



An IOT Based Smart Patient Health Monitoring System using ESP32

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Abstract – Human health is the entire state of being physically, socially and mentally effective because a medical condition. We must always be mindful for our health and remain vigilant if we experience any discomfort. To maintain our health, we should exercise frequently. Stress is the main thing to affect human health and create changes in our body conditions by affecting various parameters like temperature, heart beat and pulse rate. In order to check the health a simple module is developed using ESP8266. ESP8266 is used to monitor all the parameters and a system for monitoring attention on mobile devices is developed that may provide periodical online data about a patient's physiological parameter conditions. It is mainly composed of sensors, an information acquisition unit. Code was used to programme the Arduino. The system will monitors, displays and scores the patient's temperature, heart rate, blood pressure and graph knowledge. It also sends these data to the patient's and doctor's mobile device. Sensible Health Observation System will track and record the health status for the web page. The primary goal of this project is to create a rational and trustworthy Internet of Things patient health observation system so that healthcare providers can keep an eye on their patients.

Index Terms— Patient Smart Healthcare Systems, ESP8266, Cloud Computing Methodology, Implementation with IOT, Artificial Intelligence, Patient health monitoring.

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