

Project Based Synopsis: Group-06

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***Name of the project:** Mr. Wellness- “ Your Health Monitor ”.

***Project Discription:**

In this project, we will make IoT based Health Monitoring System and monitor the health status of the patient on ubidots stem .

***Project Problem Statement:**

The reality of modern medicine is that there are more patients than doctors. With HMS there is no need to process the data manually. The status of patient can be remotely accessed by the doctor at the time of emergency (as in covid pandemic) and can save the lots of time and efforts.

***Key features:**

- We can monitor the Patient body temperature, body oxygen level, pulse rate using esp32 web server.
- We can monitor the room temperature and humidity and display over server.

***Benefits:**

- The health status of patient can be remotely accessed by doctor in pandemic.

- It can be used for self health management in covid pandemic.
- It can be used by doctors in hospitals to save their time and efforts.
- The health monitoring system can be used for chronic diseases management.

***List of Hardware used:**

- Esp 8266 board.
- Max30100/102 Pulse Oximeter sensor.
- LM35 Temperature sensor.
- DHT11 Humidity and Temperature sensor.
- 4.7k resistor.

***List of software used:**

- ESP32 web server to hold the sensor data.

***Deliverables:**

- Submission complete set up of Mr. wellness.
- 1 Ppt file
- 1 Video Tutorial to demonstrate the working of HMS.
- 1 Fritzing circuit diagram .

THANK YOU!