Philadelphia University
Faculty of Engineering

Embedded Systems Design (630470)
Summer Semester 2011-2012 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: Wireless Sensor Networks Design and Implementation.

Project 11: Alarm System Design and Applications.

Project 12: Waveforms Generator Design.

Project 13: Digital Voltmeter Design.

Project 14: Design and Implementation of a Programmable Casher Unit.

Project 15: Data Acquisition System Design.

Project 16: Design and Implementation of an Office Monitoring System.

Project 17: Design and Implementation of an Elevator Controller.

Project 18: FPGA-Based Embedded System Design.

Instructor: Prof. Kasim Alaubidy