AUTOMATIC CHALLAN GENERATION

A Industrial/Practical Training project report

Submitted to the Faculty of Engineering of
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA, KAKINADA

In partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY
In
COMPUTER SCIENCE AND ENGINEERING

By

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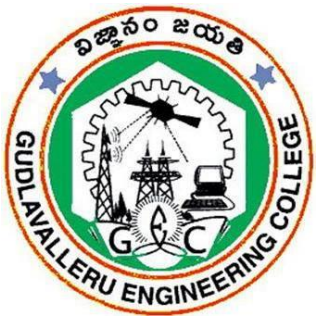

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GUDLAVALLERUENGINEERINGCOLLEGE
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)
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2019-2020

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DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Industrial / Practical Training project Report entitled "**AUTOMATIC CHALLAN GENERATION"** is a bonafide record of work carried out by **D. PHANI DEEP, CH. GUNA RAMYA, M.KRISHNAVENI and B.DIVYA** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering of Jawaharlal Nehru Technological University Kakinada**, **Kakinada** during the academic year 2019-2020.

SK.SALMA BEGUM

(Industrial/Practical Training Coordinator)

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INTERNSHIP REPORT APPROVAL FORM

May 24, 2019

With immense pleasure, this is to approve that the students of Gudlavalleru Engineering College i.e,

Phani Deep Divvela(16481A0544),
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successfully completed their Project and Project Report on **"Crime Rate Prediction"** under our guidance.
We are highly impressed with the work that they have done and commend them on their quick grasping skills. They have shown good intent to learn and have put the knowledge gained into application in the from of this project. We appreciate the hard work and commitment shown by them.
We, hereby approve that this document is completely checked and accepted by SmartBridge Technical Team. Its been an absolute pleasure to educate and mentor these students. We hope that this document will also serve as a Letter of Recommendation, to whomsover applied.

We wish them success in all future endeavors and a great career ahead.

Akshay kumar Kothuri
AI and IOT Developer

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of people who made it possible and whose constant guidance and encouragements crown all the efforts with success.

We feel elated to express our floral gratitude and sincere thanks to **Dr.S.Narayana**, Head of the Department, Computer Science and Engineering for his encouragements all the way during analysis of the project. His annotations, insinuations and criticisms are the key behind the successful completion of the project work.

We would like to take this opportunity to thank our beloved principal **Dr.P.Ravindra Babu** for providing a great support for us in completing our project and giving us the opportunity for doing project.

We would like to take this opportunity to thank Smart Bridge Educational Services PVT Ltd. for providing this training program and support for us in completing our project.

Our Special thanks to the faculty of our department and programmers of our computer lab. Finally, we thank our family members, non-teaching staff, attendants and our friends, who had directly or indirectly helped and supported us in completing our project in time.

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ABSTRACT

Most of cities and small regions the traffic Challan generation system is manual process. Automatic Challan Generation for traffic violation is a Deep Learning(CNN) based project that will automatically detect the violating vehicles and accurately punish them. This project is designed to reduce the work of traffic police officers so that they can focus on other violations like illegal parking, driving on the wrong side and drunk driving. This project will work in order to reduce the violations and make the city a better and a safe place for pedestrians and vehicles. The need for automation comes from the growing number of vehicles on the road every day. It has become an impossible task for traffic police officers to watch and control every road and every vehicle. It is up to the human beings to maintain discipline but in a densely populated country like India patience runs thin and forces the people to break the law.

In this Automatic Challan Generation, the methodology what we follow is at first we are going to train the model by giving some images which contain pictures of the persons who are wearing helmet and not wearing helmet. This Automatic Challan Generation model predicts whether a person going on road has kept the helmet or not. If a person is not wearing a helmet, then the system predicts the person and challan will be generated for that person. For this we have used Convolution Neural Networks model.

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