**Hardware Required**

**Parts Needed**

* **Node Mcu WIFI Internet of Things development board based on ESP8266-- 1 ( MCU and WIFI capability)**
* **LDR -- 1**
* **2 channel relay module with opto isolation supports high and low trigger 5V--- 1**
* **12V1A \ 5V1A fully isolated switching power supply / AC-DC modules / 220V switch 12v 5v -- 1**
* **Generic PCB with bus lines / Bread Board ---- 1**
* **Soldering KIT**
* **Resistors 220 ohms --- A few**
* **Insulation TAPE -- 1**
* **Mini USB for loading and testing -- 1**
* **Wires for Connections**