

IOT BASED HEALTH MONITORING SYSTEM FOR FAMILY

Available Systems:

- System uses pulse rate sensor to sense pulse rate and LM35 sensor to sense temperature with Arduino as processing unit.
- ThinkSpeak is cloud system used to analyze the data
- System diagnosis type 1 diabetes using glucose sensor with Arduino as processing unit
- System analyze the blood pressure from the heart rate sensor and this information is transmitted to a web server

Disadvantages:

- Combined system is more reliable
- Individual systems are cost ineffective
- Arduino cannot in cooperate all sensors
- Customer satisfaction is less

Reference:

1. <https://circuitdigest.com/microcontroller-projects/iot-based-patient-monitoring-system-using-esp8266-and-arduino>
2. <https://create.arduino.cc/projecthub/170406/diabetes-diagnosis-and-management-0d5291>
3. https://www.researchgate.net/publication/330884604_Systolic_blood_pressure_measurement_from_heart_rate_using_IoT