

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnana Sangama” Belagavi – 590 018**



**A PROJECT REPORT ON**  
**“AUTOMATIC FINE COLLECTOR FOR**  
**OVERSPEEDING”**

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

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

**Submitted By**

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**Under the Guidance of**  
**Mrs. Bhagyashree K**  
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**A+, Accredited by NAAC & NBA (ECE & CSE)**  
**MOODBIDRI – 574 225.**  
**2022-2023**

# 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 "AUTOMATIC FINE COLLECTOR FOR OVERSPEEDING" is a bona fide work carried out by*

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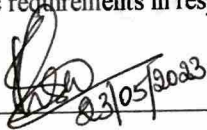
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in partial fulfillment for the award of **BACHELOR OF ENGINEERING** in **ELECTRONICS & COMMUNICATION ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2022–2023. It is certified that all corrections/suggestions 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. Bhagyashree K**



**Signature of the H.O.D**

**Dr. Siddesh G K**  
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### EXTERNAL VIVA

**Name of the Examiners**

1. Dr. Siddesh G K
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**Signature with date**

Siddesh 26/5/23  
Dapa 26/5/23

## **ABSTRACT**

The Automatic Fine Collector for Overspeeding is a system designed to automatically detect and penalize drivers who exceed the speed limit. The system uses advanced technology such as speed sensors, cameras, and software algorithms to monitor vehicles and capture the license plate information of any driver found to be exceeding the speed limit. The collected data is then processed, and the corresponding fine is automatically issued to the driver. This system aims to reduce accidents caused by speeding and promote road safety. It also provides a more efficient and accurate way of collecting fines for traffic violations, saving time and resources for law enforcement agencies.

The system can be integrated with existing traffic management systems and can be customized to meet the specific needs of a particular location or region. For instance, the system can be set to trigger an alert when a vehicle exceeds a predefined speed limit, and it can also be configured to adjust the speed limit based on specific road conditions, such as weather or time of day.

The Automatic Fine Collector for Overspeeding system can also be used to monitor the performance of individual drivers over time. The system can keep track of driver behavior, such as speeding, and generate reports that can be used to identify areas where more education or enforcement may be necessary.

One of the benefits of this system is that it can help reduce the number of accidents caused by speeding, which is one of the most common causes of road accidents. By enforcing speed limits, the system can make roads safer for everyone, including drivers, passengers, pedestrians, and cyclists.