Final Year Project Report

Traffic Challan Form System

Project Advisor:

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Submitted By:

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Dedication

First and foremost our group will like to dedicate this final year project that we have completed to the Beloved Parents. They always encouraged and became a source of constant motivation lead to accomplish our goal.

We'd like to dedication to our Respected Teacher who helped us. She gave us inspiration to excel in life. With her full guidance and support for our project we are able to complete our project successfully.

Last but not the least, we dedicate this project to our beloved University "University of Management and Technology", and we sincerely offer this thesis to serve as the legacy we will leave to our university.

Final Approval

Panel of Examiners

- **Head of Department** _____
  Department of Computer Science
  UMT Lahore

- **Program Director (Final Year Projects)** _____
  Department of Computer Science
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- **Supervisor** _____
  Department of Computer Science
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- **Co-Supervisor** _____

Acknowledgment

Thanks to Allah almighty for every blessing he blessed us with.We would like to thank the Faculty of our department for hosting me for four years, Special thanks to the Dean, School of Science and Technology, Dr.Shaukat Iqbal and all other faculty of our valuable teaching system of our department.Our deepest appreciations go to MAM Tayaba Anjum for her time, effort and advice as a supervisor and academic professor.

Finally, I thank everyone who participated in making this work achievable, hoping that this project will be an important step into a successful career.Last but not the least; we would like to present a special thanks to our families, for their love, understanding, encouragement and confidence in us.

Project Title	Traffic Challan Form System
Objective	To follow rules and regulations
Undertaken by	Farrukh Saleem Aqib Ali Imran Ali
Supervised by	MAM Tayaba Anjum
Starting Date	
Completion Date	
Tools Used	Web Tools PHP XAMP Sublime Text Draw.io Matlab
Operating System	Window 8.1
Documentation	

Abstract

From the last few decade, there has been tremendous rise in number of vehicles. Peoples are showing undisciplinary behaviour due to increased traffic that causing rise in the violation of the traffic rules. Manual work for tracking the vehicle or conducting the normals checks is time consuming. An web based automatic system is required where all the challans can be stored online either through a police man or automatic detection of violation. Our traffic challan form system has two major panels: first is admin and second is traffic police officer.Police officer can take challan of persons who breaks traffic rules and according to category of challan fine will be charged. Police Officer can access this system only by entering his name and password. Policeman can get detail of all vehicles and and their owners by scanning his licence no or CNIC no.In case there is no police man, automatic system will work. An image will be capturedof moving vehicles as red light switched on,challan entry will be added automatically of detected moving vehicles by their vehicle number.

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1.1 Definitions and Acronyms

Acronym	Definition
TCS	Traffic Challan Form System
CRUD	Create, Read, Update, Delete

Table 1: Table of acronyms and definitions

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2. INTRODUCTION

Traffic rules as one of the major problems in few countries, at the results increasing road accidents. Road accidents result in human injury/loss of life and monetary.Traffic accidents can be controlled if traffic norms follow strictly. Traffic Expert Solution for road traffic control System offers the ability to acquire real-time traffic information. Traffic expert enables operators to perform real-time data analysis on the information gathered. Traffic management measures are aimed at improving the safety and flow of traffic utilizing traffic capacity more effectively.

In this project we design Traffic challan form system which has two major panel first is admin and second is traffic police office. Police officer can take challan of persons who breaks traffic rules and according to category of challan fine will be charged. According to specific driving license his/her all previous records of challan, location of challan and date of challan is also shown to police officer. Police Officer can also access to this system only by entering his name and password to login into this system. Basically, it is an online system to manage record of challans. In case of absence, camera will detect the picture of vehicle and send him alert that he provided(database), whole data of person will store through their vehicle number plate.