

# **ELECTRONIC ADMINISTRATION OF TRANSPORT DEPARTMENT**

PROJECT WORK DONE AT

**BONASOFT  
COIMBATORE**

P-775

## **PROJECT REPORT**

SUBMITTED IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE AWARD OF THE DEGREE OF  
**MASTER OF COMPUTER APPLICATIONS**  
OF BHARATHIAR UNIVERSITY, COIMBATORE

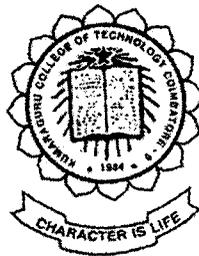
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**KUMARAGURU COLLEGE OF TECHNOLOGY**

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**May 2002**



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## **Bonafide Certificate**

This is to certify that Mr. S.Athiq Ahmed (99mca04) doing Master of Computer Application in Kumaraguru College of Technology, Coimbatore, has successfully completed the Academic project titled *Electronic Administration of Transport Department* under the guidance of our company, during the period December 2001 – April 2002, for the partial fulfillment of MCA.

Sincerely Yours,  
For BONASOFT,



Rachel Priya. M  
Project Leader

## DECLARATION

I here by declare that this Project work entitled "Electronic Administration of Transport Department" submitted to Bharathiar University as the Project work of Master of Computer Application Degree, is a record of original work done by me under the supervision and guidance of Mr.Kirubhanadan, Bonasoft, Coimbatore and Mrs. C.Ramathilagam, MSc(CS)., Lecturer, Department of Computer Science, Kumaraguru College of Technology, Coimbatore and this project work has not found the basis of award of any Degree/ Diploma/Associateship / Fellowship or similar title to any candidate of any University

Place: Coimbatore



Signature of the Student

(S.Athiq Ahmed)

Date: 09-05-2002

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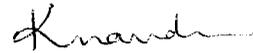
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**Mr.Kirubhanadan, BE**

## **Acknowledgement**

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## ACKNOWLEDGEMENT

First I would like to thank the almighty with whose blessings I have completed my project successfully.

I express my profound gratitude to our institution **Kumaraguru college of Technology** for giving me the opportunity to pursue our PG level education and to our principal **DR. K.K.Padmanaban** for allowing me to do this project work with partial fulfillment of the degree of MCA.

I also extend a deep sense of gratitude to our Head of the Department Prof. **S.Thangasamy** who played a pivotal role in encouraging me towards the completion of this project.

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Finally I place my humble accolades for all those who have supported me directly and indirectly throughout this project.

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## **Synopsis**

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## SYNOPSIS

The system - Electronic Administration of Transport Department, envisages removing redundancy and imparting efficiency in the process of service delivery by meticulously docking it to the working legacy administration, thereby ensuring that the customer gets his demands met promptly and in time. The system so designed as to prune the legacy administration to insignificance over a period of time. The other objectives are:

- Evolve a web-run, social system wherein the citizens are secured at the center of governance with the department efficiently serving the demands registered by them time and again.
- Lead to eventual establishment of E-Governance

In this system, the citizens are allowed to apply with the transport department for the services like vehicle registration, vehicle license, endorsement, Permit etc... For each applied services the officer authorized to provide the service and belonging to the same jurisdiction alone is allowed to grant the service. To facilitate the transaction and communication between citizen and department, an automated e-mail service is provided.

Based on the conditions that the department follows to provide a service, the application is accepted or rejected. For each accepted application an email carrying a unique codeword is posted to the applicant.

The citizen according to the specifications given in the mail comes to accept the service. The delivery is made after the prior conditions like payment, insurance, tax etc... are made.

The officials in the higher cadre make the administration of the officials of the lower level within the department where they can view the performance of each lower end official. The system is developed using **ASP, JavaScript, HTML, DHTML, SQL Server and IIS Server.**

## **1. Introduction**

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## 1.1 Project Overview:

The project assigned pertains to electronic administration of transport department under the government of Tamilnadu. The system is designed to establish an electronic interface between the citizen and the department and between the hierarchies of the department situated geographically apart from state to taluk level. And facilitate governance of the department over the web for communication and transaction. The significance of the system is that it ensures retention of control with effectiveness while doing away with the colonial durbar and still pleasing the citizen by squarely meeting the expectations with speed.

Thus the main criteria of the project can be focused as to Evolve a web-run, social system wherein the citizens of a country are secured at the center of governance with department efficiently serving the demands registered by them time and again thereby lead to eventual establishment of E-Governance.

The system covers various attributes of the transport department maintaining the organizational, structural and the functional constraints the same but still reducing the effort, department would take to carry out the services. The services that are carried out by the transport department based upon the functional constraint are cornered to fulfill the time constraint. The administrative activities of the RTO with respect to the citizen pertains to

- Issue of Driving License
- Issue of Learners license
- Registration of Vehicles
- Transfer of ownership
- Endorsement of Vehicles

- Payment of Tax
- Grant of Permit

The system perspective revolves around the design, development and implementing a system that enables

- Furnishing information of relevance with speed on call from the citizen
- Building an evolving (grows with the pass in time incorporating changes occurring during the life time) database of the citizen by assigning an unique identity number that is archived after the death. And establish an interface with the RTO.
- Instituting automated communication between the citizen and the RTO
- Institutes an effective system for delegation of power down to the grass-root level from Secretary of Transport Department at the apex to the executing officer at the Taluk level without diluting control and intervention discretion.

The System facilitates the work of the department of transport considerably to render services to the citizen by automating it through the Internet. All the details about the citizen and the vehicle are handled to render the requisite outputs after the request on each service is made. An automated communication between the citizen and the department is maintained using e-mails that would facilitate citizens to approach the service with ease.

The system enables the administration of various department officials at different level .The monitoring of the department staff is done efficiently to check their performances periodically by the officials at the higher level.

## Electronic Administration of Transport Department

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The system administration is done with regard to the jurisdiction of the person applying and the services are granted at the level organized by the department itself, which is below the divisional level. The regional level is where the execution of service is made. The functioning pyramids starts from the state head to the taluk level and the execution is done at the regional level.

Thus the system facilitates the means to provide effective administrative and executing powers to the department and efficient service to the citizen.

## 1.2 ORGANIZATION PROFILE

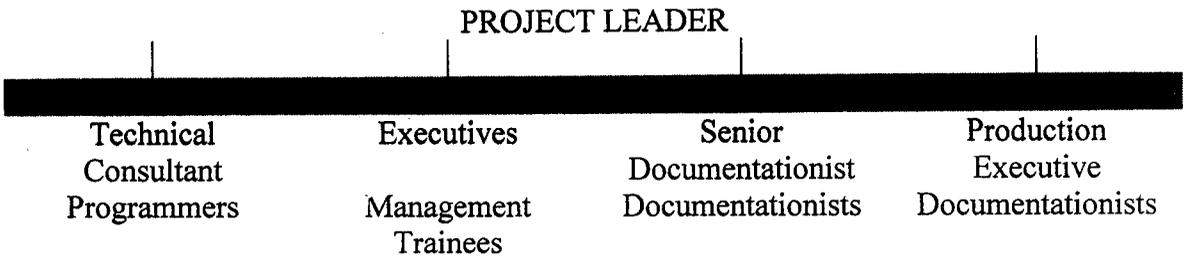
**Bonasoft** is the unit firm of Bonafine International (India) Private Limited, Chennai and its subsidiary company - Bonafine International (Malaysia) Sendirian Berhad, Kuala Lumpur, Malaysia. It has its development center situated in the city of Coimbatore. Bonasoft is emerging as the Application Service Provider (ASP) and Knowledge Management Company.

