A

Project Report

On

**TRAFFIC ROAD ACCIDENT ANALYSIS
USING MACHINE LEARNING**
Submitted to

Department of
Computer Science and Engineering

By

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project entitled **"TRAFFIC ROAD ACCIDENT ANALYSIS USING MACHINE LEARNING"** is submitted by SIRIPURAM NAVYA(206Y1A0591), GUDIMALLA PRAVALIKA(216Y5A0505), SHREYA CHEETI(206Y1A0590) and MOSAM DEEPTHI(206Y1A0563) to the department of Computer Science and Engineering during academic year 2022-23.

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ABSTRACT

The advent of modern human computer interfaces has seen a considerable progress in Hands-free Human Computer Interaction solutions. This project focuses on developing a methodology to facilitate computer cursor control for people with physical disabilities such as Quadriplegics and amputees. It uses CNN (Convolutional Neural Network) algorithm and HAAR cascade algorithm. Physically disabled people are an important part of our society who has not yet received the same opportunities of inclusion as others in the Society. Therefore, it is necessary to develop easily accessible systems to achieve their inclusion within the new technologies. The interaction between a user and a machine is performed by the algorithm, enables physically disabled individuals to control the computer cursor movement to the left, right, up and down with the help of facial movements. The algorithm also enables the person to open and close.

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