VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgaum-590014

A Mini-Project Synopsis Report
On

"VEHICLE PARKING MANAGEMENT SYSTEM"

Submitted to

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In the partial fulfilment of requirements for the award of degree

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE AND ENGINEERING

BY

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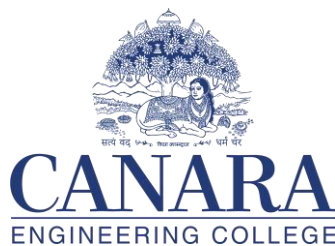**SHILPA GANAPATI BHAT (4CB20IS052)**

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CHAPTER 1

ABSTRACT

The Vehicle Parking Management System (VPMS is a system that enables customers/drivers to reserve a parking space. It also allows the customers/drivers to view the parking status at for example Canara college. It was developed because the congestion and collision of the vehicle, the system was developed for Canara college located in Mangalore. Therefore, the project aimed at solving such problems by designing a web based system that will enable the customers/drivers to make a reservation of available parking space at Canara college.

These requirements were later used to design the system by creating data flow diagrams and entity relationship diagrams. The designed system was implemented using different development tools which include HTML for creating interfaces, CSS for styling web pages for dynamism in the web pages and as an input validation tool. XAMMP was used to build the database and PHP used as a server side scripting language to connect the user interfaces to the database.

INTRODUCTION

1.1 PROBLEM STATEMENT

Canara college parking had challenges concerning its safety of data in the store since they currently use paper based system, physical struggle for parking by drivers, wastage of time, congestion and collision. There was also a problem of monitoring the profit made for the college whereby the college was losing money to its workers who receive the money (fraud). This system majorly solved the congestion, collision and save time during parking activities.

1.2 PURPOSE

The Drivers especially those who may need get the parking spaces may find it impossible to access it since there could be other vehicles blocking the way and yet they must hurry to book for parking spaces. This is because of using paper based which is unsecure and needs self-contact to reserve for parking and it's also time consuming, to design vehicle parking management system will provide better efficiency in locating parking space and paying for it.

1.3 OBJECTIVE

To enable drivers to locate and reserve a parking place online through accessing it on web platform

1.4 EXPECTED OUTCOMES

This system Vehicle Parking Management System is designed to book a parking space for a vehicles and also admin can manage the parked vehicle by adding incoming vehicle and removing outgoing vehicle. Although financial transactions is done by cash in hand method but we team believe that this project would help a lot in parking using computerized method instead of old parking system. And for the clients/drivers it would be easier for them to book a parking space online.

CHAPTER 2

SYSTEM REQUIREMENT SPECIFICATION

2.1 Hardware Requirements

The hardware requirements of our project are:

Processor   :   Core i3 @2.50 GHz

RAM   :   4GB

Hard Disk   :   500 GB

2.2 Software Requirements

Operating System :   Windows 7 and above

Language   :   HTML, CSS, Python

Database   :   MySql

The front end is designed using HTML. This language is flexible. The main advantage to use HTML is that you can find vast resources from online, answers to any questions we can think of. The backend is designed using MySql. It is a database management system. To add, access and process data stored in computer database, we need a database management system such as MySql server.

CONCLUSION

This project was developed using PHP with MySQL is based on the requirement specification of the user and the analysis of the existing system, with flexibility for future enhancement. VEHICLE PARKING MANAGEMENT SYSTEM is very useful for clients and drivers as they can book parking space from home and admin can manage them. In big city areas finding a parking place for vehicle has been almost like impossible and everything was done manually requiring many labors so this project will help a lot in those area as it requires only few people to run it. This particular project deals with the problems on managing a parking space and avoids the problems which occur when carried manually. Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system which is more user-friendly and more GUI oriented.

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