

## **PRODUCTION TECHNOLOGY**

### **List of Experiments:**

#### **I. Metal Casting Lab:**

1. Pattern Design and making – for one casting drawing.
2. Sand properties testing – Exercise for strengths and permeability – 1
3. Moulding Melting and Casting – 1 Exercise

#### **II. Welding Lab:**

1. ARC Welding Lap & Butt Joint – 2 Exercises
2. Spot Welding – 1 Exercises
3. Gas Welding – 1. Exercise
4. Soldering and Brazing – 2 Exercises

#### **III. Mechanical Press Working Lab:**

1. Blanking & Piercing operation and study of simple, compound and progressive press tools.
2. Hydraulic Press: Deep drawing and extrusion operation.
3. Bending operations.

#### **IV. Plastics Lab:**

1. Injection Moulding
2. Blow Moulding