Programme Educational Objectives and Programme Outcomes

Programme Educational Objectives of M.E. Production Engineering are as follows.

The postgraduate programme in Production Engineering equips the students with knowledge and skills to meet the needs of the industry with the present market conditions. The objectives of this postgraduate program are:

1. To impart skills to identify manufacturing related problems in industries, formulate, analyse and suggest cost effective solution using state of the art techniques.

2. To prepare students to innovate manufacturing processes to address issues on sustainability.

3. To motivate students to pursue research in manufacturing and related domains for achieving continuous improvement.

4. To provide a learning environment that will impart communication skills, sense of social responsibility, desire for lifelong learning and excellence.

Programme Outcomes of M.E. Production Engineering are as follows.

The Programme Outcomes describe the attributes, skills, and abilities that students should have upon completion of this Programme and are listed below:

a) Postgraduates will apply the knowledge acquired in mathematics, science, and engineering to understand and solve the problems related to manufacturing.

b) Postgraduates will use modern equipment and technology that can be applied to improve manufacturing systems and processes with industry participation.

c) Postgraduates will identify the need of automation and demonstrate ability to automate manufacturing systems.

d) Postgraduates will be encouraged to have out of box thinking in continuous improvement of manufacturing processes with integration of design systems.

e) Postgraduates will be motivated to become entrepreneurs.

f) Postgraduates will be capable of developing new manufacturing systems and assessing the feasibility from technical, financial and social perspectives.

g) Postgraduates will be mentored in their areas of interest and will demonstrate abilities to communicate their research outcomes.

h) Postgraduates can pursue their careers with manufacturing industries in supporting manufacturing activities and in the area of Research and Development.