**EE390 Lab 5**

**Subject**: I2C Interfacing & relative humidity measurement

**Description:** Configure the I2C2 module properly (setting the frequency of I2C to either 48-MHz or 80 MHz). Use the interrupt-driven approach to access the I2C peripherals on the STM32L475 Discovery IoT kit (B-L475E-IOT01A). Use the **HTS221 sensor** to measure the relative humidity and temperature.

Write a program to measure the relative humidity and temperature once every second (use one-shot measurement) and display the measurement in the terminal window (use **tera term)**:

Humidity: xx.y % Temperature: ww.z oC

**Due:** 03/22/2023 (demo)