**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**BELAGAVI-590018**



**A**

**SEMINAR REPORT**

ON

**“HEALTH MONITORING SYSTEM USING IOT”**

**Submitted By**

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**3GU20EC410**

**Under the Guidance of**

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**GOVERNMENT ENGINEERING COLLEGE**

**YARMARUS CAMP, RAICHUR-584-135**

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**CERTIFICATE**

This is to certify that **SURESH RATHOD (3GU20EC410)** of B.E 8th Semester has successfully completed the Seminar Report entitled **“HEALTH MONITORING SYSTEM USING IOT”** for the partial fulfillment of the bachelor degree in ELECTRONICS AND COMMUNICATION ENGINEERING as prescribed by the Visvesvaraya Technological University, Belagavi, during the year 2022-2023.

**Signature of the Guide Signature of the Co-ordinator Signature of HOD**

**Prof. MADHU Y B Prof. NAHEEDA THARAMMUM B Prof. SARASWATI**

**Examiners:**

**1.**

**2.**

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**SURESH RATHOD**

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**ABSTRACT**

Revolution and rapid improvement of the internet, technology such as the Internet of

Things has emerged and is snowballing. Internet of Things with cloud computing and

edge computing realizes a new and more efficient way of data sharing and transmitting.

The Internet of things will remodel the healthcare sector and improves the health and

wellbeing of humanity (Rahmani et al., 2018).

The traditional healthcare system requires

patients to visit the clinic or hospital for medical checkups which is time-consuming and

inefficient. The Internet of Things is capable of realizing a real-time health monitoring

system that involves sensors to measure heart rate and body temperature of patients and

visualize the data in real-time. By such, people can have better control of their health

condition. Instead of relying on infrequent visits to clinics or hospitals for various tests,

people can access their health data through the internet and start to track their health

conditions.

The Internet of Things that realizes the connection between devices (Tao et

al., 2014) allows activities such as sending an alert email and messages during an

emergency to be possible by making use of open source services such as google assistance

and IFTTT. Besides, the location of the user can be tracked by using geolocation.

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