

FLOW CHART

Starting with this project, first of all we flash the memory of the Wi-Fi module (ESP8266) to avoid any garbage values in our readings, then moving on to the next step we use some AT Commands to set the module in the Wi-Fi mode and search for the available access points and then connect to any of them. If the module gets connected, it is well and good otherwise go back to the basic AT Commands then retry to connect which connects our microcontroller to the Wi-Fi. Then the next step is for taking inputs from the respective sensors in the microcontroller, now after obtaining values from the sensors, we need to convert the 5 volt logic of Arduino to the 3.3 volt logic as the Wi-Fi module works in 3.3 volt logic, after doing that use the channel API key to transmit the data/ input from the sensor to the channel and display them graphically on the space provided by the channel and for more understanding the whole process has been depicted in the form of flowchart given below .



