

## **Programme Educational Objectives (PEOs)**

The Program Educational Objectives adapted for the BE Industrial and Production Engineering (IPE) program are:

1. To equip the students to have a successful career in manufacturing, service, R and D and academic professions so as to meet the global challenges.
2. To inculcate the professional skills amongst the students in the design, manufacture, maintenance, quality and computational aspects of products and services.
3. To provide knowledge that enables the students to get the required inputs to become competent industrial engineers and managers acceptable to the present day industries.
4. To promote student's lifelong learning skills, entrepreneurial ability, ethical practices, creativity and communication.
5. To strengthen the knowledge of students in multi-disciplinary areas of engineering.

## **Programme Outcomes:**

The program outcomes of Industrial and Production Engineering department are articulated in accordance with the NBA attributes and are:

- PO1. Ability to apply knowledge of mathematics, science, and engineering
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data
- PO3. Ability to design a system, component, or process to meet desired needs of the society
- PO4. Ability to function in multi-disciplinary teams
- PO5. Ability to identify, formulate, and solve engineering problems
- PO6. Understand professional and ethical responsibility
- PO7. Ability to communicate effectively
- PO8. Understand the impact of engineering solutions in a global, economic, environmental, and societal context
- PO9. Demonstrate the knowledge of engineering management and finance
- PO10. Recognition of the need for, and an ability to engage in life-long learning
- PO11. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- PO12. Ability to develop a sense of personal, social, and moral responsibility