A

Project Report

On

AUTOMATIC DOOR OPENING SYSTEM BY MONITORING THE BODY TEMPERATURE

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 "**AUTOMATIC DOOR OPENING SYSTEM BY MONITORING THE BODY TEMPERATURE**" is submitted by SALENDRA SRAVYA(206Y1A0587), SANIYA SALWA(206Y1A0589), THALLAPALLY SRIVANI(206Y1A0597) and ARRABELLY PRATHIMA(206Y1A05A6) to the department of Computer Science and Engineering during academic year 2022-23.

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ABSTRACT

This project is titled "Traffic Road Accident Analysis". Since they result in numerous casualties, injuries, and fatalities each year, as well as significant economic losses. There are many factors that are responsible for causing road accidents. If these factors can be better understood and predicted, it might be possible to make measures to mitigate the damages and severity. There are many inventories in automobile, but traffic accidents are unavoidable. There are huge number of accidents prevailing in all urban and rural areas. Patterns involved with different circumstances can be detected by developing an accurate prediction model which will be capable of automatic separation of automatic separation of various accidental scenarios. There cluster will be useful to prevent accidents and develop safety measures. Various machine learning approaches are used to create these models. Supervised machine learning methods such as decision trees (DT), random forest (RF), logistic regression (LR) are used. We believe to acquire maximum possibilities of accident reduction using low budget resources by using some scientific measures in addition, this study also proposes a predictive model for future road accidents based on past data.

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