**IOT Workshop Materials**

**Follow all the steps, these are the pre-requisites for the workshop:**

1. **Micro Controllers and Arduino boards: GOOGLE**
2. **Programming Language C in 1h :**[**Click Here**](https://www.youtube.com/watch?v=N349SLNdTwg)
3. **Programming Language C++ 1h :**[**Click Here**](https://www.youtube.com/watch?v=Rub-JsjMhWY)
4. **Learning python in 12 mins :**[**Click Here**](https://www.youtube.com/watch?v=_V_jUe5pMLM)
5. **Install Python 2 or 3 :**[**Click Here**](https://www.python.org/downloads/windows/)**and Follow Instructions :**[**Click Here**](https://www.howtogeek.com/197947/how-to-install-python-on-windows/)
6. **About ESP8266 :**[**Click Here**](https://tttapa.github.io/ESP8266/Chap01%20-%20ESP8266.html)
7. **Motor Driver Basic :**[**Click Here**](https://howtomechatronics.com/tutorials/arduino/arduino-dc-motor-control-tutorial-l298n-pwm-h-bridge/)
8. **Arduino IDE for Linux UBUNTU users : Open terminal and type   
             sudo apt-get install arduinoFor Windows users :**[**Click Here**](https://www.arduino.cc/download_handler.php)**and then install the software.**
9. **Go to arduino preferences and add the following line in the additional board url:**   
    <http://arduino.esp8266.com/stable/package_esp8266com_index.json>
10. **Linux (UBUNTU or MINT) is preferred as operating system. Windows 7 PC is quite fine.** *For windows 8/8.1/10 PC:Click start and type : cmdRun it as Administrator and type (Press enter after each line) :*

**bcdedit.exe -set loadoptions DDISABLE\_INTEGRITY\_CHECKS**

**bcdedit.exe -set TESTSIGNING ON**

1. **Learn a bit About JSON from:**[**Here**](https://www.json.org/)
2. **Bring up with:**
   1. **Paper and pens**
   2. **Fresh Brain**