



P.S.R ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University,
Chennai)

Sevalpatti (P.O), Sivakasi – 626140.

Tamilnadu State



CENTRAL FABRICATION LABORATORY

All the departments have their required equipments / tools / instruments / apparatus for conducting practical classes, projects and research. Apart from that a Central Fabrication Laboratory (CFL) has been established in the Mechanical Engineering Department in the year 2018 for training the students and scholars. In the CFL a separate air conditioned board room is also available for discussion / presentation. The Total Area of CFL is 267.55 Square Meter. This Laboratory has the following facilities:

- 3D printing Machine lab (Size = 15.404 Square Meter)
- CNC Machines Lab (Size = 32.706 Square Meter)
- Board Room (Size = 15.404 Square Meter)
- Tool Room (Size = 7.419 Square Meter)

Objectives of Central Fabrication Laboratory:

- To provide hands-on experience in practical knowledge
- To enable students to fabricate their project work
- To carry out research activities under one roof
- To train personnel in operation maintenance of sophisticated instruments.
- To organize short-term courses/workshops for students, research scholars and faculty members from the institutions within the region.

Available Equipments:

- 3-D Printing Machine
- CNC Milling machine
- CNC Lathe
- Gas welding machine
- Arc Welding Machine
- Spot Welding Machine
- Power hacksaw

Available Power Tools:

- Demolition Hammer
- Rotary Hammer
- Hand Drilling Machine
- Hand Grinding Machine
- Angle Cutter Machine
- Wood Cutter Machine
- Jig Saw Machine

Available Hand Tools:

- Double Ended Spanner Set
- Ring Spanner Set
- Clutch Spanner
- Allen key set (Black)
- Pipe Wrenge
- Box Spanner
- Round, Triangular and Square files
- Cutting Plier
- Screw Driver Set
- HOT air gun
- Soft faced hammer
- Lever Hacksaw frame
- Digital Multi Meter
- Electronic Precision Screw Driver Set
- Soldering Iron and De-Soldering gun.



Outside View



3D Printer



CNC Lathe



CNC Milling Machine



Gas welding Machine



Arc Welding Machine



Multipurpose Working Table



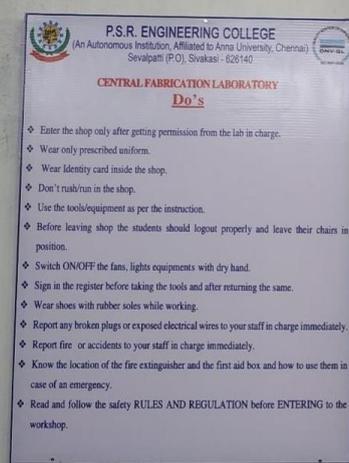
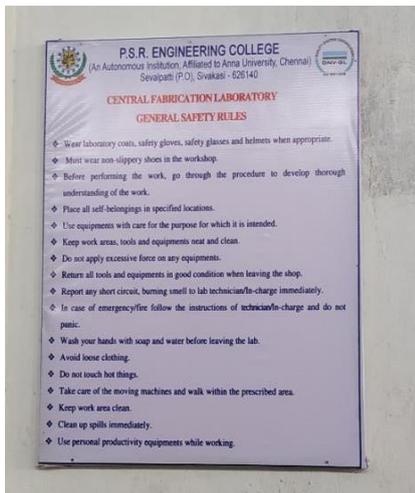
Tools Available



Working Area



Board Room



Safety Rules, Dos & Don'ts