A

Project Report

On

IOT KIT FOR VEHICLE CONTROL

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 "**IOT KIT FOR VEHICLE CONTROL**" is submitted by SRIRAM SHIVANI(206Y1A0593), SAINI SUMANJALI(206Y1A0586), BALASANI SIRI CHAITANYA(216Y5A0502) and BOLLEDLA ALEKHYA(216Y5A0503) to the department of Computer Science and Engineering during academic year 2022-23.

Dr.E.SUDARSHAN
Project Guide

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ABSTRACT

Twitter is an active communication channel for the spreading of updated information in emergency and disaster situation. But several lakhs of tweets are made during the disaster and finding the situational tweets is quite challenging and difficult for government organizations and related authorities. These situational based tweets help us understand the situation better in real time and act according to the requirement of the effected ones due to disaster or an emergency situation. Situational tweets can be defined as information present in those tweets that allow high-level concerned authorities to understand the situation better during a disaster and non-situational tweets are those which are completely irrelevant to the context. In this project we are extracting the situational tweets from the disaster datasets which contains tweets in form of textual information. In this project, we are implementing a neural network-based approach using the combination of RoBERT, a model along with feature-based methods for identifying situational tweets during the situation. Several datasets are used for training the model and tested the performance by various metrics such as accuracy, precision, recall and f1-score. We will compare our model performance with other state of art models.

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