

CpE301 - Design Assignment 6

DUE: See Website

Design Assignment 6

The goal of the assignment is to develop the above code to do the following:

1. Interface the provided MAX4409 Lux Sensor to the ATmega328p using the I2C interface. Using the earlier developed code for UART, display the Lux value to the UART Terminal.

Submission:

The following are required for successful completion of the design assignment:

- a. AVR C code that has been compiled and working.
- b. The C code should be well documented with explanation of every instruction.
- c. A word document that contains the flow chart of the assembly code along with the snapshots of the schematics, components connected on the breadboard and screenshots.
- d. Specify your assignment partner's name on the submission doc.

Points:

Task 1: 100%. (Code=60%, Documentation=20%, Verification/Snapshots=20%)

Evaluation Rubrics:

See class website for the DA evaluation rubrics.