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Development of Road Transport System of Warud Region by using ASP.NET

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Abstract: Road Transportation is an important service in every country. People use various vehicles for that. Government system required necessary and authentic document for that. RTO offices provided these services for registration. Present system of registration is little bit tedious in warud region. So author are tried to develop a system which is user friendly and required human less interference. The develop RTO Information System is an online information source which is useful for Regional Transport office Warud to facilitate the users in applying for various licenses and registrations. This tool has been designed to facilitate the flow of information within the organization. RTO provides the facility of applying licenses online, insurance of permanent license, tax challans, and receiving payments against challans. Authors used ASP.Net and SQL for development of system.

Keywords: RTO, ASP, Visual studio etc.

I. INTRODUCTION

RTO Information System (RTO) is an online information source developed for Regional Transport office to facilitate the users in applying for various licenses and registrations. This tool has been designed to facilitate the flow of information within the organization. RTO provides the facility of applying licenses online, issuance of permanent license, tax challans and receiving payments against challans.

In the Previous System It is not efficient in performing office work in RTO services, It includes much manual process and time consuming, It is not user friendly, Maintains local database. It is not Generating Accurate Reports. To overcome this problems in the existing System a new system for RTO services "Regional Transport Office warud "is proposed. After study and analysis of the system authors tried to develop system by following objectives such as Ensure data integrity and security, less manpower, Generate accurate reports, Accurate handling in multiple details[1]-[4].

II. LITERATURE REVIEW

Now a day's for registration of vehicles and other services related with RTO office e.g. driving license is critical process, the whole process required for registration diving license and registration are critical and time-consuming. These all process is conducted manually by RTO offices.

We all know existing RTO office work is so lengthy as well as a time-consuming process. In RTO office warud provided the services by taking only one day camp of RTO and people who want a driving license should remain present on that day.

If they missed that camp day then they have to go district RTO office for this process. So it is time consuming and economically not suitable for normal people. To overcome this disadvantage we are developing web application which provide easiest and efficient way for RTO office work like making driving license online, permanent license, tax challans,and receiving payment against challans.

In lots of condition authors have observed that RTO office work get completes her process through agents, when person go to RTO office for Driving license, registration process then person did not directly interact with RTO officer, then person go through the agent and will complete person work by taking lots of money because that person is unaware about all these system. Current RTO office system is critical and time consuming and there is no any updating in RTO system. To overcome all problem in the existing system a new RTO office Warud system can be developed. This system is generate accurate report, accurate handling database of person. Provide security ,legal issue among legal participant, and to officer easily handle all database of any applicant[4]-[6].

III. METHODOLOGY

A. Modules Used

1) User Module

a) Renewal of learner's license.

b) Renewal of permanent license.

c) Vehicle Registration

2) Admin Module

i) User Module: User module provide facility to user for registration of learning license, permanent license and vehicle registration. These form consist detail information about license holder and vehicle registration, e.g. learning license form consist of Name, Age, Gender, Taluka, District, State, E-mail, Contact number ,Date of birth and such type of other details.

ii) Admin Module: A RTO admin module is control user module ,it can access all information and details from user database, it can handle and access database about all type registration process such as learning license registration, permanent license registration, payment detail, vehicle registration etc. If any information missed during entry level in RTO form. Then this form is edited by RTO admin. If all criteria required by applicant is full filled in registration form then RTO admin generate license and vehicle No.

3) Application

a) For License Registration

b) For Vehicle Registration

4) Advantage

a) Traffic police can verify the all details of person and vehicles.

b) Reduced corruption in transport department

IV. RESULT

The following figures 1 to 4 shows the sample screenshot of how RTO System can work, When User fill out the his details on database. Then after by using same database RTO officer take appropriate action on them and send details to user.

