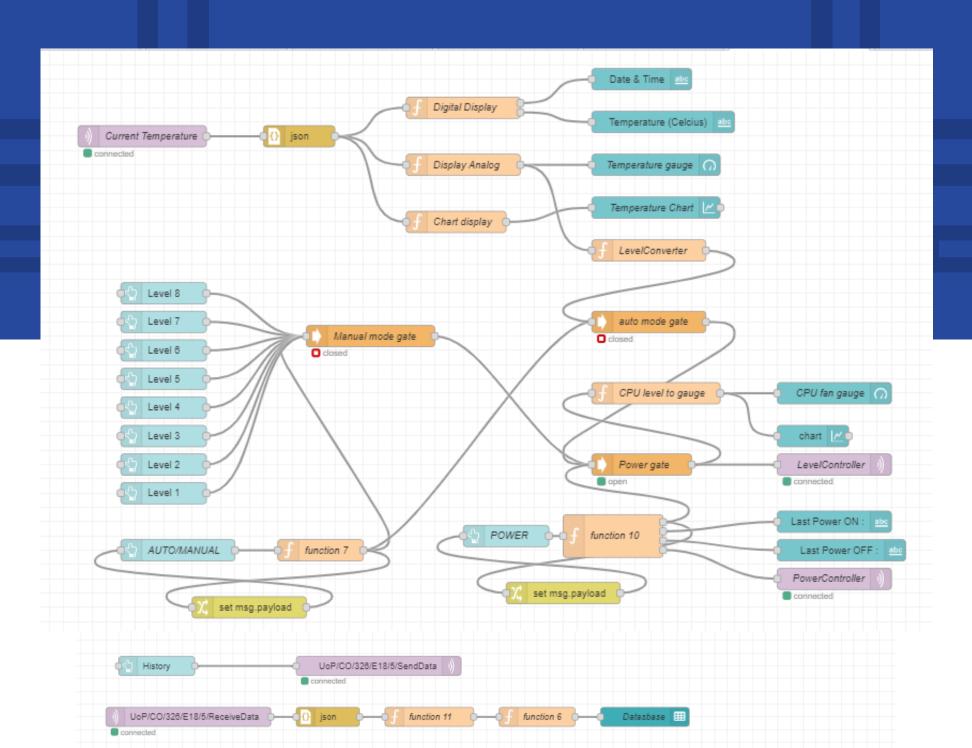
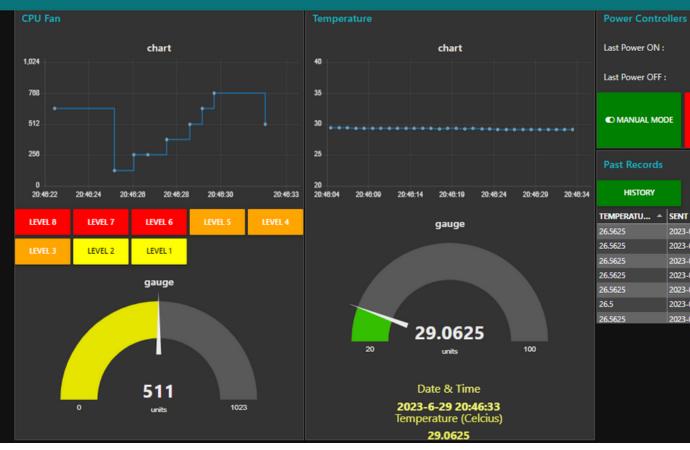
SMART COOLING SYSTEM FOR A MACHINERY ROOM

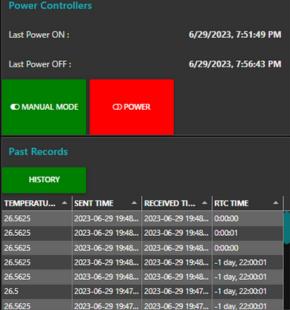
GROUP5

- This is a cooling system which is automatically controlled according to the temperature of a particular room.
- Facilitates manual control of the fan with 8 levels.
- Includes an alert system to notify if the temperature exceeds safe limits.