As Application Service Provider (ASP) Bonasoft is offering:

- **e-commerce solutions** through two of its **portals - education2employment.com** targeting to benefit - candidates, companies and institutions and **world entrepreneur exchange.com** benefiting small and medium enterprises.
- **e-business solutions** for customers from trade and industry across countries covering Middle East, Asia and Pacific regions. The services in this area comprise integration of third party products, delivering systems, networks, databases and applications to support a variety of electronic business and web-based initiatives and
- **e-governance solution**, which is citizen-centric and web-enabled, to governments across Asia and globe at large.

A positive move in the commercial deployment of these solutions has begun in all earnest and looking forward to rake in a good chunk of turnover in time ahead.

### OPERATION HIERARCHY (Development Center)



## **2. System Study and Analysis**

### **1 Existing System:**

The Existing System is the present transport department where the department staffs render services based on the application given by the citizen. Here the mode of application of service by the citizen is in the paper format obtained from the front office of the Regional Transport Office.

The obtained form is filled and then posted for processing whereby the paper moves through various desks to reach to be accepted or rejected. Then a particular day or time is assigned for the citizen to show their particulars to the officials.

In the current system of the transport department the top officials spread across various places and are categorized with respect to the jurisdiction assign power to the lower end officials based on their jurisdiction.

There are around 47 forms that serve the purpose of providing services to the applied citizens.

It was identified that most of the information asked in the forms are all redundant and this redundancy of the queries brings about inefficiency in the processing of the service.

### **Existing System – Limitation:**

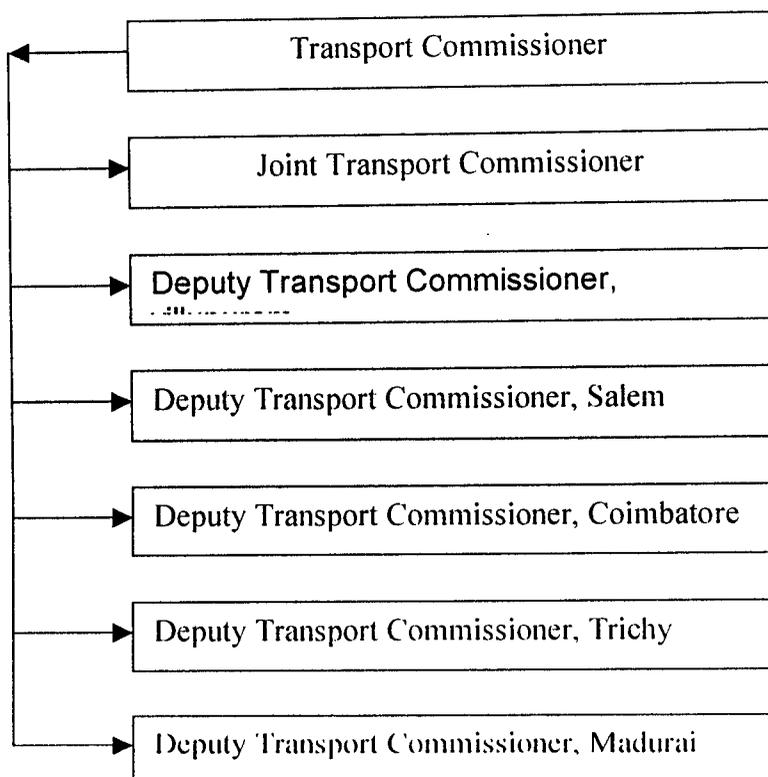
The Limitations of the current system of the transport department can be listed as below,

- Redundancy of queried information in the forms brings about inefficiency in the system processing.
- Time spent for the grant of service is high where the citizen loses patience on course.
- Facilitates the introduction of the middleman between the citizen and the department.

- Administration monitoring System in the department among the officials is inefficient.
- Reduces the effort of making effective communication between the citizen and the department.
- Mode of cross checking the citizen data is inefficient and takes more time and effort.
- The citizen cannot view the status of his vehicle's tax, insurance, permit ...etc

Thus these limitations in the system can be reduced by the implementation of the proposed system.

### Organizational Chart of the Transport Department



## Organizational Setup

The Transport Department is headed by the Transport Commissioner and functions under the administrative control of the Home Department of the Government. The Transport Commissioner also functions as State Transport Authority. In Chennai city Joint Transport Commissioner (City) is the Regional Transport Authority while in the Districts the Collectors are the Regional Transport Authorities. Appeals and Revision petitions against the orders of Regional Transport Authority and State Transport Authority are considered by the State Transport Appellate Tribunal, Chennai.

There are 5 Joint Transport Commissioners, 9 Deputy Transport Commissioners, 51 Regional Transport officers (including 7 Enforcement RTOs), 3 Assistant Secretaries to STA, 1 Assistant Engineer (Motor Vehicles), one Secretary, State Transport Appellate Tribunal and one Departmental Representative in the office of the State Transport Appellate Tribunal, One Chief Accounts officer, 1 Accounts Officer, 8 Assistant Accounts Officers, 166 Motor Vehicles Inspectors Gr.I, 133 Motor Vehicles Inspectors Gr.II and 1860 Ministerial Staff in the Department. One Statistical cell headed by Assistant Director of Statistics and one Legal cell headed by a Legal Officer are functioning in the Office of the Transport Commissioner. There are 7 zones, 44 Regions, 38 Unit offices and 19 Check posts in the State.

In order to enforce the provisions of the Motor Vehicles Act and Rules and Tamil Nadu Motor Vehicles Taxation Act and Rules made there under, this Department has an "Enforcement Wing" headed by the Joint Transport Commissioner (Enforcement).

## Functions

Road Transport plays an important role in the economic development of the nation. The number of vehicles and drivers are growing fast. Their growth is regulated by the Motor Vehicles Act 1988, which is a Central Act. Taxation of vehicles is regulated by the Tamil Nadu Motor Vehicles Taxation Act.

Important functions of Transport Department are: -

1. Issuing driving licenses.
2. Issuing conductor licenses.
3. Registration of vehicles.
4. Grant and renewal of permits for Stage Carriages, Contract Carriages, Goods vehicles and Mini buses.
5. Controlling Pollution due to Motor Vehicles.
6. Collection of tax.
7. Inspection of accident vehicles.
8. Promote Road Safety.
9. Rendering remedial services at the time of natural calamities like floods and cyclone, by way of arranging transport facilities
10. Rendering services at the time of Elections and Emergencies by way of arranging Transport facilities to the Police, Civil Supplies and other departments and also to the public.

Among these services only few are taken into considerations in this system making a definite premise in to develop the system.

## 2 Proposed System:

The system proposed is the electronic administration of transport department where the citizen can carry out all the entries online by registering as a citizen. The citizen is then permitted to apply for the services and also view the status of their vehicle registration, permit, insurance, tax ... etc details and then based on the validity the citizen can renew for the services as and when required.

The department officials are granted power by the higher officials in the department by providing login features and for each unique citizen number's request a password for all the apply and renewal part is generated making the effectiveness of service rendering efficient.

