

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI, KARNATAKA



A MINI-PROJECT SYNOPSIS ON
“ROAD ACCIDENT MANAGEMENT SYSTEM”

WEB TECHNOLOGY AND APPLICATIONS LAB (15CSL77)

Submitted by

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ABSTRACT

The project entitled as “ROAD ACCIDENT MANAGEMENT SYSTEM” helps us in storing the information about vehicle that has met with an accident in a digital way. This project gives us a clear picture on how the data is stored and accessed digitally. Some operations on data are performed in this project in an efficient manner. The main aim of this project is to store the details of the road accident vehicles and provide these details to the transport authority officials at a given particular date.

INTRODUCTION

As cities across the world grow and the mobility of populations increases, there has also been a corresponding increase in the number of vehicles on roads. The result of this has been a proliferation of challenges for authorities with regard to road traffic management. A consequence of this has been congestion of traffic, more accidents, and pollution. Accidents are a still major cause of death, despite the development of sophisticated systems for traffic management and other technologies linked with vehicles. Hence, it is necessary that a common system for road accident management is developed. Road accident management is the centralized handling of a motorist's claim following a road traffic collision or other damages or mishaps that happen to a vehicle while on or off road. Hence this project deals in storing the information about the vehicle details in digital way and can be accessed at any moment.

OBJECTIVES:

- To manage the accident data in a electronic or digital way
- To provide a systematic way of giving the data in a relevant manner
- To provide easy access to the stored data to the transport authority officials

PROBLEM STATEMENT

To design and develop a ROAD ACCIDENT RECORD SYSTEM that facilitates the transport authority officials to provide the stored details of the accident vehicle at any given date.

SOFTWARE REQUIREMENTS:

Operating System	: Windows 7 and above
Backend	: Database (phpmyadmin)
Frontend	: PHP, CSS, JavaScript
Editor	: Text Editor
Browser	: Mozilla Firefox

HARDWARE REQUIREMENTS:

Processor	: Intel core I5 and above
Ram	: 4GB and above
Hard disk	: 500GB and above

FUNCTIONAL REQUIREMENTS:

- To provide an authentication to the transport authority officials
- To keep track of all the details of the accident vehicle
- To perform particular operations on the stored data

NON-FUNCTIONAL REQUIREMENTS:

- Availability:

With the help of particular devices such as cameras, sensors, etc., the vehicle details are collected and entered into our project. Our project will work when ever required during any period of time.

- Usability:

Our project is mainly useful for the transport officials to store the data in relevant and electronic way rather than storing them manually.

- Security:

Our project provides security to the users. It involves login and logout module in order to provide a secure user authentication.

SYSTEM DESIGN:

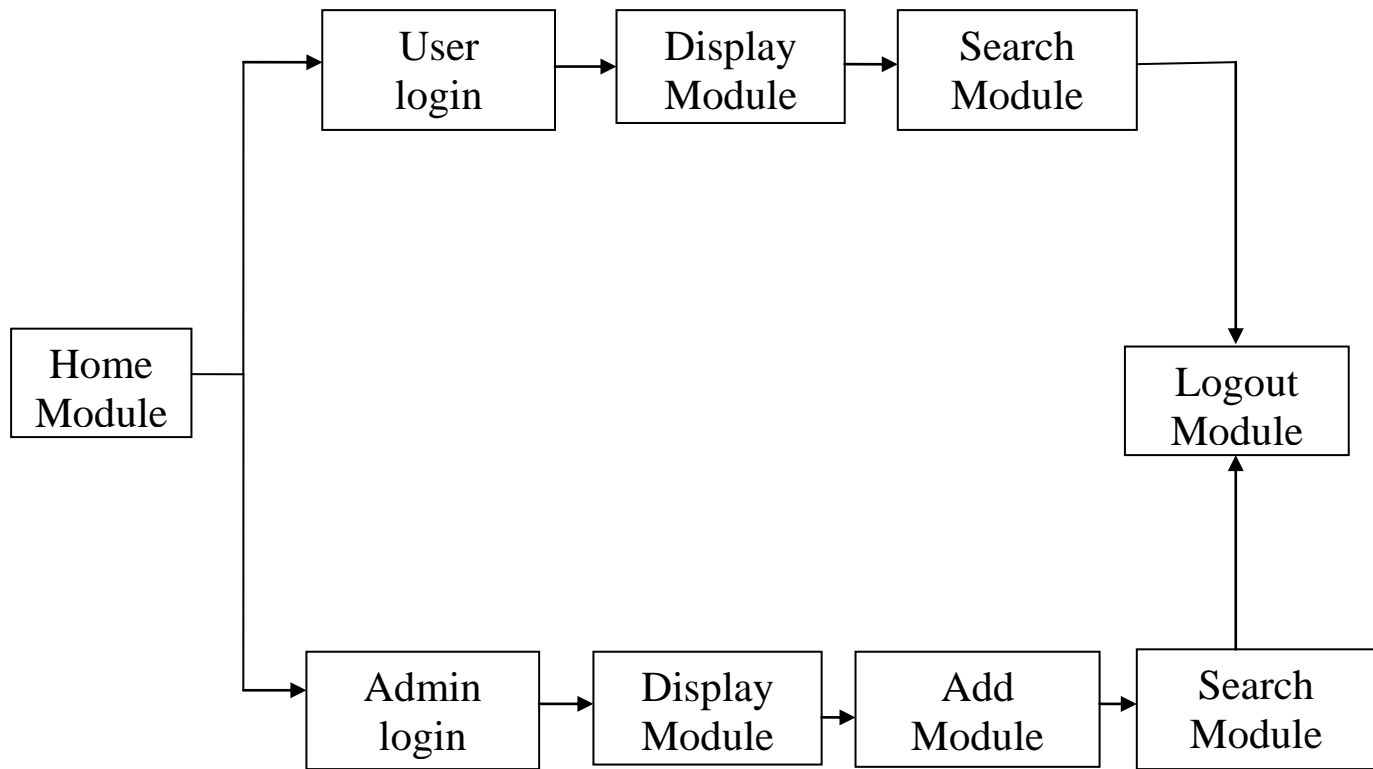


Fig: System diagram

MODULES:

1. Home module:

This module allows the user to select the type of login i.e. Admin or user Login. This is the initial stage of the project.

2. User login :

Allows the transport officials to login the particular account and view the details.

3. Admin Login:

In this the data can be added or modified at any moment whenever the user logins as admin.

4. Display details Module:

The page that displays all the accident vehicle details where the data can also be added.

5. Add Module:

This module is available only to the admin where all the details are entered and stored for further use.

6. Search Module:

The page that searches a particular details of vehicle that has met with an accident.

7. Logout Module:

This module is accessed when the user or admin logs out of his/her account.

REFERENCES:

1. Fundamentals of web development by Randy Connolly and Ricardo Hoar
2. Links:
 - https://en.wikipedia.org/wiki/Accident_management
 - <https://www.hindawi.com/journals/jat/2018/6168981/>