VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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PROJECT REPORT

On

"IoT-Based Patient Remote Health Monitoring In Ambulance Services"

Submitted by

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In partial fulfilment of the requirements for the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE AND ENGINEERING

Under the Guidance of

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ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

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CERTIFICATE

*Certified that the project work entitled "**IoT-Based Patient Remote Health Monitoring In Ambulance Services**" is a bonafide work carried out by*

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in partial fulfilment for the award of BACHELOR OF ENGINEERING in **INFORMATION SCIENCE AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM** during the year 2017–2018. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

Ambulatory healthcare is a type of remote patient monitoring that allows a medical caretaker to use medical device in the ambulance to perform a routine test and send the test data to a healthcare professional in real-time. Even though there are various methods to observe the health condition of the patient, the necessities of the quick measures to treat the person in case of emergencies are not yet fulfilled. If the person suddenly falls ill and being carried to the hospital, the doctor will get to know the condition or the cause of the illness only after diagnosing the patient which will consume more time. There is a need of monitoring technology in ambulances since in case of emergency lots of time is wasted in carrying patient to the hospital and diagnosing.

To overcome the delay in existing system Online system for remote health parameters of a patient in ambulance is proposed in this project. The experiment is conducted to compare the system values with the values obtained by the standard devices and the results are in good format and the system is efficient.