

BTECH/MTECH MINOR/MAJOR PROJECTS

❖ ECE/EE

Project list of PLC/SCADA Automation:

- ✓ Designs of PLC control of the twin valve filter
- ✓ Robust motion control for humanoid robot flexible joints
- ✓ Water level controller using PID controller implementation with PLC
- ✓ Real time mailbox alert system via SMS
- ✓ PLC based automatic bottle filling System
- ✓ Design of Power Saving in Water Supply of Deep Wells
- ✓ Irregular Surface Area Measuring Instrument
- ✓ Equipment Availability In Control Systems
- ✓ Mobile Controlled Smart PLC with Integrated SMS Troubleshooting Technique
- ✓ Design and research of embedded PLC development system
- ✓ A Web PLC Using Distributed Web Servers for Data Acquisition and Control: Web Based PLC
- ✓ First Fault Identification and Announcing system
- ✓ Programmable logic controllers used in collecting of metal packaging waste
- ✓ Programmable logic controllers used in electric drives of an intelligent building
- ✓ Genetic programming applied to programmable logic controllers programming

- ✓ PID implementation of heating tank in mini automation plant using Programmable Logic Controller (PLC)
- ✓ Variant-frequency fuzzy controller for air conditioning driver by programmable logic controller
- ✓ Smart home gateway for smart grid
- ✓ An embedded PLC development for teaching in mechatronics education
- ✓ Modbus communication used in the machine of spark plug
- ✓ Power plant coal conveyer coal link PLC control system
- ✓ Trajectory Tracking of a Non holonomic Mobile Robot with Kinematic Disturbances: A Variable Structure Control Design
- ✓ Decentralized implementation approach of control synthesis of manufacturing systems
- ✓ Research of Internet based supervisory control and information system
- ✓ Considerations in network and automation options for low-voltage motor control centers
- ✓ To develop an embedded controller for stepping motor drive system
- ✓ Digraph model for risk identification and management in SCADA systems