INSTITUTE OF MANAGEMENT & TECHNOLOGY

INNOVATION • MOTIVATION • TRANSFORMATION

Manufacturing Practices/Workshop Lab (BMEP-101)

Course Outcomes:

At the end of this course, students will demonstrate the ability to

1. Understanding different manufacturing techniques and their relative advantages/ disadvantages with respect to different applications.
2. Selection of a suitable technique for meeting a specific fabrication need.
3. Acquire a minimum practical skill with respect to the different manufacturing methods and develop the confidence to design & fabricate small components for their project work and also to participate in various national and international technical competitions.
4. Introduction to different manufacturing methods in different fields of engineering.
5. Practical exposure to different fabrication techniques.
6. Creation of simple components using different materials.
7. Exposure to some of the advanced and latest manufacturing techniques being employed in the industry

Laboratory Outcomes:

1. Upon completion of this laboratory course, students will be able to fabricate components with their own hands.
2. They will also get practical knowledge of the dimensional accuracies and dimensional tolerances possible with different manufacturing processes.
3. By assembling different components, they will be able to produce small devices of their interest

Workshop Practice:

1.Machine shop

2.Fitting shop

3.Carpentry

4.Electrical & Electronics- Soldering, Brazing, Winding etc.

5.Welding shop

6.Casting Smithy

7.Plastic Moulding / Glass Cutting/ Sheet Metal Shop

Department of Mechanical Engineering