1) Web Page: home page

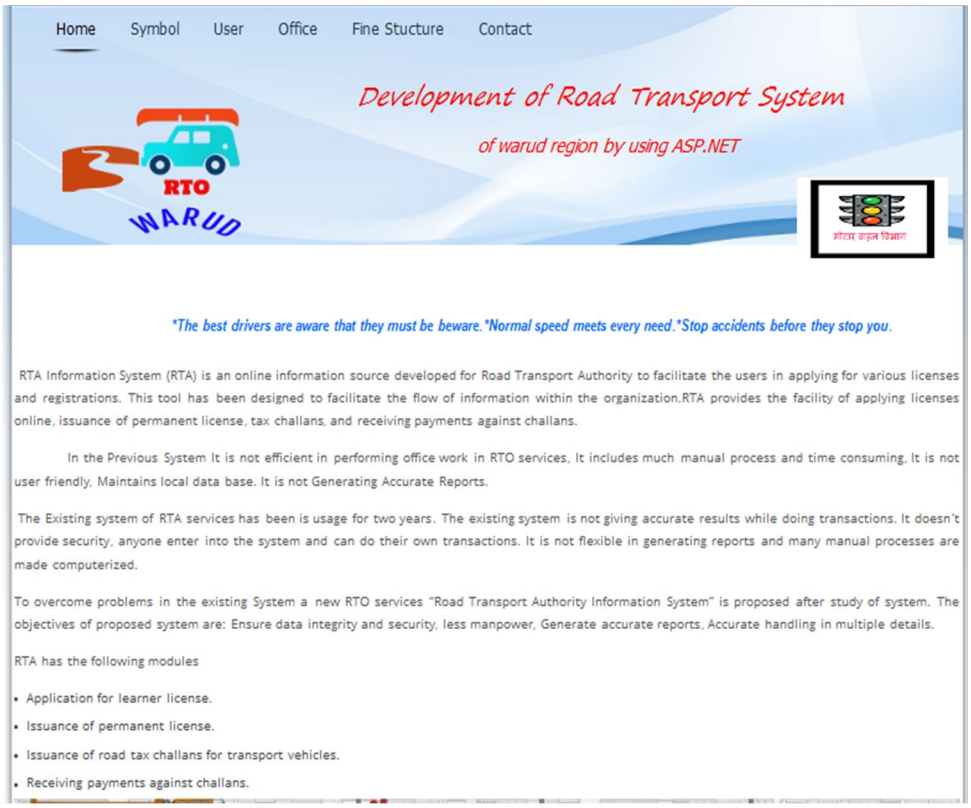

Fig.1:Home page

2) *Web Page:* Servises

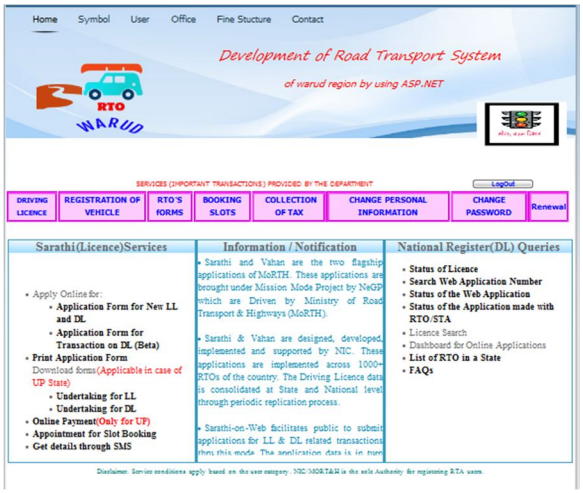

Fig.2: services

3) *Web Page:* License Renewal page

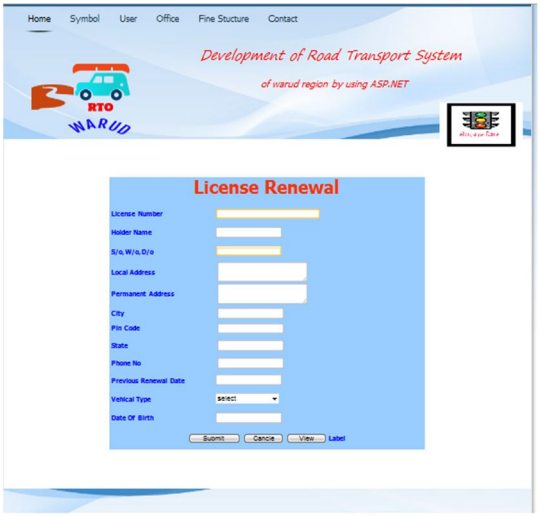

Fig.3: License Renewal page

4) *Web Page:* Payment detail

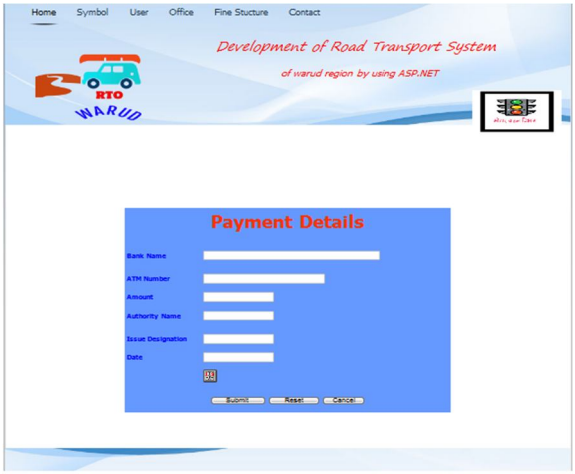

Fig.4:- Payment detail

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V. CONCLUSION

The developed system work very effectively. It works properly as per requirement of the present system. This system provides the facility of applying licenses online, issuance of permanent license, tax challans, and receiving payments against challans. The developed system has been appreciated by all the users in the organization. It is easy to use, since it uses the GUI provided in the user dialog. User friendly screens are provided. The usage of software increases efficiency decreases the effort. It has been efficiently employed as a project management mechanism.

