Implementation of Online Regional Transport Office Management System

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ABSTRACT

Now, many people buy two wheels, four wheels, etc. Therefore, RTO employees have a heavy workload for registration, licensing, transferring, etc., which requires many documents. As a result, people cannot do things at the right time, which wastes time and energy. Likewise, the owner of the vehicle sometimes forgets to bring his license and forgets the date of insurance at the time of consultation. So to overcome these drawbacks, we are developing an improved E-RTO management system.

In doing so, we provide a type of environment that provides users with an easy-to-use means of accessing and understanding well. The administrator has the power to verify user-entered data, data processing and provide appropriate solutions.

The user is the person who gets all the benefits of this application. With the growing importance of corruption it has become an important factor to take into account accordingly, the number of vehicles and the rapid development of the population are growing in our daily lives.

Now, the one-day population has become an important factor to consider accordingly, the number of vehicles is growing with growing problems with managing vehicle registration, registration of licenses, emissions, insurance, etc. for the RTO departments and manage the verification of user and vehicle documents by the official traffic police.

Keywords –ERTO

1. INTRODUCTION

RTO's online management system is a facility for registering on the Internet new vehicles purchased from various authorized dealers. It is a WEB APPLICATION software which directly performs the interconnection between the server and the clients. The Regional Transportation Office (RTO) is an Indian government office responsible for the Indian driver's license problem. The RTO administration will have a lot of work to do with the registration of vehicles and the issue of a driving license. Likewise, the vehicle owner sometimes forgets to bring a driver's license and forgets the insurance when consulting. This document has proposed

an approach to solving these problems which consists in keeping all the license and license holder information in the database by the RTO administrator. E-RTO is an advanced ERTO management system whose design is maintained to make the existing registration and insurance system easier and faster. It includes the entire registration and insurance procedure from the initial access phase to the Result. It is more reliable, accurate, saves time and is free of any misuse. The system provides information on the RTO application and its status.The system provides information about the RTO application and its TDER job status, for example how to check all the applicant's records, confirming that all personal details are provided ,Presentation of qualification documents, driving license, registration details, etc. it is made in The most convenient way for the administrator. This technology allows the traffic police to be more effective in controlling repeat offenders of traffic regulations.

The traffic police have the database of registration numbers and history of driving license holders. When a traffic police enter the details of any vehicle caught violating traffic rules, provide complete information the details of that particular vehicle, including the owner's name, address and brand, model and other vehicle details.

Not only that, the details of the driver's license would also be available. Therefore Better penalties are provided for repeated violations of the highway code security is also is provided in the most competent way of the intermediate stages from the reception of the application form to reveal the applicant's number together with the license expiration date are treated The advantages of this application are: considerably reduce corruption in Department of Transportation. Protect license documents. In case of accidents it helps to identify the injured person and also helps to find out the stolen vehicle effectively. Offer drivers to being dependent of vehicle documents.

2. PROPOSED SYSTEM

The proposed system is an improved web application for the RTO management system. The system is composed of RTO as site administrator .In this proposed system, RTO is an advanced user. It has the power to verify user entered data

processing and provide appropriate solutions. The administration is controlled by each RTO official based on their credential limits. All users must register and everyone must have a correct username and password to access their information.

2.1 OBJECTIVES

Create an improved web application to be used in place other previous system.

Maintain and improve skills management for department staff.

Provide the easiest and most efficient way to complete RTO work.

Ensure transparency in the daily management and administration of RTO department officials.

2.2 SYSTEM MODULES

Administrator:

The administrator is an advanced user. It has the power to verify user entered data, data processing and provide appropriate solutions.

User:

User the person who gets all the benefits of this application.

By presenting the new system, we organized some surprising congratulations: ·

- Registration of the vehicle via the Internet.
- Selecting the number of vehicles via the Internet ·
- Releasing information on driving licenses.
- Helping the traffic police to track down private vehicles.
- Separate account for license holders and the police.
  Ex. Record
- Complaints and see their status.
- Provide email alerts to users about insurance / pollution

3. SYSTEM OVERVIEW

Our system is E-RTO, which is composed of an administrator, the Admin user is one who controls the system .It can be any of the RTOs. RTO has the right to approve the vehicle registration. Add available smart number on the site and also add the details of the driving license. Functions performed by RTO First of all, the user must register on the site using a username, password and the main details. Then it can perform a number of functions associated with your vehicle. Performed functions per user. The user can register his vehicle. The registration request will be sent to corresponding RTO. The current RTO administrator will approve or reject the record application. The user can request a fantasy number provided by the administrator.

