



**Mechatronics Laboratory**

**Laboratory In-charge** : Mr. S. NandhaGopan.

**Technical supporting staff** : Mr. N. Tamilselvan.





**Major Equipments:**

1. Basic Electro Pneumatic Trainer kit(VMPT-302-LC).
2. Basic PLC Controlled Pneumatics Trainer kit(VMPT-303-LC).
3. Servo controller using open/closed loop (0.64Nm, 50 Hz, Y connected).
4. PID controller set-up (DC Motor)(12V, 1500 rpm).
5. 8051 Microcontroller Kit with Stepper Motor Control(12V. 0.5A, DC).
6. Data Logging of Process Variables(Multi Process Control).
7. Hydraulic & Pneumatic Simulation Software (Hydrosim&Pnemosim software Release 4.2, 10 Users ).
8. ELGI Air Compressor (TS 05HN).
9. Automation Studio 5.7 Software.
10. Basic Pneumatic Trainer kit (VMPT-304).
11. Basic Hydraulic Trainer Kit.
12. Assembly language Programming of 8085 Micro Processor.
13. 8051 Micro controller with Traffic Light Interface.
14. Study of various types of Transducers Kit.