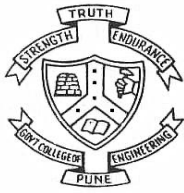
**Department of Manufacturing Engineering  
and Industrial Management  
College of Engineering Pune  
(An Autonomous Institute of Govt. of Maharashtra)**

UG	Program Educational Objectives (PEO's)	Program Specific Outcomes
<b>B Tech (Manufacturing Science and Engineering)</b>	<p><b>PEO1:</b> Our undergraduates will advance professionally as a result of his/her ability will solve complex technical problems using the knowledge of mathematics, science, engineering and humanities and to work in multidisciplinary areas whose solutions lead to significant societal benefits.</p> <p><b>PEO2:</b> Our undergraduates will demonstrate Professional engineering competence to real life problems and compete successfully using principles of manufacturing and time and quality management in the design and manufacture of products and services.</p> <p><b>PEO3:</b> Our undergraduates will exhibit professionalism, ethical attitude, communication skills, team work in their profession and adapt to current trends by engaging in lifelong learning.</p>	<p><b>After completion of the program, the undergraduates should be able to:</b></p> <p><b>PSO1:</b> Apply knowledge of manufacturing systems, Industrial Engineering and analytical techniques to solve real world problems.</p> <p><b>PSO2:</b> Apply knowledge of machine tool design, measurement systems, quality control and management systems to identify, formulate and solve complex engineering problems.</p> <p><b>PSO3:</b> Design, develop and manufacture innovative products using emerging manufacturing and computing technologies like CAD/CAM/CIM, Rapid prototyping, machine learning, artificial intelligence etc.</p>
<b>PG</b>		
<b>M Tech [Production Engineering] Specialization: Manufacturing Engineering and Automation</b>	<p><b>PEO1 Core Competence:</b> Our graduates will advance professionally as a result of his/her ability to solve complex technical problems and to work in multidisciplinary teams on problems whose solutions lead to</p>	



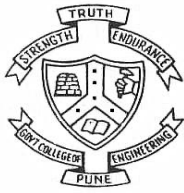
**Department of Manufacturing Engineering  
and Industrial Management  
College of Engineering Pune  
(An Autonomous Institute of Govt. of Maharashtra)**

	<p>significant societal benefits.</p> <p><b>PEO2 Depth (Research culture):</b> Our graduates will demonstrate professional engineering competence and able to apply principles of manufacturing and time and quality management in the design and manufacture of products and services.</p> <p><b>PEO3 Professionalism:</b> Our graduates will make scholarly contributions to knowledge as demonstrated by publishing papers and/or technical reports, applying for patents, delivering effective conference presentations, and/or contributing to innovative leadership articles, advance professionally and/or pursue higher education and /or turn entrepreneur.</p> <p><b>PEO4 Learning Environment:</b> Our graduates will demonstrate a commitment to the community and the profession through involvement with community and/or professional organizations and/or make contributions towards society's greater good and prosperity by exhibiting ethical attitude, life skill, team work in their profession and adapt to current trends by engaging in lifelong learning.</p>	
<p><b>M Tech [Mechatronics]</b></p>	<p><b>PEO1, Core Competence:</b> Our graduates will solve problems of the modern industrial world using the fundamental knowledge and skills in the analysis, design, manufacturing and</p>	



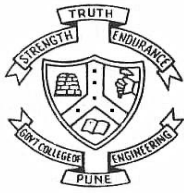
**Department of Manufacturing Engineering  
and Industrial Management  
College of Engineering Pune  
(An Autonomous Institute of Govt. of Maharashtra)**

	<p style="text-align: center;">automation of Mechatronics products and systems.</p> <p><b>PEO2, Depth (Research culture):</b> Our graduate will scientific perspective to design and manufacture of product and systems using latest engineering and IT tools for the benefit of mankind.</p> <p><b>PEO3, Professionalism:</b> Our graduates will acquaintance of technical, managerial and human skills with professional issues such as business ethics and corporate social responsibility.</p> <p><b>PEO4, Learning Environment:</b> Our graduates will entrepreneurship and inculcation of the spirit of continuous life-long learning towards a successful professional career.</p>	
<p><b>: M Tech [Project Management]</b></p>	<p><b>PEO1 Core Competence:</b> Our graduates will to provide students with fundamental and technical knowledge and skills in Project Management and to enable and empower them to solve problems of the modern industrial world.</p> <p><b>PEO2 Depth (Research culture):</b> Our graduates will to imbibe a scientific perspective in the students to make a decision of products/systems using</p>	



**Department of Manufacturing Engineering  
and Industrial Management  
College of Engineering Pune  
(An Autonomous Institute of Govt. of Maharashtra)**

	<p>Statistical, Engineering/Technical and Simulation tools.</p> <p><b>PEO3 Professionalism:</b> Our graduates will to acquaint students with technical, managerial and human skills and familiarize them with professional issues like ethics and morality, Intellectual property Rights, Constitution of India and Environmental responsibility</p> <p><b>PEO4 Learning Environment:</b> Our graduates will to motivate students for entrepreneurship and inculcate a spirit of continuous lifelong learning for a successful professional career.</p>	
<p><b>M Tech [Robotics and Artificial Intelligence]</b></p>	<p><b>PEO1. Core Competence:</b> Our graduates will fundamental and technical knowledge with skills in Robotics &amp; Artificial Intelligence &amp; area to enable and empower to solve problems of the modern industrial world.</p> <p><b>PEO2. Depth (Research culture):</b> Our graduates will Imbibing a scientific perspective to make a decision of Robotic systems and Artificial Intelligence using Mathematical, Engineering, Computational &amp; Simulation tools.</p> <p><b>PEO3. Professionalism:</b> Our graduates will make acquaint with technical,</p>	



**Department of Manufacturing Engineering  
and Industrial Management**  
**College of Engineering Pune**  
(An Autonomous Institute of Govt. of Maharashtra)

	<p>managerial and human skills and familiarize with professional issues like ethics and morality Intellectual property Rights, Constitution of India and Environmental responsibility.</p> <p><b>PEO4, Learning Environment:</b> Our graduates will motivation for entrepreneurship and inculcating a spirit of continuous lifelong \ learning for a successful professional career.</p>	
--	--	--