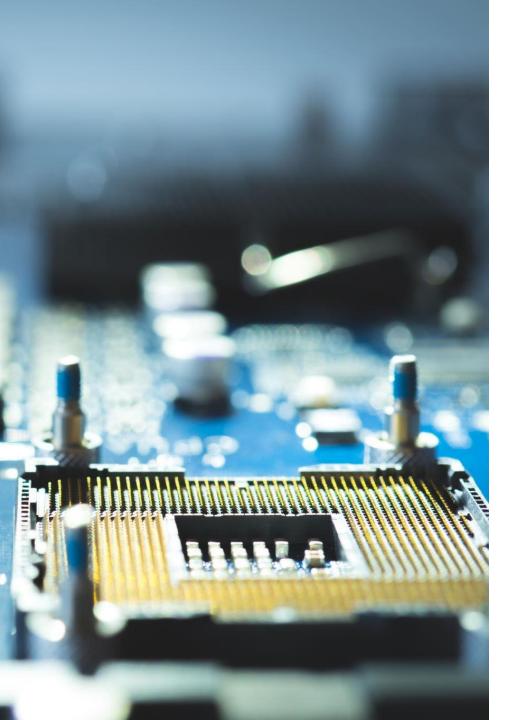
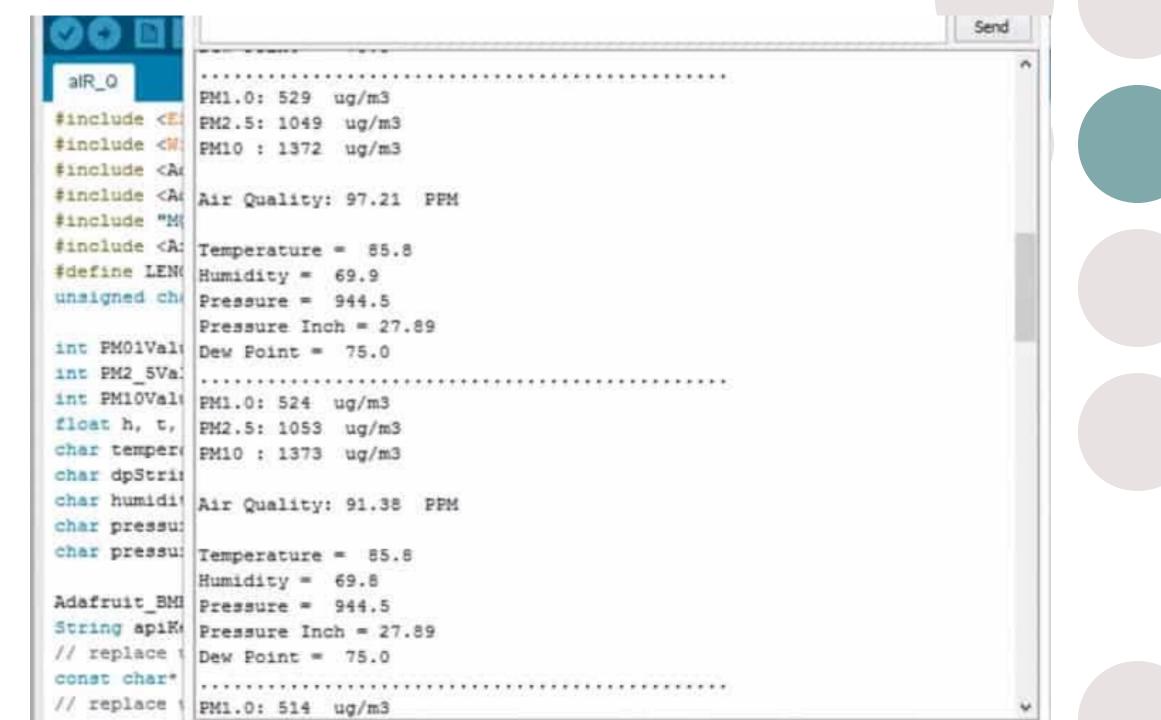