The designing of the forms reduces the huge quantum of the present transport service rendering forms based on their services and hence the redundancy data can be minimized.

The information queried during the registration phase allows the system to reduce its redundancy state and make the functionality of the system more comfortable and jurisdiction evolved and citizen centric.

### Proposed System – Advantages:

- Rendering Service of relevance by the department with speed on call from the citizen.
- Concept of middleman can be demolished.
- Administration of the department officials is made more effective and the monitoring system is efficient
- Facilitates the ease of communicating between the department and the citizen.
- The citizen himself can effectively monitor the current status of the citizen's current vehicle information.

## Electronic Administration of Transport Department

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- Reduces redundancy of data considerably
- Providing a web – run solution, facilitating the access of information any time and any where to the ease of the citizen
- Maintenance of the citizen's data is easy and effortless
- Cross checking of citizen information and the vehicle information can be done effectively.

Thus the system explores with relevance all the aspects of the citizen and their vehicle details providing an effective mechanism to deal with the department services with effectiveness.

### 3 User Characteristics:

This system has two kinds of users

- Citizen
- Department officials

#### User characteristics – Citizen:

The citizen characteristics is concerned with all the citizens where all the citizens are entitled to register as citizen number, which is self explanatory by its name – Citizen Number.

And the procedure to use the system has to be understood.

#### User characteristics – Department officials:

The user in department needs to identify the type of user one is before logging in. The users are classified based upon their level and powers delegated the login is performed. The users are classified as,

- Ministerial level user
- State level user
- District level user
- Division level user
- Executive unit head user

The user characteristics of the users from the ministerial level are to just login as users and provide powers to their subordinate users in state, district and division levels.

The user characteristics of the executive unit head are to provide the service and communicate with the citizen.

So the executive head needs to understand various issues corresponding to mails and rendering service check at the recreational end.

### **3. Programming Environment**

### 1 Hardware configuration:

The software can runs in the browser, which fetches data from the server, so the hardware configuration part is categorized as server side configuration and client side configuration.

The configuration of the server used in the company is,

#### Server Configuration

|                         |   |                            |
|-------------------------|---|----------------------------|
| <b>Processor</b>        | : | Pentium III                |
| <b>Main Memory</b>      | : | 256MB                      |
| <b>Secondary Memory</b> | : | 20 GB                      |
| <b>Ports</b>            | : | 2 Serial & 1 Parallel port |

The Operating system of the serve and the client are as follows

Server Operating System: Windows NT

Client Operating System: Windows 95

#### Client Configuration

|                         |   |                |
|-------------------------|---|----------------|
| <b>Processor</b>        | : | <b>Pentium</b> |
| <b>Main Memory</b>      | : | <b>32 MB</b>   |
| <b>Secondary Memory</b> | : | <b>10 GB</b>   |

The other features of the client configuration are all optional since the software requisites take care of most of the client descriptions

## 2 Description of software and the tools used – Reasons:

The system uses various tools and software to be developed,

|                        |          |  |
|------------------------|----------|--|
| <b>Netware</b>         | <b>:</b> | <b>Windows NT 4.0</b>                  |
| <b>Web Server</b>      | <b>:</b> | <b>Internet Information Server 4.0</b> |
| <b>Developing tool</b> | <b>:</b> | <b>Active Server Pages 3.0</b>         |
| <b>Script Language</b> | <b>:</b> | <b>Java Script 1.2</b>                 |
| <b>Database</b>        | <b>:</b> | <b>SQL Server 7.0</b>                  |
| <b>Design Language</b> | <b>:</b> | <b>Hypertext Markup Language 3.0</b>   |
| <b>Designing IDE</b>   | <b>:</b> | <b>MS FrontPage</b>                    |
| <b>IDE</b>             | <b>:</b> | <b>MS Visual InterDev 6.0</b>          |
| <b>Testing Tool</b>    | <b>:</b> | <b>SQL Query Analyzer</b>              |
| <b>Web Browser</b>     | <b>:</b> | <b>Internet Explorer 5.0</b>           |

The System being a web run and citizen centric one, the importance of having a technology compatible with the network is inevitable. To reach this state of flexibility a technology that is rippling waves in the field of e-commerce is Active Server Pages (ASP), which is a technology that uses objects to communicate with the HTTP

protocol. The objects of the ASP interact with the HTML tags to provide a very well compiled output that could run on the Internet.

### HTML:

Hypertext Markup Language (HTML) is a collection of platform independent styles (indicated by markup tags) that define the various components of World Wide Web (WWW) document. HTML documents are plain text files that can be created using any text editors.

An element is a fundamental component of the structure of a text document. Some examples are heads, tables, paragraphs and lists. To denote the various elements in a HTML document you should use tags. Some elements may include an attribute, which is additional information that is included inside the start tag. HTML is not case sensitive. The World Wide Web browsers support not all tags. If a browser does not support a tag, it will simply ignore it. For passing the value from client side to server side we use HTML forms tags. The form can contain interface elements such as text fields, buttons, checkboxes, radio buttons, and other forms elements that lets users to enter texts and make choices. Each interface element in the form must be defined with an appropriate tag. As well as user input elements, the form can contain other elements such as heading paragraphs, tables and so on.

When the form is displayed in a web browser, the user can fill it out by making choices and entering text using interface elements and then submit the form by clicking a submit button.

Forms uses two types of methods one is "post" and another is "get". We pass the value into ASP file using the Action method. The input values are taken into the ASP file for processing at the client side. The get method exhausts all the parameters taken from one page to another but the post method hides it, hence post method is used.

### JavaScript:

JavaScript could be used to perform some client side tasks such as validation and dynamic page content creation – one that would put the programming into HTML.

publishing. In addition to client side control developers desired, server side Java Scripts are also implemented.

Web page enhancement were the first real use of JavaScript. Another important item in JavaScript is to write certain features on to the document like time and date.

The database connections enhancing the features to the JavaScript allows developers to pull information directly from the database and better maintain user sessions.

- **Object Orientation of JavaScript**

JavaScript objects is a very important item if you plan on doing any in-depth programming. The understanding of how the parent object and the child object interacts and how they are referenced gives a better idea on the hierarchy of JavaScript objects

- **Modular Programming**

To program in a modular fashion in JavaScript, involves three key things.

1. Creating your own objects
2. Defining general functions to handle common tasks
3. Placing reusable code in external JavaScript source files

Programmers can also modulate their programming techniques by including their code in external JavaScript source files. This allows writing code once, storing it in a single location, and including it in many pages by simply referencing the location of the source file. If the function needs to change, they only have to change it in a single file.

- **Security**

JavaScript is interpreted most often within a browser's environment, a user can be subjected to malicious code. Browser's run off the operating system itself, meaning it has access to a user's file system. This makes it feasible that a JavaScript program could take advantage of a hole in the browser's security measures to access the file system.

- **Advantages of JavaScript**

- It is platform independent
- Both Netscape and Microsoft web servers have built in interpreters.
- Client side and server side versatility

### III ASP

ASP (Active Server Pages) is a Microsoft Technology. An Asp file can contain text, HTML, XML, and scripts. Scripts in an ASP file are executed on the server.

- **Advantages of ASP**

- Dynamically edit, change or add any content of a web page.
- Respond to user queries or data submitted from HTML forms.
- Access any data or database and return the results to a browser.
- Customize a web page to make it more useful for individual users.
- Provides security since the ASP code cannot be viewed from the browser.