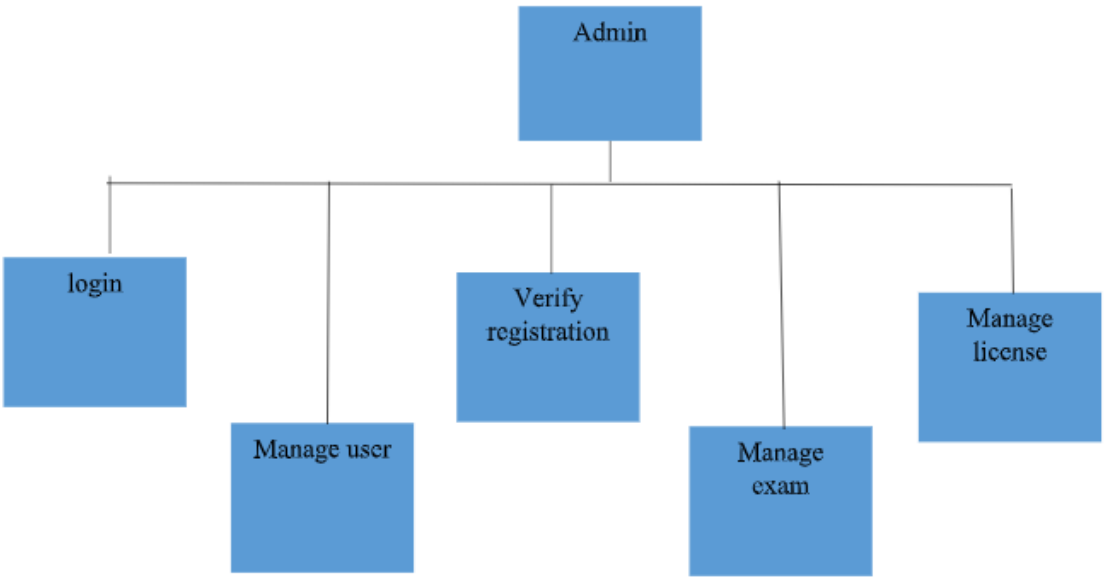

Fig 3.1 Functions of Admin

The administrator can manage various functions such as accessing the page, managing users, the exam can be administered and also manage the license, are all the above functions and all activities are controlled by administrator.

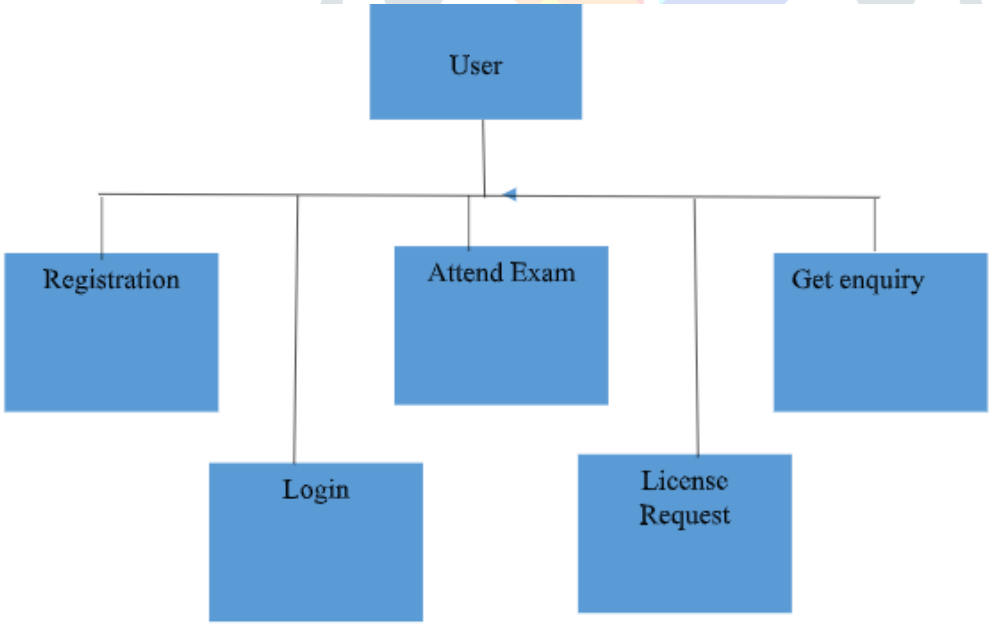

Fig 3.2 Functions of User

The user can perform various functions, such as registration, participation in the exam, requesting a license, Also consultation of various sections.

