

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnana Sangama” Belagavi – 590 010**



**PROJECT REPORT ON**

**“DEVELOPMENT OF IOT DEVICE FOR TRAFFIC  
MANAGEMENT SYSTEM OF AMBULANCE”**

Submitted in partial fulfillment of the requirements for the award of degree

**BACHELOR OF ENGINEERING  
IN  
ELECTRONICS & COMMUNICATION ENGINEERING**

**Submitted By**

<b>Name</b>	<b>USN</b>
<b>SANDESH S R</b>	<b>4AL12EC068</b>
<b>YADHUKRISHNAN P V</b>	<b>4AL12EC092</b>
<b>NAVNEET BHARGAVAN NAMBIAR</b>	<b>4AL13EC046</b>
<b>MEGHANA RAVIKUMAR</b>	<b>4AL14EC053</b>

**Under the Guidance of  
Mrs.Vijetha T S**

**Assistant Professor**

**Department of E&C Engineering**



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

**MOODBIDRI – 574 225.**

**2017-2018**

# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOODBIDRI – 574 225

(Affiliated to VTU, BELAGAVI)

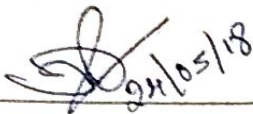
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

## CERTIFICATE

Certified that the project work entitled “**DEVELOPMENT OF IOT DEVICE FOR TRAFFIC MANAGEMENT SYSTEM OF AMBULANCE**” is a bonafide work carried out by

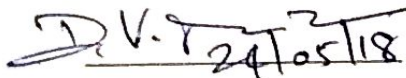
SANDESH	4AL12EC068
YADHUKRISHNAN P V	4AL12EC092
NAVNEET BHARGAVAN NAMBIAR	4AL13EC046
MEGHANA RAVIKUMAR	4AL14EC053

in partial fulfillment for the award of **BACHELOR** of **ENGINEERING** in **ELECTRONICS & COMMUNICATION ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** 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.

  
\_\_\_\_\_

Signature of the Guide

Mrs. Vijetha T S

  
\_\_\_\_\_

Signature of the H.O.D

Dr. D V Manjunatha  
H.O.D  
Dept. Of Electronics & Communication  
Alva's Institute of Engg & Technology,  
Moor, MOODBIDRI - 574 225  
EXTERNAL VIVA

  
\_\_\_\_\_

Signature of the Principal  
PRINCIPAL

Dr. Peter Fernandes  
Alva's Institute of Engg. & Technology,  
Moor, MOODBIDRI - 574 225, D.K.

Name of the Examiners

Signature with date

1.....

.....

2.....

.....

## **ABSTRACT**

Traffic jams have become the most common problems all over the world. Increase in the number of vehicles on the road has made the life of individuals very difficult. In a day to day basic it becomes a tough task for an individual to get to places on time. As the case is the number of health issues have also increased in recent days and traffic congestion has become a trivial thing for the patients. A lot of patients do not reach the hospitals on time due to which it cases a lot of grievances by reducing the pace at which the treatment could be provided to the patients, and therefore could lead to large number of untimely deaths.

The system proposed here reduces the chances of ambulances be stuck in traffic congestions by altering the traffic lights depending on the movement of ambulance by verifying the RFID present in them, thereby providing a traffic free passage to the vehicle to pass through. A lot of patients do not reach the hospitals on time due to which it cases a lot of grievances by reducing the pace at which the treatment could be provided to the patients, and therefore could lead to large number of untimely deaths.