**Microprocessor Systems Design**

**EEE42101**

**Experiment 4: Analog Digital Conversion ADC**

# Objectives:

* Get experience with analog digital conversion peripheral.
* Apply analog processing in thermistors.
* Measure temperature.
* Acquire knowledge about microcontrollers debugging.
* Display the information handled in the microcontroller unit

# Tools:

1. PC
2. Arduino Nano board
3. Testing board
4. MiniB-USB cable

# Components:

1. NTC thermistor
2. 10KΩ resistor.

Note: all material and sources of this course will be available on:

<https://github.com/ashrafmalraheem/Microprocessor_Course>

Feel free to download, study and modify for your own projects.

# Analog to digital converter: