

A Major Project Report on

VEHICLE THEFT DETECTION WITH RASH DRIVING

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

to partial fulfilment of the requirement for

the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

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2022-2023



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CERTIFICATE

This is to certify that the major project entitled “VEHICLE THEFT DETECTION WITH RASH DRIVING” is submitted to JNTUH is carried out by the following students of IV B. Tech in the partial fulfilment for the award of the B. Tech degree in **Electronics and Communication Engineering** during the academic year 2022-2023.

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ABSTRACT

In today's world, road accidents exterminate many people than any other serious health diseases or any type of epidemic. This has created a catastrophic situation for every individual to drive safely and carefully. Thus, our project mainly focuses on reducing accidents caused by collision with other vehicle or by rash driving and drunken driving. The vehicles by using sensors, GPS, GSM and all these devices are controlled by using Arduino UNO. This project also provided an equal opportunity to provide security to the vehicle using pattern-based authentication and ignition system. Aiming at high frequency accidents by the drunken driving, the project puts forward an automatic ignition off control system for vehicle drunken driving to prevent the occurrence. Through our proposed system the advanced security level of pattern based digital ignition system can be used to reduce the risk of theft occurring due to opportunistic theft. This method can be installed to prevent theft possible due to redundant keys. MEMS can be used as supplement which provides better accuracy in calculating the accurate frequency level, angle of inclination, tilt, and threshold level can be optimized to cut off the ignition system.



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