**Mid-Term Exam Discussion**

**Final Project Definition**

ST Micro B-L475E-IOT01A development board peripherals:

* STM32L475 MCU – 80MHz Cortex-M4 core, FPU, MPU, 1MB flash, 128KB RAM
* WiFi – 802.11 b/g/n
* Bluetooth Low Energy (BLE) – V4.1
* Temperature and relative humidity sensor
* Barometric pressure sensor
* 3D magnetometer
* 3D accelerometer + 3D gyroscope
* ToF (time-of-flight) sensor
* Green LED
* Pushbutton
* Potential feature via an Arduino-compatible shield – Graphical LCD
* Serial flash – 64Mb (8MB)
* Sub-GHz RF – 915MHz ISM band
* Near Field Communications (NFC) Tag – ISO/IEC 14443 Type A and NFC Forum Type 4
* Digital microphones (2)

**Class Notes**