- Since Asp files are returned as plain HTML, they can be viewed in any browser.

## ✓ Windows NT:

Windows NT is a 32 – bit preemptive multitasking operating system that belongs to the Microsoft windows family of operating system products.

- **Networking**

Windows NT server is enabled to work as a network operating system.

- **Reliability & Stability**

- Windows NT is more stable than all the other previous versions of windows.
- Windows NT is a complete, true Operating system in itself, not relying on DOS for lower level function.

- **Graphical User Interface**

- Windows NT is a 32-bit operating system with a graphical user interface

- **Portability and Flexibility**

- Windows NT can be portable on variety of platforms. Windows NT flexibility can be a great advantage when implementing a computer strategy for an organization.

- A wider variety of clients can serve as workstation on a windows NT network such as

- 1) Windows 3.x
- 2) Windows for workgroups
- 3) MS-DOS
- 4) Windows-95
- 5) Windows-NT Workstation.

- **Storage Space**

- Windows NT supports a virtually limitless amount of memory and hard disk space.
  - RAM: Windows-NT supports 4GB
  - Hard Disk Space: Windows-NT supports 16 hex bytes

## **SQL SERVER**

SQL server uses a type of database called a relational database. SQL Server supports a set feature that result in the following benefits:

- **Scalability:** The database engine can be used across platforms ranging from laptop computers running Microsoft Windows 95/98 to large, multiprocessor servers running Microsoft Windows Nt,Enterprise Edition.
- **System integration with other server software:** SQL Server integrates with e-mail, the Internet, and Windows.

## **INTERNET INFORMATION SERVER**

Microsoft Internet Information Server(IIS) is a web server that integrates to the Windows NT server. IIS allows to publish information on the web and to run multiple business applications. An important role of IIS is to link clients accessing the system through the Hypertext Transfer Protocol (HTTP) to the other Windows DNA (Distributed internet Application) services, such as DHTML, Asp, and so on.

## **4. System Design and Development**

## 1 DETAILED DESIGN

The system is developed in various modules. The following are the various modules of the project and their description.

- User interface Design
- Database Design
- Server Side Programming
- Web page Design

### USER INTERFACE DESIGN

#### Module Description:

- A module is mainly designed to provide user-friendly interface to the Citizen palette to view the service details of the vehicle.
- A module is designed to make the citizen apply for services and that is the Apply palette
- A module for the transaction palette where the department official monitors the applied form and services.
- A module is designed to automate a login-providing interface for the department higher officials to the lower end officials.
- A module is designed to administer the work done according to the schedule proposed by the higher end officials
- A module that provides the facility to modify the database for the payment form if the particulars are arrived exactly.
- This will provide a login screen to avoid access of unauthorized users.
- The specific user-friendly interface is designed to allow automated message sending to the citizen from the department.

## STORAGE DESIGN

### Module Description:

- This provides a database to the Transport department to maintain the details of the citizens and the service listings
- The database consists of tables with sufficient foreign keys and primary keys.
- The Check on the payment terms is maintained to proceed with the service.
- The security is given to the database depending on the role of the user

## SERVER SIDE PROGRAMMING

### Module Description:

- This module provides communication among server, database and the client
- The server program gets the request from the user in the form of HTML post request.
- The server side response object reflects to the client form of HTML page having the required information.
- The cross checking constraints among various tables are done in the server side program before insertions.
- The check on each and every onClick event is done to allow dynamic entries on the next HTML component

## WEB PAGE DESIGN

### Module Description:

- This provides an user interface to the remote Client for effective communication with the server over the web.
- The web page design basically counters various palettes like the citizen palette, Apply palette, Department palette and Transaction palette.
- The design on each of the apply forms are designed to be facilitated in the Apply palette
- The Palette provides a hyperlink to the payment page.
- The department login palette has hyperlinks to the various sections of department users.

## 2 INPUT DESIGN

The main objective of the input design is to make error free data entry.

Input design aims to reduce the errors in data processing that occurs because of inaccurate input data by providing a proper input design.

- Authenticated database access control is given to the administrator-authorized user to manipulate on the database
- Input Validation like
  - Valid entry for Numeric fields
  - Valid entry for text fields
  - Valid entry for the e-mail field
  - Over flowing of length of data is avoided
  - Avoiding same value entry for a key field
  - Avoiding empty strings

The inputs needed are:

### **User Interface module:**

This will have a username and password as user input and check for validity of password.

This module needs the citizen and vehicle details to be entered in the appropriate places as given in the screen.

This needs to select a particular link to process the form transaction over the desired service.

**Database Design module:**

The data from one user interface module are processed and stored in the database, for the display in other user interface modules.

**Server side programming module:**

This needs the requests from the clients as input and some events to happen before the response from the server arrives.

**Web page module:**

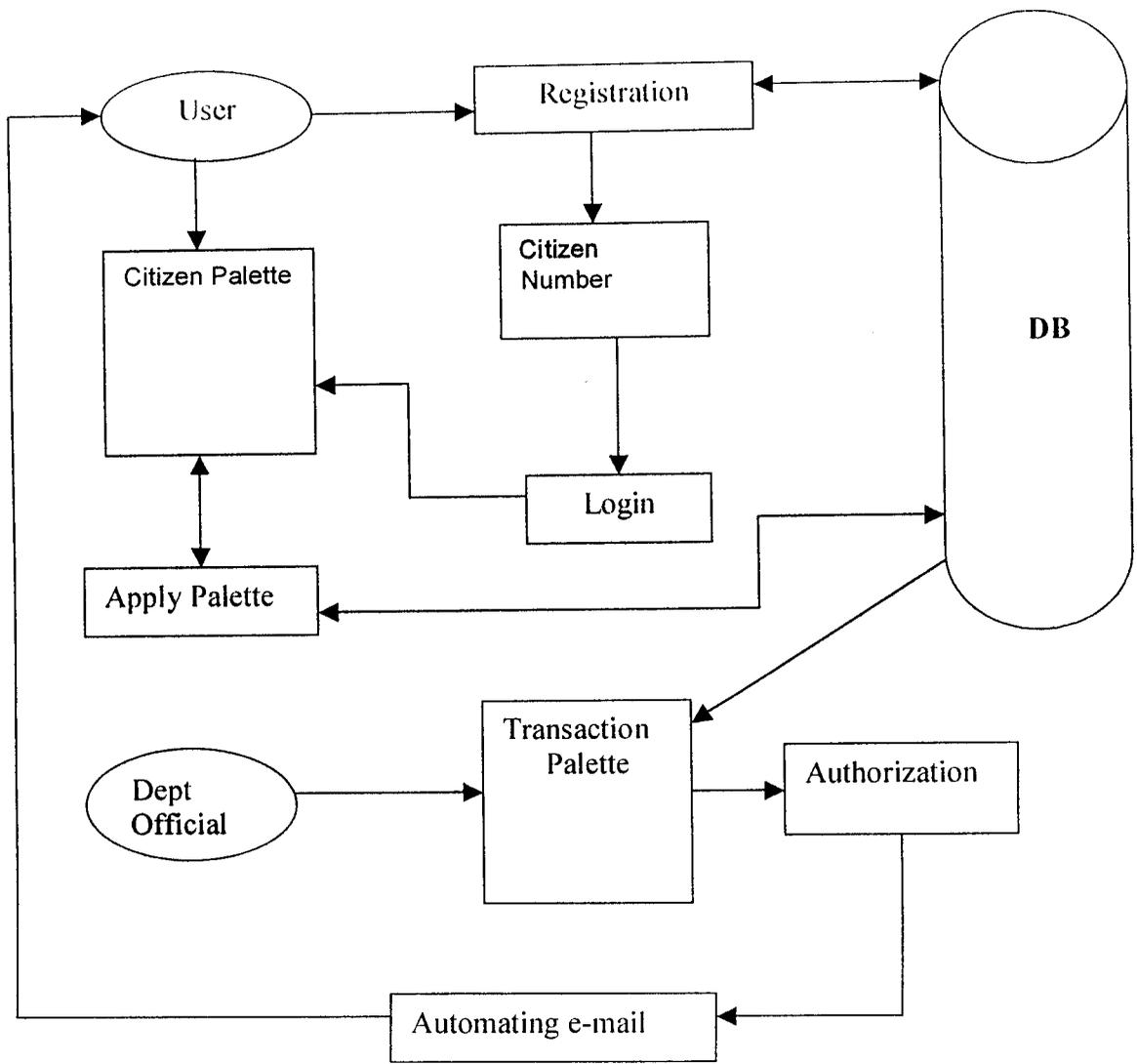
This provides input to the database based on the forms displayed, to get processed by the department side entities.

