

Mechatronics Laboratory – Siemens Centre of Excellence(SCoE)

About the Laboratory

- Mechatronics Lab integrates mechanical systems, electronics, pneumatics, and computer control systems centered around the Siemens TIA Portal and SIMATIC Programmable Logic Controllers (PLCs)
- It provides a state-of-the-art learning environment that bridges the gap between academic theory and modern smart manufacturing. Equipped with industrial-grade Siemens PLCs, TIA Portal and the advanced Modular Manufacturing System (MMS), the lab replicates real-world automated production lines to train workforce-ready engineers.

Faculty In-Charge

Dr. Ranjeet Kumar

Technical Staff

Mr. Amit Kumar

Laboratory Courses

Course Code	Course Name	Programme
RAPC-215	Actuators, Drives and Sensors	B.Tech.

Major Equipment/Software

S. No.	Equipment/Software	Quantity	Utilization
1	Dell OptiPlex 3070 Computers	06	B.Tech.
2	Siemens TIA Portal	10	B.Tech.
3	Modular Mechatronics System (MMS) with PLCs – 5 Stations	02	B.Tech.

Laboratory Photographs



1. Feeder Station



2. Inspection station
3. Buffer Station



4. Process station
5. Sorting Station

Modular Manufacturing System

