RTO GUIDE

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Abstract— *In today's world websites and web applications have become an integral part of the society. Masses are dependent upon such applications to the core. Here, RTO guide is one such web portal designed to provide efficient services which will in turn simplify the hassle of maintaining the documents by digitalizing them. The main aim of this web portal is to ease the job of maintaining all the documents related to the RTO, to provide security and backup to the same, also to it is a platform that ensures that your documents are verified by a certified authority. This helps to eradicate the hassle of carrying or losing the documents, also provides assurance that the documents are in any way not forged and remain true to the canon.*
This portal also provides the services of scheduling the RTO appointments depending upon the criteria the fit into, preventing the chaos, which formulates smooth functioning of the RTO along with the clients.

Keywords- RTO officer, traffic police, insurance paper, vehicle puc, vehicle number, driving license.

I. INTRODUCTION

Web application (commonly referred as "website"), are considered to be one of the fastest growing trends in Information System industry. Users can enjoy various miscellaneous features about a large variety of Websites. As a result the upcoming technology trends have enabled innovative, exciting, and compelling mobile websites to become widely available, from gaming to multimedia to social networking. The most prominent one's are: Facebook, yahoo, google, Hotmail.

A website which will facilitate the user for not worrying about carrying the documents of their vehicle. We can digitalize all documents which are taken care of with so much efforts and hard work. This website will make sure you have all the documents with you every time anywhere wherever you go. Different documents like License, RC Book, Insurance papers can be easily accessible; with this functionality the portal will also provide appointment booking section where user can book their driving test appointment. The booking section is also designed in such a way that the bookings are scheduled and sorted on the basis of motor vehicle type.

Mainly the whole system consists of 3 websites.

- Main domain for home page showing 2 section of RTO guide

- A sub-domain for informative portal

- A sub domain for booking the appointment

The system will work on all browsers, irrespective of any operating system.

It can be viewed on all mobile phones, smart phones and tablets too.

A. Literature surveyed

All motorized road vehicles are tagged with a registration or license number in India. The License plate (commonly known as number plates) number is issued by the District level Regional Transport Office (RTO) of respective states. This Application will help a traveler or passenger in many ways and even in the case of a Police Investigation of an accident or vehicle-related crime, witnesses usually remember the initial Area Code letters it is then quite simple to narrow down suspect vehicles to a much smaller number by checking the Database without having to know the full number.

It is also required during the sale of a Vehicle and transfer of its Ownership. Also this Web Application helps you to find your own city, district or state registered vehicle in a picnic or a tour spot. The Application also helps us to find the RTO Offices in India. It Contains All Useful INDIA CODES In Single App. Regional Transport Office (RTO) is an Indian government bureau which is responsible for the registration of vehicles and the issue of Driver's Licenses in India.

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B. Objectives

An application which will facilitate the user for not worrying about carrying the documents of their vehicle.

This application will make sure you have all the documents with you every time anywhere wherever you go. Different documents like License, PUC, RC Book, Insurance papers can be easily. Also this portal also provides the services of scheduling the RTO appointments depending upon the criteria the fit into, preventing the chaos, which formulates smooth functioning of the RTO along with the clients.

C. Problem Statement

We have proposed "RTO GUIDE" for the betterment of vehicle management system. There were few problems in the existing system of scheduling or booking the appointments of the driving license tests. Few problems in the current website are such that it lacks proper scheduling of the rto appointments, which in turn causes chaos for both , the rto officials as well as the users.

The scheduling services provided by RTO GUIDE eliminates the above problems and formulates smooth functioning regarding the appointments. The current system is not user friendly, the layout is improper, also it does not provide with any translation feature. Our site focuses on improving the drawbacks of the existing system.

A. Methodology Used

Methodologies contain guiding processes for those who are doing project management. The true definition is that methodologies are not tool specific, however in today's software-reliant world the reality is that the methodology and the organization's project management software tool are often heavily intertwined. The desired system uses framework like bootstrap , laravel 5.1 and CMS tool like wordpress. A free html template for designing of the homepage. The methodology used in designing and developing this Application is through HTML and basic PHP. The database being used is SQL for the records and track of the Owner Vehicle Detail.

B. Interface Design

1: Login Page.

Figure 2: Admin Dashboard

Figure 3: Welcome Screen.

Figure 4:Way to different portals.

Figure 5: About us page.

III. REQUIREMENT ANALYSIS

The basic requirements for the design of the RTO Guide are: Every user should have their own identity

User can update his/her personal information and can view the notice etc.

A.   Functional Requirement

1) User Interface

Login page: This page provides the pre-registered users to gain access of the app and place order. The login page requires the user to enter the username and password.

Vehicle Profile: This page provides the vehicle Documents like PUC, RC BOOK, Insurance Papers.

User Profile: This page provides the owner detail like ID, Phone no. Some Common Mistakes

2) Hardware Interface

Processor: Pentium(R) Dual-core CPU Hard Disk: 40GB – 1TB

RAM: 512 MB or more

Operating System: Windows NT, Windows 98, Windows XP

3) Software interface

Language: PHP, HTML,CSS, JS, BOOTSTRAP, JSON, LARAVEL5.1

CMS: WORDPRESS Database: MYSQL

RTO GUIDE is optimized for most modern web browsers, including:

1. Google Chrome

2. Internet Explorer (version 7 or newer)

3. Mozilla Firefox.

Android 2.3+ platform

Android 2.3 emulator

The user's device should be capable of internet connectivity, such as Wi-Fi, 3G, etc.

XAMPP

B. Non-Functional Requirement 1) Performance Requirements

The primary performance requirement is speed of the network i.e. GPRS. Website functions smoothly in presence of a strong and steady internet connection.

2) Safety Requirements

There are no safety requirements with this application.

IV. SCOPE

Project focuses on simplifying the functions on the RTO management system and also to provide a digitalized platform for maintaining all the documents. In our system we are also trying to provide security to the documents. There is also a

scheduling part which sorts booking of driving license test according to their type of motor vehicle. This is useful for both the users and the rto officials and also the concerned authority who might want to review the documents

V. CONCLUSION

This project uses the framework such as bootstrap, laravel with the CMS like wordpress .The new scheme provides and solves many problems of existing system. It can also be useful for user in security point of view. No password information is exchanged or changed between the user's and the admin. It provides a user friendly interface as compared to the current available systems, also the server load is less as the CSS and JS files are compressed. Thus it proves as a handy tool to the user by minimizing the glitches and improving the current scenario.

ACKNOWLEDGMENT

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