

Department of Mechanical Engineering

Mechtronics Laboratory

❖ Objective :-

- Mechtornics is a multidisciplinary field of engineering that includes a combination of mechanical, Electrical, Electronics, Telecommunication engineering etc.
- In this lab. The students can understand & operate Pneumatic systems and hydraulic systems and also PLC based automatic operation of piston- cylinder arrangements.
- Mechtornics lab gives the knowledge to design or select sensors, actuators, develop control algorithm and use of developed advance functional materials for mechanical system.



❖ List of experiments:

- Basic principle of sensing & actuating techniques.
- Electro Pneumatic.
- Electro hydraulic.
- Ladder Programming & bottle filling.
- Working of PID & PLC.
- Identification of flexural base mechanism.

❖ List of Equipment:

- Electro Pneumatic circuit logic kit.
- Electro Hydraulic logic trainer kit.