



**SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN::BHIMAVARAM  
(AUTONOMOUS)**

**DEPARTMENT OF MECHANICAL ENGINEERING  
MANUFACTURING TECHNOLOGY LAB**

**Laboratory In-charge** : Mr. N.Raja sekhar

**Laboratory Technician** : Mr. PVGK Raju

**OBJECTIVE:**

This lab is designed to provide the practical experience and an understanding of the numerous fundamental manufacturing processes of various materials.



**Lab Equipment:**

<b>S.No</b>	<b>Description</b>	<b>Stock</b>	<b>Cost (Rs)</b>
1	Injection Moulding Machine	1	30,606
2	Blow Moulding Machine	1	30,606
4	Spot Welding Machine	1	36,273
5	A.C Arc Welding Machine	1	4,950
6	Gas Welding Machine	1	15,000
7	Hydraulic Press	1	39,150
8	Fly Press	1	66,983
9	Tilting Crucible Furnace	1	46,637
10	Sand Rammer	1	11,232
11	Sand Siever	1	29,266
12	Permeability tester	1	16,694
13	TIG Welding Machine	1	67,200
<b>Total</b>			<b>3,94,597</b>

**List of Experiments:**

<b>S.NO</b>	<b>NAME OF THE EXPERIMENT</b>
1	Pattern making using wood turning lathe
2	Determination of permeability of a sand specimen
3	Determination of grain fineness number using sieve shaker
4	Preparation of green sand mould
5	Melting and casting of Aluminium
6	Preparation of lap joint & butt using gas welding
7	Preparation of lap joint & butt using arc welding
8	Preparation of lap joint using spot welding
9	Blanking and piercing operation by simple process using hand press
10	Bending operation of sheet metal using v-bend die
11	Preparation of bottle using injection molding
12	Preparation of bottle cap using blow molding
13	Formability of metal plate through Limiting dome height (LDH) test