

CMPE242  
Homework  
I2C LSM303 Sensor Interface to the NANO Target Board  
HL

1. Add I2C LSM303 sensor to the prototype system (with a carrier board);
2. Draw schematics of I2C LSM303 interface circuit to the target board;
3. Run command line instructions to
  - a. show the sensor I2C address;
  - b. perform sensor init and config;
  - c. read data from the sensor;
  - d. write a stand alone python code and to repeat the task from 3b to 3c.
4. Take a screen capture of your work from 3a to 3d.
5. Create a readme file to describe 3 (how to run your code for each task) into one PDF file (source code if any should be a separate file), then zip it. Use the following file naming convention: `firstName_lastName_SID(last-4-digits)_hw_I2C_LSM303.pdf`. Submit it to the class canvas.

(END)