

## **Health Monitoring System**

This project is a IoT based device which is used for monitoring activity. By using this project, we can fetch data about human body temperature and oxygen level, also we can identify person and from all this data we can conclude human health then data will store on cloud storage. As well as we provide automatic sanitizer dispenser.

### **Platform Required**

IoT

### **Architectural Required**

Node MCU and arduino nano controllers

### **Technology used**

IoT, C and C++ Programming

### **Features provided by Health Monitoring System**

- This Project is useful to predict covid infected person
- This project can identify person's identity
- Then it will measure human body temperature and oxygen level
- On received data it will predict basic human health whether that person is ill or not
- Then it will show respected result using on screen
- And last there is sanitizer dispenser which work automatically.
- For future reference data will be store on firebase cloud storage

### **Technical components used:**

1. Node MCU
2. Arduino nano
3. RFID
4. Ultrasonic Sensor
5. Temperature Sensor
6. Oximeter sensor
7. IR Sensor
8. Relay module
9. Solenoid Valve

10. LCD

11. Buzzer