### 3 OUTPUT DESIGN

The Output design is a part of the system design, which includes,

- The system generates the form viewed by the department official for each service requisite made by the citizen.
- The output design of the service in the module of delivery service has a check with the payment to generate the status.

#### WORK FLOW DIAGRAM



## 4 DATABASE DESIGN

### 1. Table Name: I\_personal

| Field Name         | Data Type | Description |
|--------------------|-----------|-------------|
| cnno               | Int       | Primary key |
| firstname          | Varchar   |             |
| middlename         | Varchar   |             |
| lastname           | Varchar   |             |
| gender             | Varchar   |             |
| dateofbirth        | Varchar   |             |
| place              | Varchar   |             |
| fathename          | Varchar   |             |
| nativity           | Varchar   |             |
| number of vehicles | Varchar   |             |
| username           | Varchar   |             |
| password           | Varchar   |             |
| status             | Varchar   | Allow null  |

### 2. Table Name: I\_Address

| Field Name | Data Type | Description |
|------------|-----------|-------------|
| cnno       | Int       | primarykey  |
| present    | Varchar   |             |
| district   | Varchar   |             |
| division   | Varchar   |             |
| taluk      | Varchar   |             |
| pincode    | Varchar   |             |
| permenant  | Varchar   |             |
| telephone  | Varchar   | Allow null  |
| email      | Varchar   |             |
| status     | Varchar   | Allow null  |

### 3. Table Name: I\_fitness

| Field Name      | Data Type | Description |
|-----------------|-----------|-------------|
| cinno           | Int       | Primary key |
| idenlification1 | Varchar   |             |
| idenlification2 | Varchar   |             |
| sound           | Varchar   |             |
| epilepsy        | Varchar   |             |
| conciuousness   | Varchar   |             |

## Electronic Administration of Transport Department

|           |         |            |
|-----------|---------|------------|
| muscular  | Varchar |            |
| eye       | Varchar |            |
| object    | Varchar |            |
| blindness | Varchar |            |
| color     | Varchar |            |
| status    | Varchar | Allow null |

### 4. Table Name: I\_vehicleinfo

| Field Name    | Data Type | Description |
|---------------|-----------|-------------|
| I_cnno        | Int       | Primary key |
| I_sno         | Int       |             |
| I_v_class     | Varchar   |             |
| I_v_category  | Varchar   |             |
| I_v_number    | Varchar   |             |
| I_ins_company | Varchar   |             |
| I_insno       | Varchar   | Allow null  |
| I_permitno    | Varchar   |             |
| I_lifetaxno   | Varchar   |             |
| I_status      | Varchar   | Allow null  |

### 5. Table Name: I\_cnno

| Field Name | Data Type | Description |
|------------|-----------|-------------|
| cnno       | Int       |             |

### 6. Table Name: d\_registration

| Field Name       | Data Type | Description |
|------------------|-----------|-------------|
| D_cnno           | Int       | Foreign key |
| D_vehiclno       | Varchar   | Primary key |
| D_v_class        | Varchar   |             |
| D_sno            | Int       |             |
| D_type           | Varchar   |             |
| D_vehicle type   | Varchar   |             |
| D_maker          | Varchar   |             |
| D_manufacture    | Varchar   |             |
| D_cylinder       | Int       |             |
| D_hp             | Int       |             |
| D_cc             | Int       |             |
| D_classification | Varchar   |             |
| D_chasis         | Int       |             |

Electronic Administration of Transport Department

|                  |         |            |
|------------------|---------|------------|
| enginenno        | Int     |            |
| capacity         | Int     |            |
| fuel             | Varchar |            |
| unladen          | Varchar |            |
| previous         | Varchar |            |
| color            | Varchar |            |
| _front           | Varchar |            |
| _rear            | Varchar |            |
| _other           | Varchar | Allow null |
| _tandem          | Varchar | Allow null |
| _weightcertified | Varchar |            |
| _weightreg       | Varchar |            |
| _mfront          | Varchar | Allow null |
| _mrear           | Varchar | Allow null |
| _mother          | Varchar | Allow null |
| _mtandem         | Varchar | Allow null |
| _length          | Varchar | Allow null |
| _height          | Varchar | Allow null |
| _width           | Varchar | Allow null |
| _hang            | Varchar | Allow null |
| _body            | Varchar | Allow null |
| _uweight         | Varchar | Allow null |
| _desc            | Varchar | Allow null |
| _maxi            | Varchar | Allow null |
| _status          | Varchar |            |

**7. Table Name: d\_permit**

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| D_cnno      | Int       | Foreign key |
| D_vehiclno  | Varchar   | Primary key |
| D_permitno  | Varchar   |             |
| D_routeno   | Varchar   |             |
| D_validupto | Varchar   |             |
| D_status    | Varchar   |             |

**8. Table Name: d\_license**

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| D_cnno      | Int       | Primary key |
| D_lino      | Varchar   |             |
| D_v_class   | Varchar   |             |
| D_validupto | Varchar   |             |
| D_status    | varchar   |             |

**9. Table Name: d\_insurance**

| Field Name    | Data Type | Description |
|---------------|-----------|-------------|
| D_cnno        | Int       | Foreign key |
| D_vehiclno    | Varchar   | Primary key |
| D_insno       | Varchar   |             |
| D_ins_company | Varchar   |             |
| D_validupto   | Varchar   |             |
| D_status      | Varchar   |             |

**10. Table Name: d\_tax**

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| D_cnno      | Int       | Foreign key |
| D_vehiclno  | Varchar   | Primary key |
| D_taxno     | Varchar   |             |
| D_validupto | Varchar   |             |
| D_status    | Varchar   |             |

**11. Table Name: d\_endorsement**

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| D_cnno      | Int       | Foreign key |
| D_vehiclno  | Varchar   | Primary key |
| D_finance   | Varchar   |             |
| D_endorseno | Varchar   |             |
| D_validupto | Varchar   |             |
| D_status    | Varchar   |             |

