

AN IOT BASED PATIENT MONITORING SYSTEM



A PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report "AN IOT BASED PATIENT MONITORING SYSTEM" is the bonafide work of "KANNIKA.C (710419106013)" who carried out the project work under my supervision.

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INTERNAL EXAMINER

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ABSTRACT

Most of the people got suffered by no proper maintenance in hospitals. Here using sensor based concepts to monitor the patient. The purpose of the project to keep track on the patient health. The microcontroller (ESP32) processing the data and sent the data in the IOT app. The sensor is analysed the data and transferred analog to digital convertor to convert into binary data and the processor is programmed in arduino ide software tool to programmed in value analzing. Rapid growth of this period more doctors required to monitor patients health using wearable devices. The system developed will measure a patient's body temperature, pulse rate, stress level monitoring and sent the data to a mobile application using IOT. In this method only few parameter sensor are used to monitor the patient. In case any unwanted changes, happens in patients then immediately pass information to the doctor or a particular person. Temperature sensor used in measure the body heat, GSR sensor used in measure the body electrodes. GSR value is measured by placing electrodes on emotionally sensitive location on the body. Report the associate skin conductance. The skin is the organ of perception.



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CHAPTER VI CONCLUSION & FUTURE SCOPE

CONCLUSION

The Internet of Things is considered now as one of the feasible solutions for any remote value tracking especially in the field of health monitoring. It facilitates that the individual prosperity parameter data is secured inside the cloud, stays in the hospital are reduced for conventional routine examinations and most important that the health can be monitored and disease diagnosed by any doctor at any distance. In this paper, an IoT based health monitoring system was developed. The system monitored body temperature, pulse rate and room humidity and temperature using sensors, which are also displayed on a LCD. These sensor values are then sent to a medical server using \ wireless communication. These data are then received in an authorized personals smart phone with IoT platform. With the values received the doctor then diagnose the disease and the state of health of the patient

FUTURE SCOPE

- Multiple parameters like Blood pressure, retinal size, age and weight can be included as controlling parameters in the future.
- The whole health monitoring system, which we have proposed can be integrated into a small compact unit as small as a cell phone.
- This will helps the patient to easily carry this device with them them wherever they go.

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