

VEHICLE SPEED MONITORING SYSTEM THROUGH EMBEDDED SYSTEM

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Engineering degree in Electronics and Communication Engineering.

by

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SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING

**SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY**

(DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" by NAAC I12 B Status by UGC Approved by AICTE

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BONAFIDE CERTIFICATE

This is to certify that this Final year Project Report is the bonafide work of **V. ISABEL AKSHAYA (39130172)** as an individual who carried out the project entitled "**Vehicle Speed Monitoring System through Embedded System**" under my supervision from Jan 2023 to April 2023.

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ABSTRACT

With the number of vehicles increasing day by day monitor report equally increasing traffic violation of speed limits, the numbers of accidents that are caused because of the speeding have increase data nex ponential rate. There are existing law enforcements that do condemn these activities, but the human nature tends to break those. With an autonomousandautomatedsystemtoregulatetheSpeedcontrolbytakingtheadvantageofadvancements in technologies available can help to bring down the violations of law and there by bringing the law enforcements at a stricter fashion. Automatic Speed Surveillance and Vehicle Alerting System Using Internet of Things (IoT) make site asy for the Law enforcers to make the riders to follow the rules in a more permissive way without affecting the flow of traffic and the ride. Connected with Radio Frequency Identification and Wi-Fi witha Controller, the system, when implemented can bring down the speeding problem, with thecontrols lying on human hand for more accurate and real-time traffic monitoring, thereby not affecting the flow of traffic too. An Indigenous surveillance and alerting system autonomously files there ports when the limits are crossed ,making the process of penalizing more sophisticated, thereby exploiting the full potential lof the system.

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