

# Laboratories

## 1. Machine Shop

Objectives:

- a) To impart hands on experience on conventional as well as advanced machinery like CNC
- b) To get acquainted with tool geometry of cutting tool & measuring instruments
- c) To learn safe operating of rotating machines of shop.
- d) To Understand & read the job drawing.



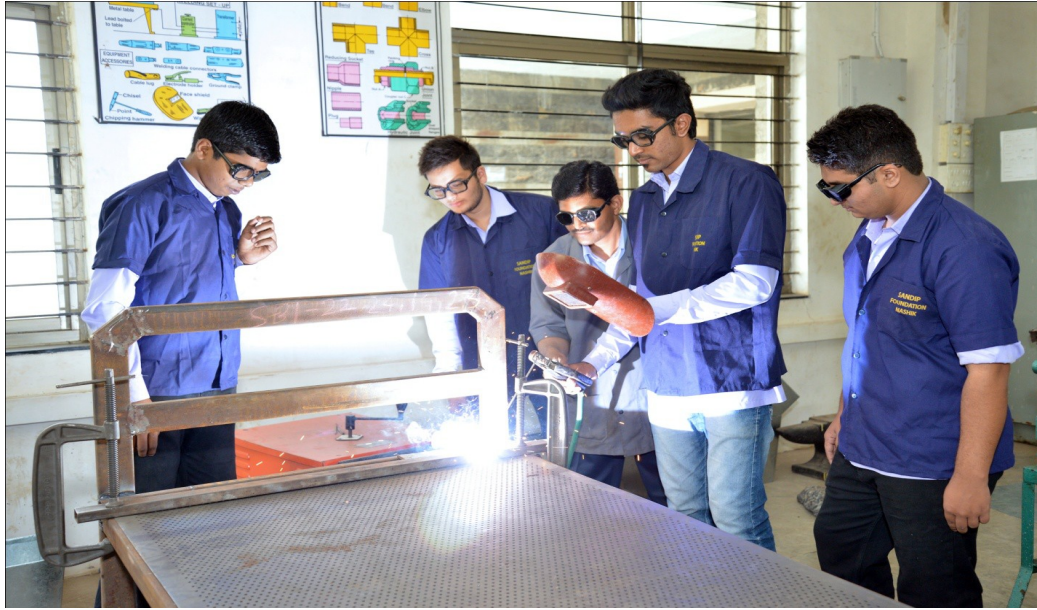
**Machines /Tools in shop:**

Sr. no.	Description of Equipments	Qty.
1	Lathe Machine (Belt Drive)	14
2	Lathe Machine ( Gear Drive)	6
3	CNC LATHE ( Turning )	1
4	Radial Drill Machine	1
5	Surface Grinder	1
6	Shaping Machine	1
7	Milling Machine	1
8	Pedestal Grinder	1
9	Slotting Machine	1
10	Hydraulic Power Saw Machine	1

## 2. Welding Shop

Objectives:

- a) To learn different types of welding joints.
- b) To get hands on experience on welding process.



### Machines /Tools in shop:

Sr.No	Description of Equipments	Qty.
1	Welding Transfarmer 300Amp.	1
2	Welding Rectifier 400 Amp	1
3	Cut off Machine	1
4	Spot Welding Machine	1
5	Drill Machine	1
6	MIG Welding Machine	1
7	Pipe Bending Machine (Manual)	1
8	Pipe Bending Machine (Hydraulic)	1
9	Injection /Plastic molding machine	2

### 3. Carpentry Shop

Objectives:

- a) To understand different types of wood like: Teak, Pine, Mango.
- b) To operate carpentry machines like wood turning lathe & circular saw



**Machines /Tools in shop**

Sr.No	Description of Equipments	
1	Centre Lathe /Wood Turning	2
3	Surface planer with Circular saw machine	1



#### 4. Fitting Shop

Objectives:

- a) To know the different types of tools & measuring instruments in fitting shop
- b) To learn & perform a job for different types of fitting joints.



**Machines /Tools in shop:**

Sr.No	Description of Equipments	
1	Pedestal grinder	1
2	Drill machine	2
3	Forming machine	1
4	Hand Shearing machine	1
5	Sheet Bending machine	1