

Mechatronics and Controls lab

Experiments

Process Trainer

- Process Control Technology Trainer
- Measurement Trainer – Flow
- Measurement Trainer-Temperature

PLC

- PLC Controlled Mini Factory Trainer
- PLC Trainer / Simulator

Control

- Servo Motor Control Trainer
- Digital Temperature Controlled System
- Two Position Controller
- PID Digital Controller
- LabVIEW Based Ball & Plate
- Electro Pneumatic Trainer
- Sensors Trainer

In this lab, students learn the practical aspects in simulation and control of industrial processes and mechanical systems in general.

- **Process Control Trainer:** A fully integrated, self-contained bench apparatus consisting of a number of experiments in process control, such as Flow, Level, Pressure, and Temperature.
- **PLC Controlled Mini Factory Trainer:** The system examines a simulated factory automation with PLC. The trainer contains topics on mechanic, electronic, pneumatic, PLC, sensor technologies and motor control
- **Flow Control Trainer:** The experiments include understanding the principles of On/Off Control, PID control, Feedforward and other types of control used in the industry.

