

PRODUCTION TECHNOLOGY LAB

Production Technology Lab chiefly encompasses Metal casting, Welding, Press working and Processing of Plastics. It inculcates knowledge and skill to the students starting from preparing a wooden pattern to completion of a casting which also comprises different Sand testing techniques. Also, students can understand broadly Welding and press working skills employed in Industries. One of the most outstanding features of plastics is the ease with which they can be processed. Production Technology lab also throws light on processing of plastics by Blow and Injection molding machines.



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 Exercise
3. Gas Welding—1.Exercise
4. Soldering and Brazing—2 Exercises

III. Mechanical Press Working:

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

IV. Processing of Plastics:

1. Injection Moulding
2. Blow Moulding