**List of Practicals**

1. Arduino / Raspberry Pi/ **Node MCU ESP8266** basic handling, programming
2. Sensor interface to Node MCU/Arduino / Raspberry Pi
3. Actuator interface to Node MCU /Arduino / Raspberry Pi
4. Node MCU /Arduino / Raspberry Pi wireless communication
5. Node MCU/Arduino / Raspberry Pi Cloud interfacing and programming like Thingspeak
6. Sensor data acquisition on Mobile (Mobile APP) / Developing Application (WEB APP) with Django