



Embedded Systems Design (630470)

Summer Semester 2015/2016 Projects

- Project 1: Keypad Interfacing and Programming.
- Project 2: Liquid Crystal Display (LCD) Interfacing.
- Project 3: Analog Input/Output Interfacing.
- Project 4: Calendar Design and Programming.
- Project 5: Serial Input/Output Interfacing.
- Project 6: Temperature Monitoring and Control.
- Project 7: Pulse Width Modulation (PWM) Signal Generation.
- Project 8: Stepper Motor Control.
- Project 9: DC Motor Control.
- Project 10: Speed and Position Measurement of a Rotating Shaft.
- Project 11: Alarm System Design and Applications.
- Project 12: Waveforms Generator Design.
- Project 13: Digital Voltmeter Design.
- Project 14: Fuzzy Logic Based Security System Design.
- Project 15: Data Acquisition System Design.
- Project 16: Design and Implementation of an Office Monitoring System.
- Project 17: Microcontroller-Based Real-Time Algorithm Implementation.
- Project 18: FPGA-Based Embedded System Design.
- Project 19: Design and Implementation of a Programmable Cashier Unit.
- Project 20: Design and Implementation of an Elevator Controller.