



# VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING M.Tech.

### PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

**PEO1:** Graduates will pursue their professional career in manufacturing domain meeting the needs of Indian and global/multinational organizations.

**PEO2:** Graduates will demonstrate strong foundation in the manufacturing domain enabling them to visualize, analyze and solve practical problems with due consideration for economical, safety and environmental concerns

**PEO3:** Graduates will undertake research and engage in continuous upgradation of skills in the manufacturing domain

**PEO4:** Graduates will exhibit leadership qualities with demonstrable attributes in life-long learning to contribute to societal needs

### PROGRAMME OUTCOMES (POs)

**PO1:** An ability to independently carry out research /investigation and development work to solve practical problems

**PO2:** An ability to write and present a substantial technical report/document

**PO3:** An ability to demonstrate a degree of mastery over the manufacturing systems and processes.

**PO4:** An ability to design and develop a product or manufacturing system with due consideration for economical, safety, environmental and societal concerns.

**PO5:** ability to assimilate advancements and apply engineering judgment to solve problems in manufacturing.

**PO6:** An ability to use skills, modern tools and techniques to solve engineering problems and understand the impact of solution in a global context with professional and ethical responsibilities.