**12. Table Name: c\_check**

| Field Name | Data Type | Description |
|------------|-----------|-------------|
| C_cnno     | Int       | Foreign key |
| C_vehiclno | Varchar   |             |
| C_service  | Varchar   |             |
| C_codeword | Varchar   | Primary key |
| C_status   | Varchar   |             |

Electronic Administration of Transport Department

3. Table Name: e\_codeword

| Field Name | Data Type | Description |
|------------|-----------|-------------|
| codeword   | Int       |             |

4. Table Name: a\_driving\_apply

| Field Name     | Data Type | Description |
|----------------|-----------|-------------|
| A_cnno         | Int       | Primary key |
| A_v_class      | Varchar   |             |
| A_llrno        | Varchar   |             |
| A_authority    | Varchar   |             |
| A_disqualified | Varchar   |             |
| A_disdate      | Varchar   |             |
| A_disauthority | Varchar   |             |
| A_reason       | Varchar   |             |
| A_applydate    | Varchar   |             |
| A_status       | Varchar   |             |

15. Table Name: a\_driving\_ren

| Field Name      | Data Type | Description |
|-----------------|-----------|-------------|
| A_cnno          | Int       | Primary key |
| A_v_class       | Varchar   |             |
| A_prev_lno      | Varchar   |             |
| A_reasons       | Varchar   |             |
| A_prev_validity | Varchar   |             |
| A_applydate     | Varchar   |             |
| A_status        | Varchar   |             |

16. Table Name: a\_LL\_R\_apply

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| A_cnno      | Int       | Primary key |
| A_v_class   | Varchar   |             |
| A_time      | Varchar   |             |
| A_applydate | Varchar   |             |
| A_status    | Varchar   |             |

17. **Table Name:** a\_transfer\_apply

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| A_cnno      | Int       | Foreign key |
| A_vehiclno  | Varchar   | Primary key |
| A_v_class   | Varchar   |             |
| A_prev_cnno | Varchar   |             |
| A_applydate | Varchar   |             |
| A_status    | Varchar   |             |

18. **Table Name:** a\_permit\_apply

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| A_cnno      | Int       | Foreign key |
| A_v_class   | Varchar   |             |
| A_vehiclno  | Varchar   | Primary key |
| A_routeno   | Varchar   |             |
| A_applydate | Varchar   |             |
| A_status    | Varchar   |             |

19. **Table Name:** a\_permit\_ren

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| A_cnno      | Int       | Foreign key |
| A_v_class   | Varchar   |             |
| A_vehiclno  | Varchar   |             |
| A_permitno  | Varchar   | Primary key |
| A_v_routeno | Varchar   |             |
| A_v_reason  | Varchar   |             |
| A_applydate | Varchar   |             |
| A_status    | Varchar   |             |

20. **Table Name:** a\_endorsement\_ren

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| A_cnno      | Int       | Foreign key |
| A_v_class   | Varchar   |             |
| A_vehiclno  | Varchar   | Primary key |
| A_v_finance | Varchar   |             |
| A_endorseno | Varchar   |             |
| A_applydate | Varchar   |             |
| A_status    | Varchar   |             |

1. Table Name: a\_insurance\_ren

| Field Name   | Data Type | Description |
|--------------|-----------|-------------|
| A_cnno       | Int       | Foreign key |
| A_v_class    | Varchar   |             |
| A_vehiclno   | Varchar   | Primary key |
| A_v_company  | Varchar   |             |
| A_policyno   | Varchar   |             |
| A_valid upto | Varchar   |             |
| A_status     | Varchar   |             |

2. Table Name: a\_registration\_apply

| Field Name       | Data Type | Description |
|------------------|-----------|-------------|
| A_cnno           | Int       | Foreign key |
| A_vehiclno       | Varchar   | Primary key |
| A_v_class        | Varchar   |             |
| A_vehicle type   | Varchar   |             |
| A_maker          | Varchar   |             |
| A_manufacture    | Varchar   |             |
| A_cylinder       | Int       |             |
| A_hp             | Int       |             |
| A_cc             | Int       |             |
| A_classification | Varchar   |             |
| A_chasis         | Int       |             |
| A_engineno       | Int       |             |
| A_capacity       | Int       |             |
| A_fuel           | Varchar   |             |
| A_unladen        | Varchar   |             |
| D_previous       | Varchar   |             |
| A_color          | Varchar   |             |
| A_front          | Varchar   |             |
| A_rear           | Varchar   |             |
| A_other          | Varchar   | Allow null  |
| A_tandem         | Varchar   | Allow null  |
| A_mfront         | Varchar   | Allow null  |
| A_mrear          | Varchar   | Allow null  |
| A_mother         | Varchar   | Allow null  |
| A_mtandem        | Varchar   | Allow null  |
| A_length         | Varchar   | Allow null  |
| A_height         | Varchar   | Allow null  |
| A_width          | Varchar   | Allow null  |

Electronic Administration of Transport Department

|           |         |            |
|-----------|---------|------------|
| A_hang    | Varchar | Allow null |
| A_body    | Varchar | Allow null |
| A_uweight | Varchar | Allow null |
| A_desc    | Varchar | Allow null |
| A_maxi    | Varchar | Allow null |
| A_status  | Varchar |            |

**23. Table Name: f\_secretariat**

| Field Name | Data Type | Description |
|------------|-----------|-------------|
| F_username | Varchar   |             |
| F_password | Varchar   |             |

**24. Table Name: f\_statehead**

| Field Name | Data Type | Description |
|------------|-----------|-------------|
| F_stheadno | Int       | Primary key |
| F_username | Varchar   |             |
| F_password | Varchar   |             |
| f_status   | Varchar   |             |

**25. Table Name: f\_districthead**

| Field Name  | Data Type | Description |
|-------------|-----------|-------------|
| F_username  | Varchar   |             |
| F_password  | Varchar   |             |
| F_distictno | Varchar   |             |
| F_dtheadno  | Int       | Primary key |
| F_status    | Varchar   |             |

**26. Table Name: f\_districts**

| Field Name     | Data Type | Description |
|----------------|-----------|-------------|
| F_districtno   | Int       | Primary key |
| F_districtname | Varchar   |             |

**27. Table Name: f\_divisionhead**

| Field Name   | Data Type | Description |
|--------------|-----------|-------------|
| F_divisionno | Int       | Primary key |
| F_username   | Varchar   |             |
| F_password   | Int       | Foreign key |

**28. Table Name: f\_divisions**

| Field Name     | Data Type | Description |
|----------------|-----------|-------------|
| F_divisionno   | Int       | Primary key |
| F_divisionname | Varchar   |             |
| F_districtno   | Varchar   | Foreign key |

**29. Table Name: f\_talukhead**

| Field Name | Data Type | Description |
|------------|-----------|-------------|
| F_username | Varchar   |             |
| F_password | Varchar   |             |
| A_talukno  | Int       | Primary key |

**30. Table Name: f\_taluks**

| Field Name   | Data Type | Description |
|--------------|-----------|-------------|
| F_talukno    | Int       | Primary key |
| F_talukname  | Varchar   |             |
| F_divisionno | Int       | Foreign key |
| F_districtno | Int       |             |

