



**MAHAGURU INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING (PRODUCTION)**

**Programme Educational Objectives (PEOs) for 2020-2021**

1. Production Engineering Programme instills sound engineering knowledge and problem solving skills among the students.
2. Production Engineering Programme imparts knowledge to students in the latest technological topics on Production Engineering and to provide them with opportunities in taking up advanced topics in the field of study.
3. Production Engineering Programme moulds students into good engineering professionals who can find roles in industry.
4. To cultivate teamwork, technical writing and oral communication skills.
5. To provide students with an insight about the profession of engineering thus, helping them to be better professionals.



**MAHAGURU INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING (PRODUCTION)**

**Programme Outcomes (POs) for 2020-2021**

The Mechanical Engineering (Production) Programme is designed to prepare graduates to attain the following program outcomes:

1. **Engineering knowledge:** Graduates will apply knowledge acquired in mathematics, science, engineering and humanities to production engineering problems.
2. **Design/development of solutions:** Graduates will design manufacturing systems that would encompass machining technology, welding technology, metal forming, foundry technology and thermal engineering infrastructure and would meet specifications and requirements as demanded by the customers.
3. **Modern tool usage:** Use the techniques, skills, and modern engineering tools necessary for engineering Practice.
4. **The engineer and society:** Play a role of an engineer in all spheres of life including health, communication, science, legal system and cultural issues. Exhibit his professionalism for being a better engineer.
5. **Environment and sustainability:** Understand the role of professional engineering in society and implementing the same to maintain environmental ethics, and apply the knowledge for sustainability.
6. **Ethics:** Apply work ethics and follow the principles of engineering for performing their responsibilities efficiently.
7. **Individual and team work:** Perform effectively as an individual as well as lead a team in time of necessity. Exhibit qualities of cooperation and leadership so as to lead as a team.
8. **Communication:** As an engineer communicate effectively so as to share their ideas and knowledge as well as perform the activities efficiently. Also helps in creating better outcomes in terms of report making, documentation, and present effective presentations.
9. **Life-long learning:** Acknowledge the different needs of the profession and updating oneself to cope with the demands of engineering.



**MAHAGURU INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING (PRODUCTION)**

**Programme Specific Outcomes for 2020-2021**

1. Production Engineering Programme provides a clear understanding of the Production systems and their management
2. Production Engineering Programme instills the ability to understand, model and solve problems related to manufacturing areas
3. Students can apply their knowledge in the field of production engineering, thermal and fluid sciences to solve engineering problems utilizing latest technology.
4. Develop and implement new ideas on designing a product and developing with the help of modern CAD/CAM tools, while ensuring best manufacturing methods.
5. Develop and implement new ideas on product design and development with the help of modern CAD/CAM tools, while ensuring best manufacturing practices.