

PRODUCTION TECHNOLOGY LAB

Objective: The objective is to impart technical skills to learner in the areas of Casting, Welding, press working and Processing of plastics



Sections Handled: II A & B

Major Equipment Detail:

S.NO	Name of The Equipment/Make/Model No	Qty
1	Gas Welding	1
2	Injection Molding	1
3	Permeability Meter	1
4	Sand Rammer	1
5	Spot Welding Machine	1
6	TIG Welding Machine	1
7	Universal Strength Machine	1
8	Wood Turning Lathe	1
9	Aluminum melting Furnace	1
10	Arc Welding Machine	1
11	Hydraulic Press	1
12	Foundry tools	1
13	Gas Cutting	1

Faculty In Charge with Qualification: P V Siva Teja, M.E., (Ph.D.,)

Lab Technician Name with Qualification: Mr. V S Venkateswara Rao, Diploma

1. Preparation of A Single Piece Solid Pattern.
2. Preparation of A Mould Cavity for Stepped Cone Pulley.
3. Preparation of A Mould Cavity for Bush Pattern.
4. Testing of Various Moulding Sand Strength Properties.
5. Conducting Permeability Test on Moulding Sand.
6. Preparation of Lap Joint by Arc Welding Process.
7. Preparation of a Split Pattern.
8. Preparation of a Mould Cavity for Hand Wheel.

9. Preparation of Single V Butt Joint by Arc Welding Process.
10. Preparation of a Butt Joint by Spot Welding Process.
11. Preparation of a Lap Joint by Spot Welding Process.
12. Preparing a Cap by Using Injection Moulding Process.

Experiment List beyond the Curriculum:

1. Preparation of T -Joint by Arc Welding Process.
2. Blacking and Piercing Using Hydraulic Press