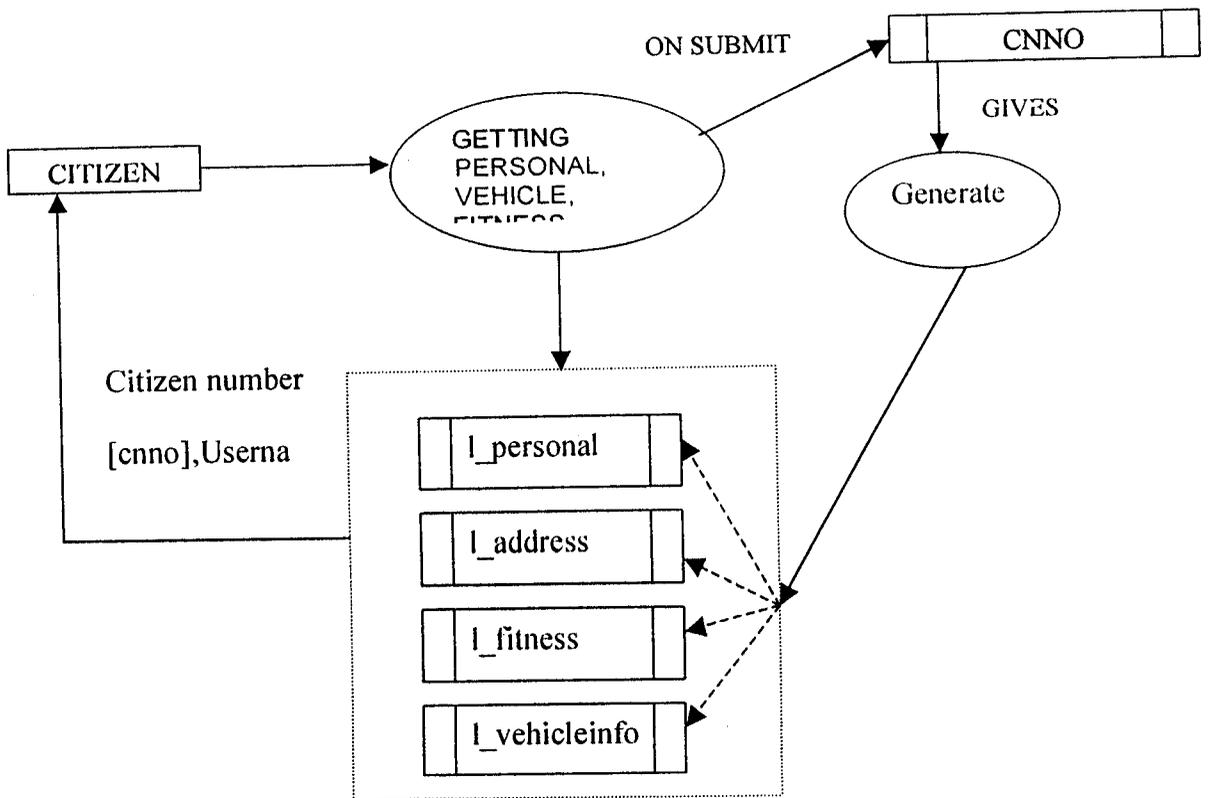
**31. Table Name: f\_payment**

| <b>Field Name</b> | <b>Data Type</b> | <b>Description</b> |
|-------------------|------------------|--------------------|
| F_cnno            | Int              | Not null           |
| F_paymentfor      | Varchar          | Not null           |
| F_vehicleno       | Varchar          | Allow null         |
| F_mode            | Varchar          | Not null           |
| F_number          | Varchar          |                    |
| F_dated           | Varchar          |                    |
| F_bank            | Varchar          |                    |
| F_location        | Varchar          |                    |
| F_cardno          | Varchar          |                    |
| F_cardname        | Varchar          |                    |
| F_validupto       | Varchar          |                    |

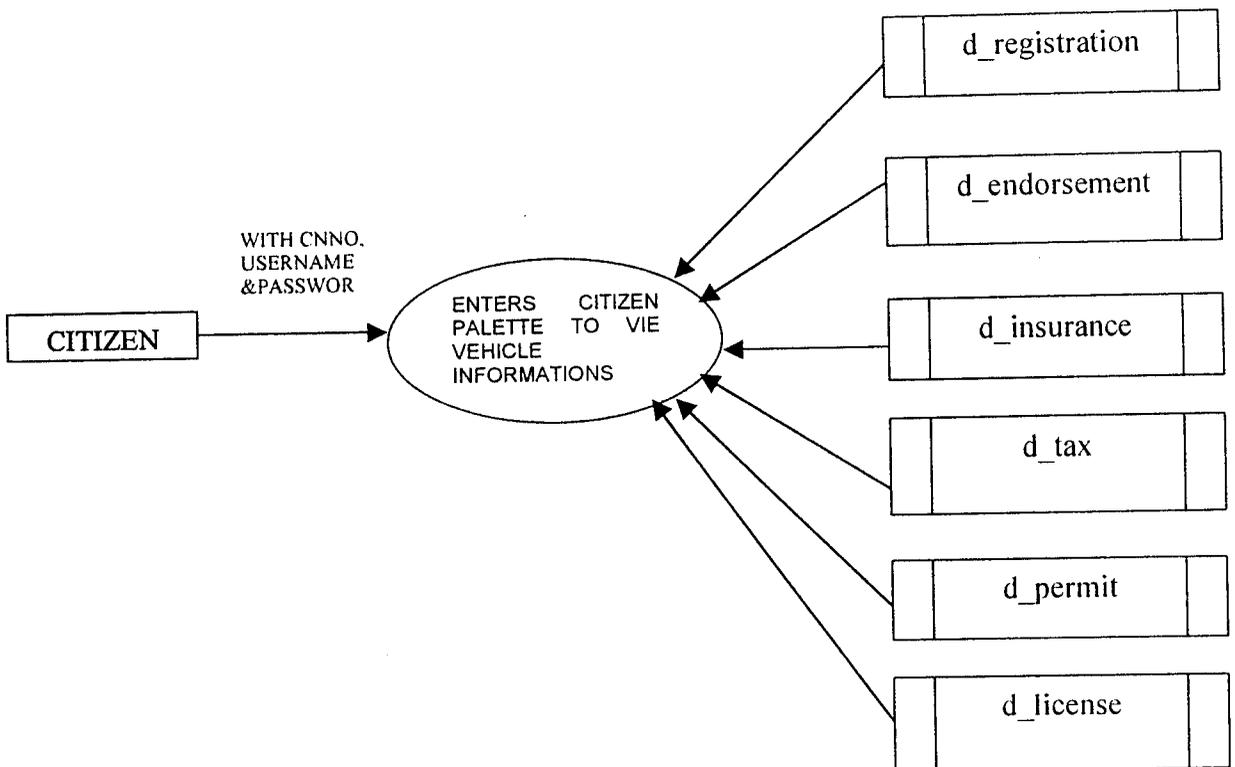
5 Process Design:

