Lab List for ICE-3108

1. Write a program to make a LED flasher using PIC microcontroller.
2. Write a program to count 0 to 9 in 7 segment display using 1 second delay.
3. Write a program to interface single digit 7 segment LED display with push button.
4. Write a program to control a high voltage load using mechanical relay.
5. Write and simulate a program to display 3 digit number using 7 segment multiplexing technique.
6. Write and simulate a program to implement Analog to Digital Conversion (ADC) feature of PIC microcontroller.
7. Write a mikroC program to control DC Motor speed using CCP Module of PIC microcontroller.
8. Write a program to scroll a line of text from left to right and then right to left using PIC microcontroller.
9. Write and simulate a program to take sensor input from LM35 temperature sensor and display corresponding sensor value through LCD display.
10. Write a program to control Servo Motor using PIC microcontroller.
11. Write a program to control Stepper motor using PIC microcontroller.
12. Write a program to display any character through dot matrix display.

Lab Report Submission Format for Each Lab:

*** Top Page

1. No. of the experiment
2. Name of the experiment
3. Objectives
4. Theory (Hand written format)
5. Apparatus Required: Hardware, Software
6. Circuit Diagram: (Screenshot or pencil/pen sketch)
7. Program/ Source code: (Hand written or Computer compose format)
8. Result and Discussion.
9. Precautions.