

Applied Hydraulic and Pneumatics (AHP) Lab

(Room 508)

Applied hydraulics and pneumatics are essential components of industrial automation as they involve the use of fluids to transmit power and control machines and processes, making them versatile and applicable to various industrial applications. Understanding these systems is crucial for ensuring smooth operations, maintaining productivity, precise positioning of machines, diagnosing and fixing problems, and ensuring worker safety. Therefore, having a thorough understanding of applied hydraulics and pneumatics is a specialized skill set that can make an individual a valuable asset to any industrial automation team.

SMC Corporation of Japan is a world-renowned manufacturer of high-quality pneumatic components, systems, and equipment for automation and control applications in various industries. SMC's commitment to quality, innovation, and customer satisfaction has made it a global leader in industrial pneumatics, with a strong presence in over 80 countries worldwide. This lab is equipped with Pneumatic and Electro pneumatic kits from SMC.



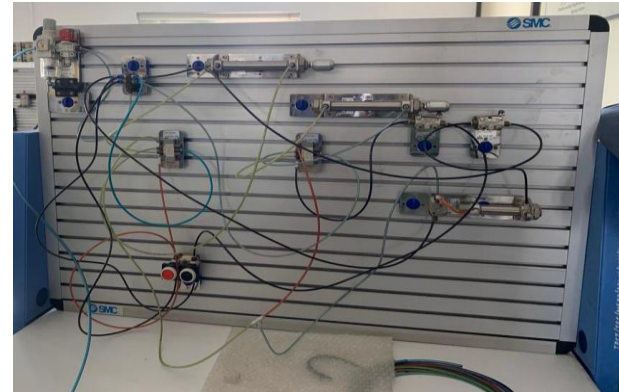
Lab cost-Rs.9,68,297 /-
Lab Area- 60.61 Sq.m.

Available Resources Hardware:

Lab is equipped with

1) **SMC Pneumatic and electro-pneumatic Training kit**

- SMCT-SA1 06-P1 Pneumatic training kit
- SMCT-SA1 06-EP1 Electro-Pneumatic training kit



2) **Advanced Customised Electro-Hydraulic Trainer**

with Hydraulic Accumulator , Hydraulic motor, Telescopic cylinder and limited Rotary actuator



3) **Gear pump Test rig**



Laboratory Pics



Other Activities In Lab

SMC Pneumatic Mini Exhibition Nov 2022

