**ESE-3014 Lab 3**

**Interfacing communication - I2C**

# **Task**

1. Set up and achieve I2C interfacing communication for BBB as master and

ADXL345 Accelerometer as slave.

Get the output like the Video: [Beaglebone: An I2C Tutorial - Interfacing to a BMA180 Accelerometer - YouTube](https://www.youtube.com/watch?v=8C2zk6B-eLU)

(You do not have to show me the GUI, just show me the change of the value of

x, y, and z axis when you rotate the ADXL345 Accelerometer).

And here is the I2C Pin configuration video if you need [BeagleBone Black I2C Pin Configuration - YouTube](https://www.youtube.com/watch?v=vrh0H4Uct2Y)

2. Please record each step in your lab report.

3. For the final output, you should show me different values with different

angular position for your ADXL345 Accelerometer.