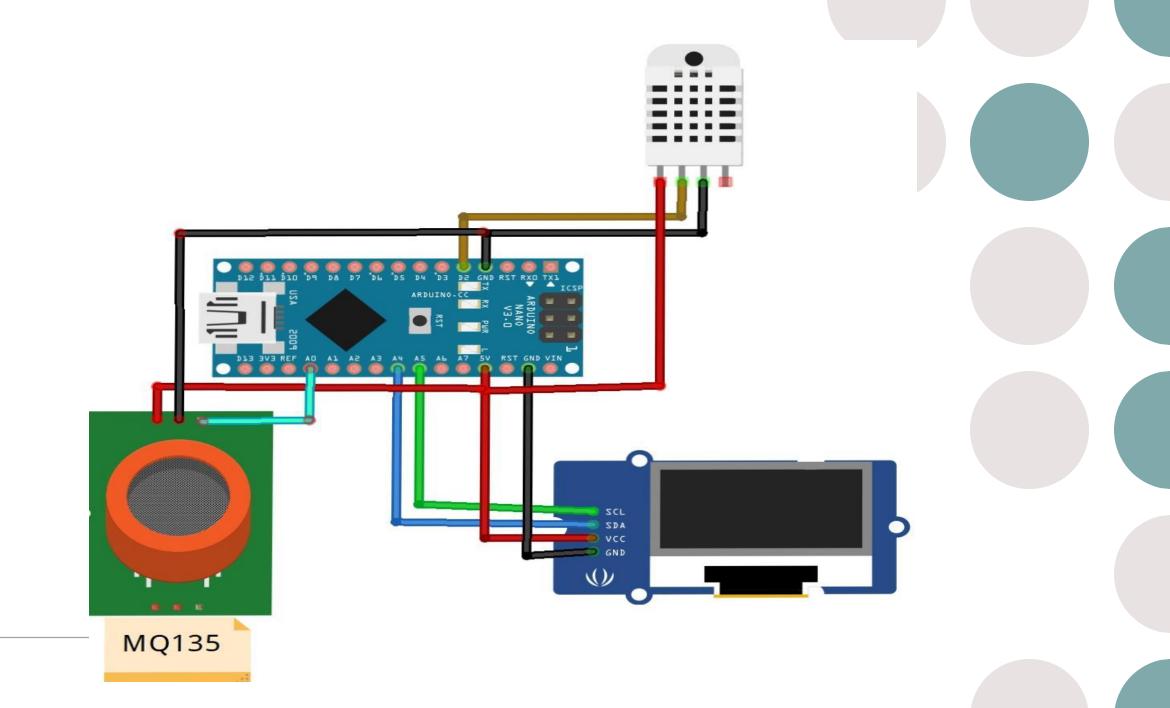
Development phase of environmental monitoring of parks



Working of Arduino for air pollution

- First of all we will connect the ESP8266 with the Arduino.
- ESP8266 runs on 3.3V and if you will give it 5V from the Arduino then it won't work properly and it may get damage.
- Connect the VCC and the CH_PD to the 3.3V pin of Arduino. The RX pin of ESP8266 works on 3.3V and it will not communicate with the Arduino when we will connect it directly to the Arduino.
- So, we will have to make a voltage divider for it which will convert the 5V into 3.3V. This can be done by connecting three resistors in series like we did in the circuit.
- Connect the TX pin of the ESP8266 to the pin 10 of the Arduino and the RX pin of the esp8266 to the pin 9 of Arduino through the resistors.







Pollution sensor for arduino

- The MQ135 sensor can sense NH3, Nox, alcohol, Benzene, smoke, CO2 and some other gases, so it is perfect gas sensor for our Air Quality Monitoring Project
- . When we will connect it to Arduino then it will sense the gases, and we will get the Pollution level in PPM (parts per million).