VI. FUTURE SCOPE:

In future we can do this process through online Regional transport office term can apply for the tie up an authorization from all government office like passport , Register office, corporation office & gram panchayat Nagarpalika of nearby region. The Scope of the Online RTO System includes a complete suite of portal to provide user with 24/7 access information and services like Online Application, Online Registration, Online Inquiry

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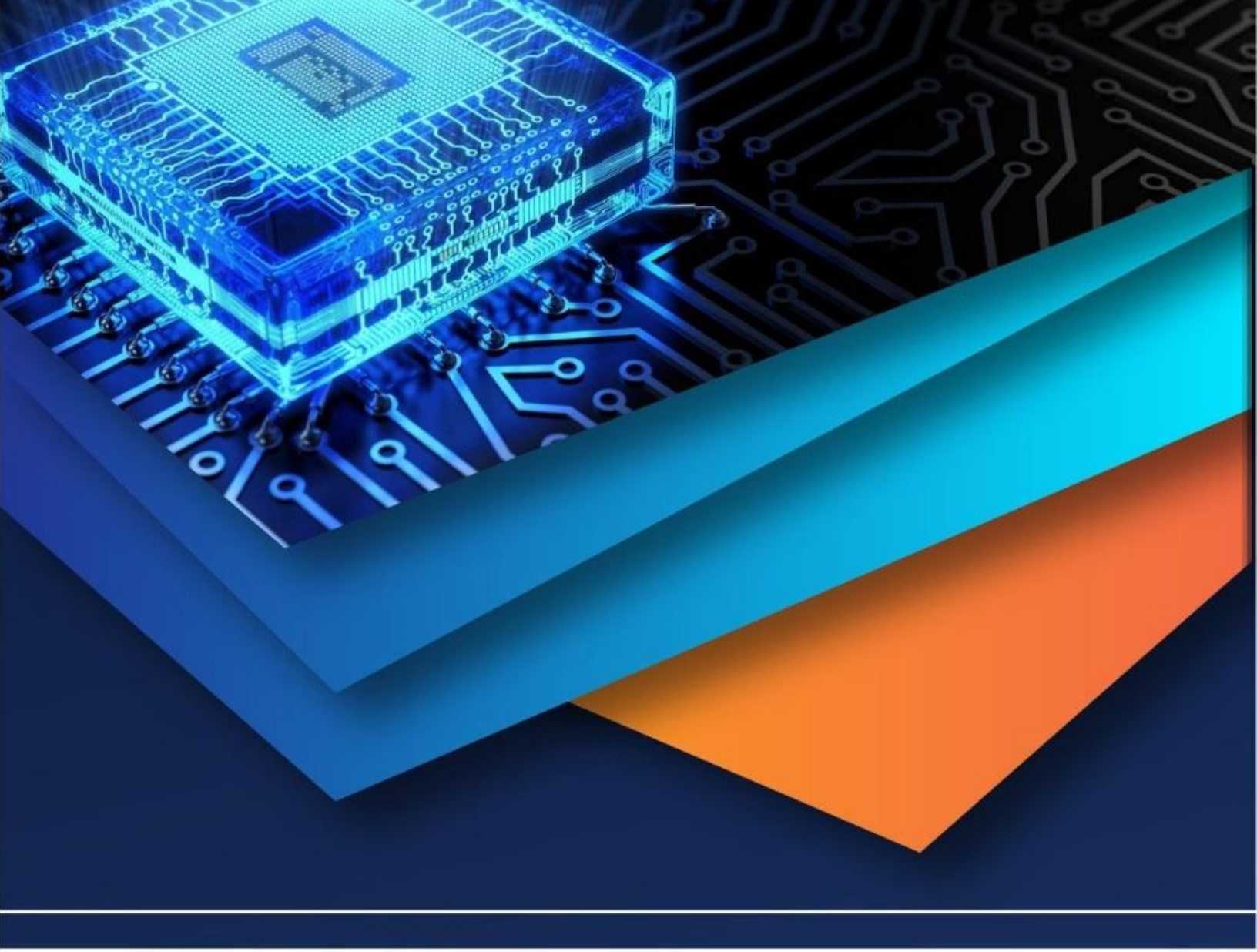

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