



ANDHRA PRADESH STATE
Skill Development Corporation



SIEMENS

Mechatronics Lab

The Mechatronics Lab imparts expertise in the field of Mechatronics system/process.

Participants are trained on various Electrical Components, Mechanical Components, Pneumatics & EPneumatics and Digital Fundamentals troubleshooting Techniques with System Approach. Its benefits student from all streams to have cross field knowledge.

Features of the Laboratory

- ❖ This Lab is equipped with MAPS 6S (Modular Automation Production System with 6 stations) with Compressors for Pneumatic supply.
- ❖ And also, Siemens PLC S7-1200
- ❖ This Lab is fully integrated with Electronic, Electrical, Mechanical, Pneumatic and computer integrated components.

Significance of the Laboratory

After successfully completing this course, Participants can be able to

- ❖ Approach any kind of Mechatronics Systems
- ❖ Identify the different kinds of Electronic, Electrical, Mechanical, Pneumatic and computer integrated components.
- ❖ Troubleshoot the any Mechatronics System by tracing the energy, Mass and the information flow.
- ❖ And also Write the PLC program for individual modules as well as the entire system.
- ❖ Interface PLC's of different modules.