

VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
"JNANA SANGAMA", BELGAVI-590018 KARNATAKA



Mini Project Report (BEECOMP6B)

ON

**"AUTOMATION GATE CONTROL IN RAILWAYS"**

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by:

MEGHANA R (USN: ISV19EC017)

SUPRIYA N (USN: ISV19EC029)

Under the Guidance of:

Dr. J. M. SIVA G. R.

Associate Professor

Dept. of E.C.E., SIET, Tumkur



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Recognized by govt. of Karnataka, Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)

Sira Road, Tumkur-572106

2021-2022

*[Handwritten Signature]*  
In-charge  
Dept of E&C  
SIET, Tumkur-6.

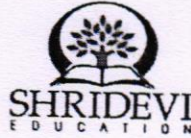
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PRINCIPAL  
SIET, TUMAKURU.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

## Certificate

This is to Certified that the mini project work (18ECMP68) entitled "AUTOMATIOM GATE CONTROL IN RAILWAYS" has been Successfully carried out by MEGHANA R(USN: 1SV19EC017) ,SUPRIYA N (USN: 1SV19EC029), a bonafide students of Shridevi Institute of Engineering and Technology, Tumkur- 572106, in partial fulfillment for the award of Bachelor Of Engineering in Electronics & Communication Engineering of the Vishvesvaraya Technological University, Jnana Sangama, Belagavi -590018, during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessments have been incorporated in the report. The mini project report has been approved as it satisfies the academic requirement with respect to the mini project work prescribed for the said Bachelor Of Engineering degree.

*Dr. Umesha G B*  
Signature of the guide 26/07/22

*Aijaz*  
Signature of the HOD 26/07/22

*Narendra*  
Signature of the principal

**Dr. Umesha G B**  
Associate professor  
Dept. of ECE., SIET  
Tumakuru

**Mr. Aijaz Ahamed Sharief**  
HOD  
Dept. of ECE., SIET  
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**Dr. Narendra Viswanath**  
Principal  
SIET, Tumakuru

### EXTERNAL VIVA

Name of examiners:

- 1...*Paghavendra D*
- 2...*Dr. Praadeep K.G.M*

Signature with date:

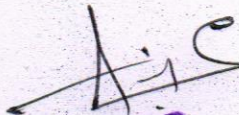
*Paghavendra D*  
..... 28/07/2022  
*Praadeep K.G.M*  
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..... 28/07/2022

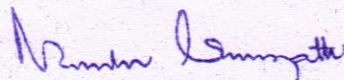
*Narendra Viswanath*

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## ABSTRACT

From this project we'll know how to implement the automation in railway gate control using Arduino. Application of this project is the direct implementation in real world. Some components will be required more but the main working principle will be same. Now, other alerting systems can also be developed by using Arduino. The main aim of this project is to reduce train accidents at railway level crossings to the minimum.

  
HOD  
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