Dashboard





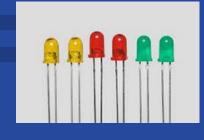
SENSORS & ACTUATORS



DS18B20
TEMPERATURE SENSOR

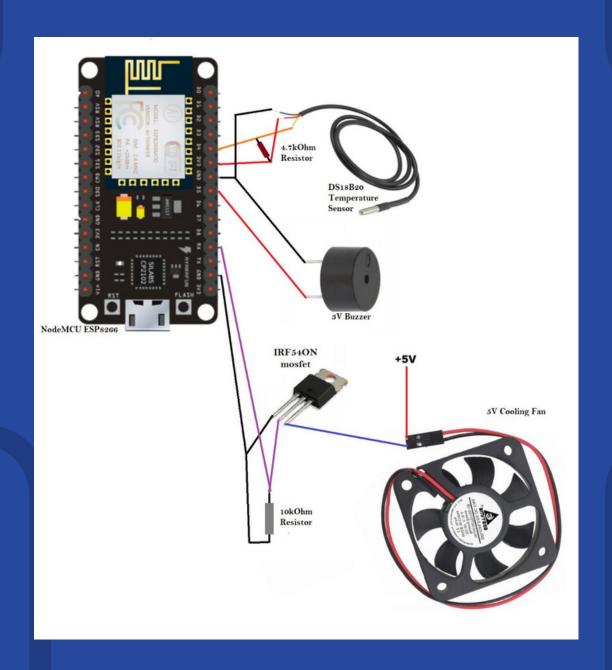


CPU FAN - 5V

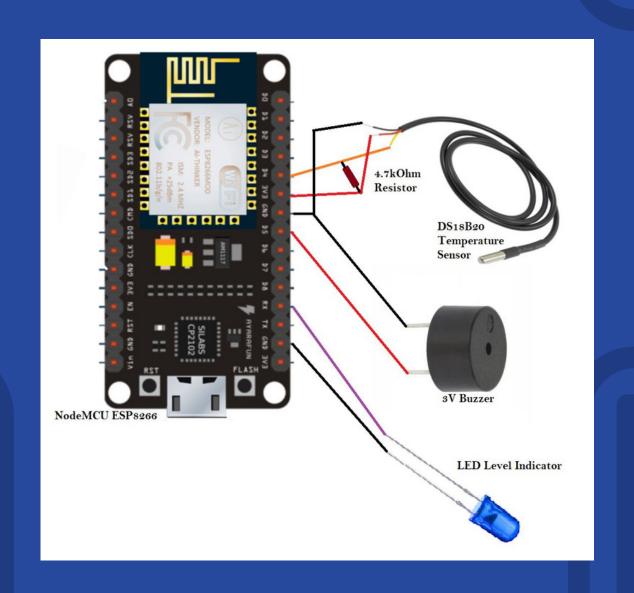


LED

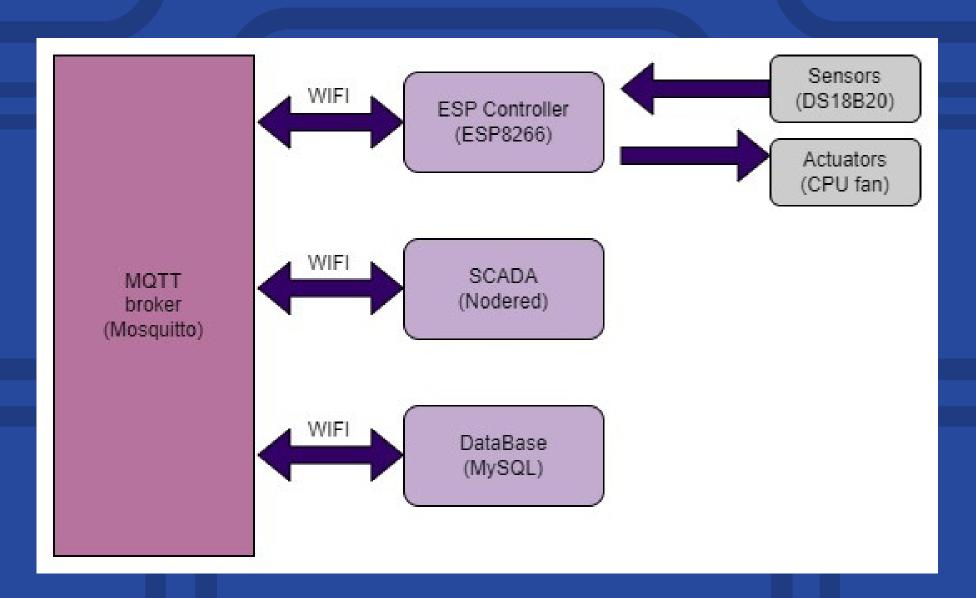
CIRCUIT DIAGRAM



CIRCUIT DIAGRAM (FOR CLEAR DEMONSTRATION)



CONTROL AND COMMUNICATION SYSTEM



DEMONSTRATION

TEAM

```
E/18/354 RUCHIRA THARAKA
E/18/318 PIYUMALI SANDUNIKA
E/18/022 DIDULA INDUWARA
```



GITHUB

https://github.com/cepdnaclk/e18-co326-Smart-Cooling-System-for-a-Machinery-Room-Group5.git

WEBSITE



https://github.com/cepdnaclk/e18-co326-Smart-Cooling-System-for-a-Machinery-Room-Group5.git



THANK YOU!