4. SYSTEM ARCHITECTURE

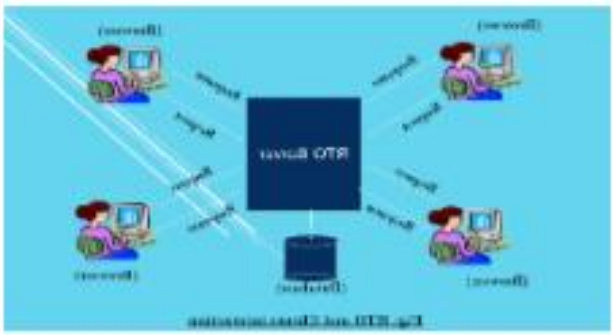

Fig 4.1 "System Architecture"

System architecture which describes the architecture of how data can be requested from the browser to the RTO server and how the RTO can respond

browser to manage or administer all RTO activities.

5. SYSTEM FLOW DIAGRAM

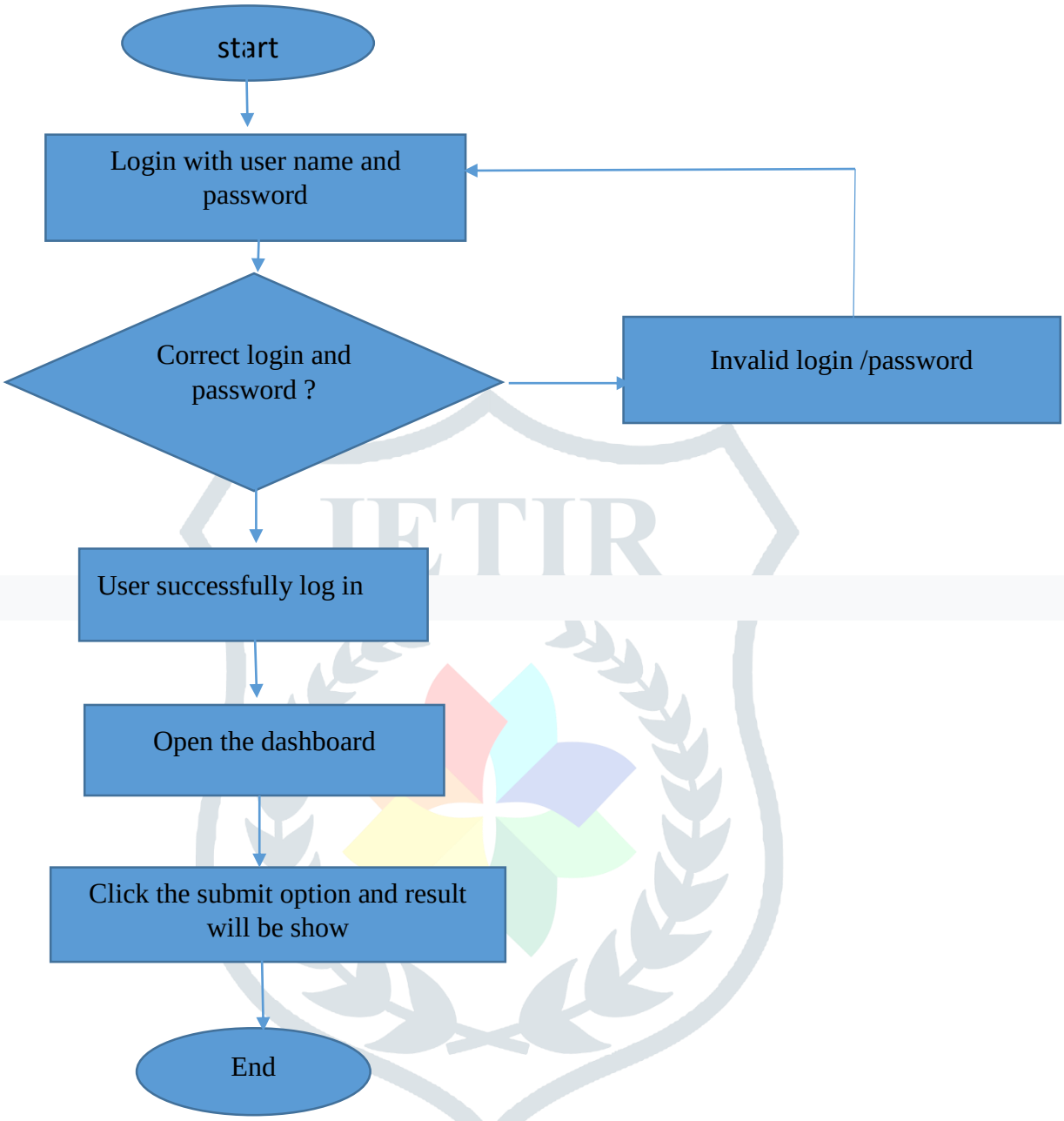

Fig 5.1 system flow diagram

6. IMPLEMENTATION

The implementation of project follows various steps such as registration page then login page, Dashboard, exam portal, submit Exam, logout option.

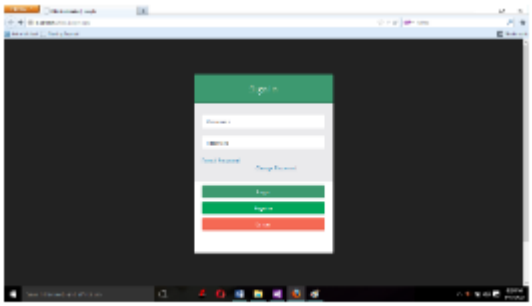

Fig. 6.1.Create account for the project

The Registration page consist of number of fields such as First name, Last name, username, password, email id, contact no, Address and it will asked you to re-enter your password after that your account will be created.

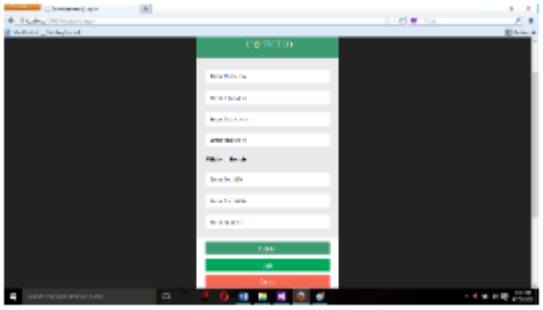

Fig .6.2. Registration page of the project

If you are having already an account then just simply sing -in into the web portal of RTO management system.

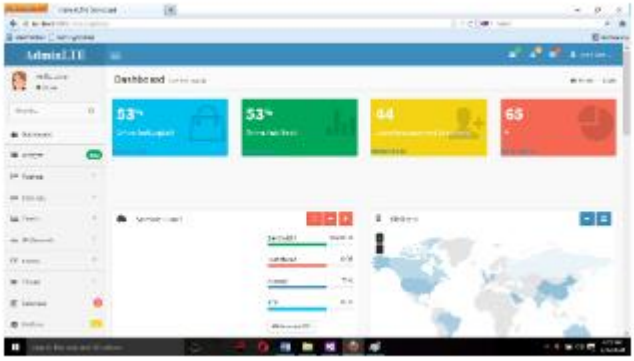

Fig .6.3 Home page of System

After the successful login into the account it will directly show the dashboard for the license exam.

7. APPLICATION

For registration of the license.

- Used to keep vehicle records.

- Used in various authorized vehicle showrooms and amp; RTO.
- It is used to reduce crime.

8. ADVANTAGES

- Protect license documents.
- In the event of an accident, it helps identify the injured person and also helps to detect theft.

Effective vehicle.

- The traffic police can check all the details of the person and the vehicle.
- It is not necessary to bring a license.
- Reduce corruption in the transport department.

9. LIMITATION

Dependence on the browser.

Limited to HTTP.

One of the major limitations of the tour operator

Business is the high degree of competition that Prevails in the sector.

The regulatory laws governing the activity of tour operators differ from country to country.

10. CONCLUSION AND FUTURE SCOPE

It can be concluded that the & RTO Smart Android application based on the Web RTO effectively verifies the license documents systematically maintain records and reduce many paperwork and manuals.

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