Embedded Systems Lab

Assignment 6

- 1. Create an Arduino program for keypad with 8 wire connection. Take the input from keypad for the angle of servo rotation.
- 2. Create an Arduino program keypad with 1 wire connection. Take the input from the keypad and print it on the serial monitor.
- 3. Create an Arduino program for lcd and temperature sensor. If the temperature of surrounding is greater than 40 degrees, the LCD should print rolling information "<temp. value> -Very High" from right to left. If less than 40 degrees, it should display "<temp. value> -Moderate to Low" scrolling from left to right. (Example:- 38° Moderate to Low)
- - a. On selection of A, surrounding temperature must be displayed.
 - b. On selection of B, surrounding light intensity must be displayed.
 - c. On selection of C, gas intensity in surrounding environment must be displayed.