Mid Term Project

CISC 071

By

<Your Name>

Date: <mm/dd/yyyy>

Purpose

* To submit your Mid Term Project (40 Points)
* Use the skills you learnt to build a project

Rubric

* Correctness: 10 Points. Project should work as you have defined it
* Complexity: 10 Points. Use at least :: 2 sensors, 1 resistor, 1 capacitor, 1 actuator (Speaker, Motor), and 2 LEDs
* Creativity: 10 Points. Project has some new idea (10) or is it a copy (0)
* Code: 10 Points. The program has to be cleanly written with clear comments and descriptions of various steps. The code should have a for loop; if statement and print statement.

Project Description

Describe in detail what your project is supposed to do.

Example:

This project will turn the lights on and off in a room based on how dark it is outside.

When …..

Components

Put a list of components you use in the table below

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Index # | Description | Part Number | Value | Count | Comments |
| 1 | Temperature Sensor | TMP36 | N/A | 1 | To sense room temperature |
| 2 | Resistor | N/A | 220 Ohm | 3 |  |
|  |  |  |  |  |  |

Circuit

Put your circuit diagram here

You can draw, scan and import a picture here.

Or you can use circuits.io to print an image of your circuit.

Or you can use fritzing.org to draw your circuit.

Project

As a minimum make a picture of your project and paste it here.

If you want to make a video of your project in action then you can upload it to youTube and put a link here.

Program Code

///////////////////////////////////////////

// Program Name: <Put name here>

// Program Version: 1.0

// Author: <Put your name here>

// Date: <Put date here>

// Inputs to Program: <List any inputs>

// Outputs from Program: <List any outputs>

//////////////////////////////////////////

Void setup() {

}

Void loop() {

}

Program Input/Output From Serial Monitor

Example

potVal : 1023, angle : 179

potVal : 1023, angle : 179