Data Flow Diagrams

*LOGIN FLOW:*

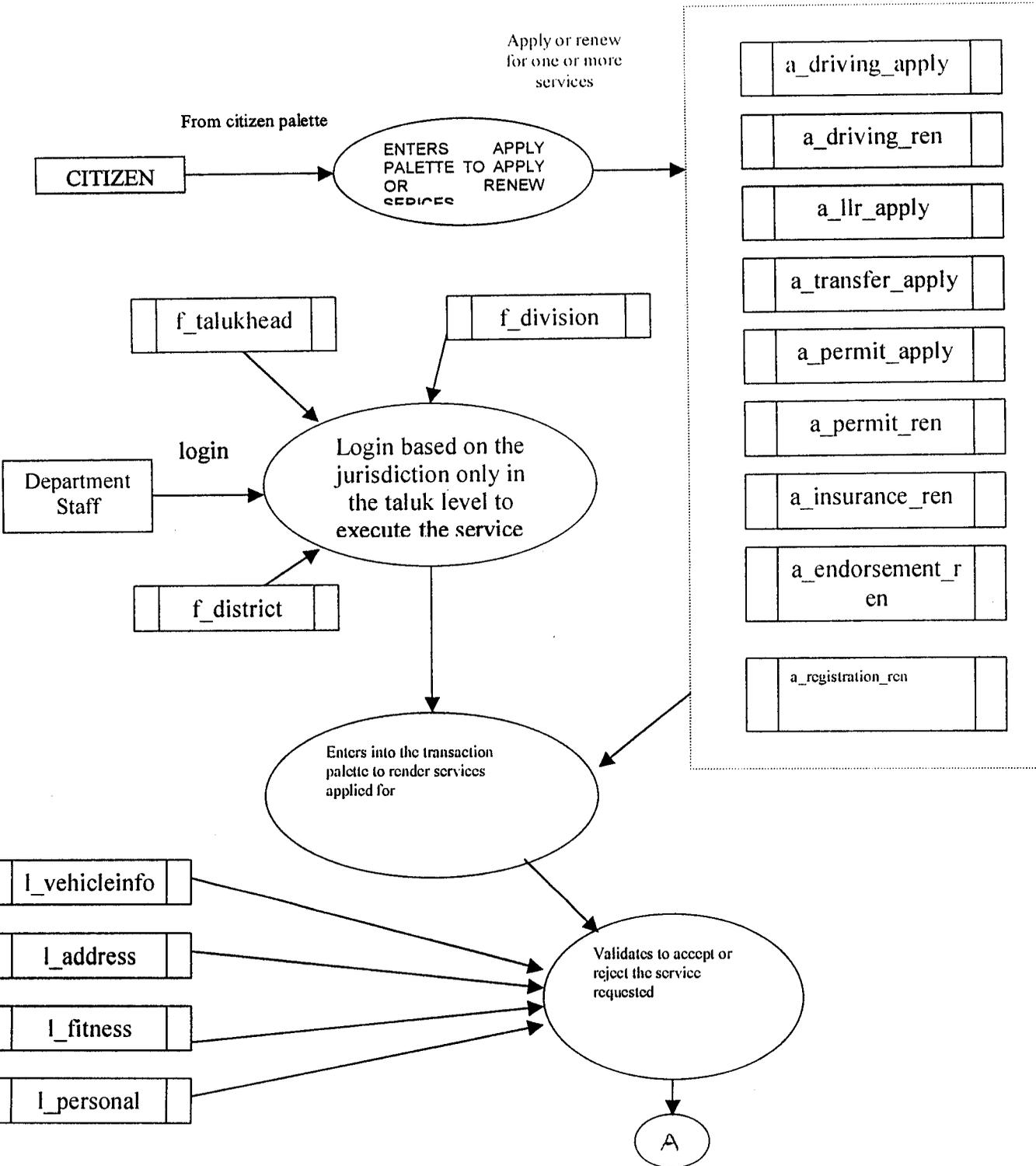


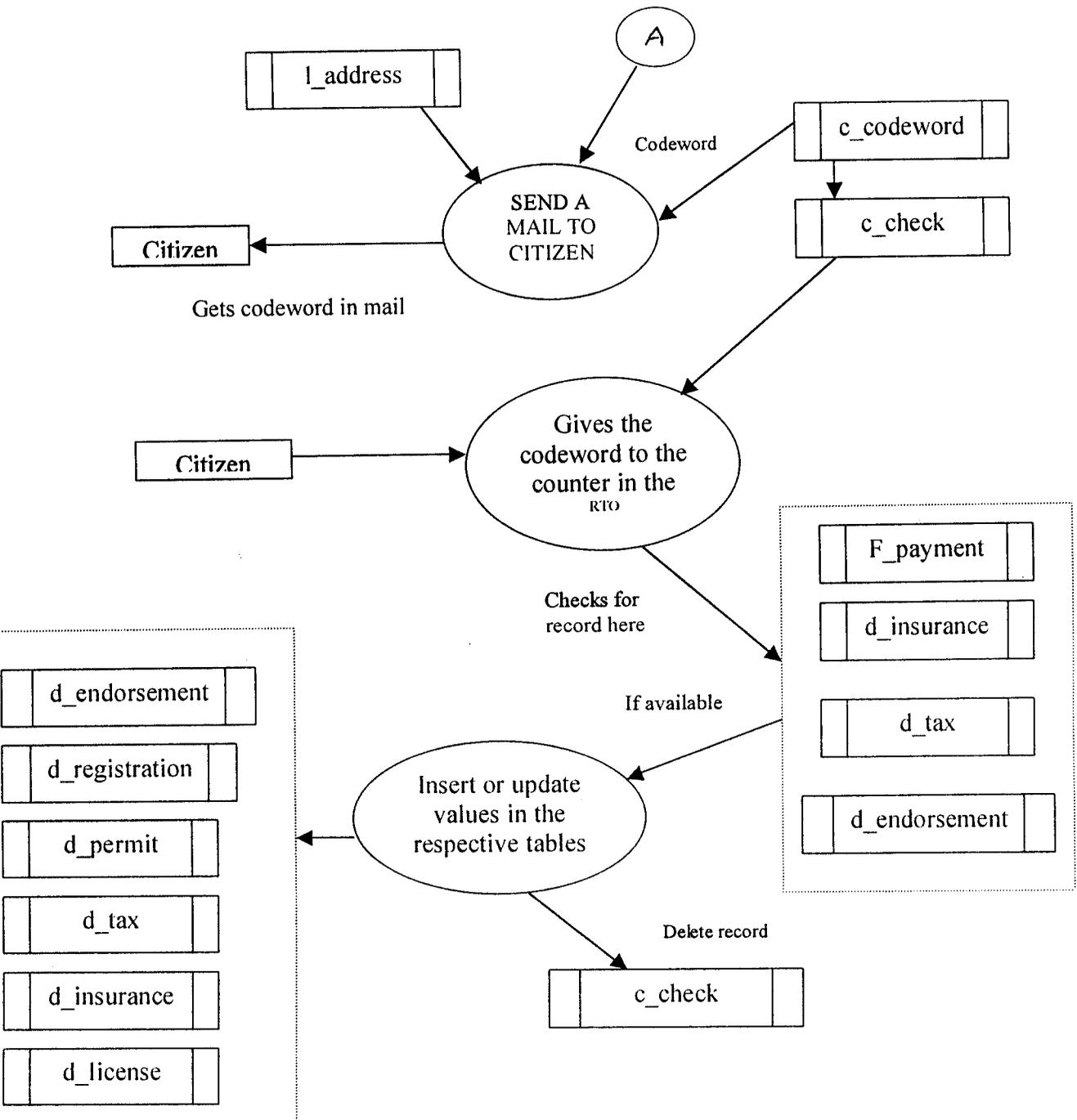
### VIEWING INFORMATION IN CITIZEN PALETTE:



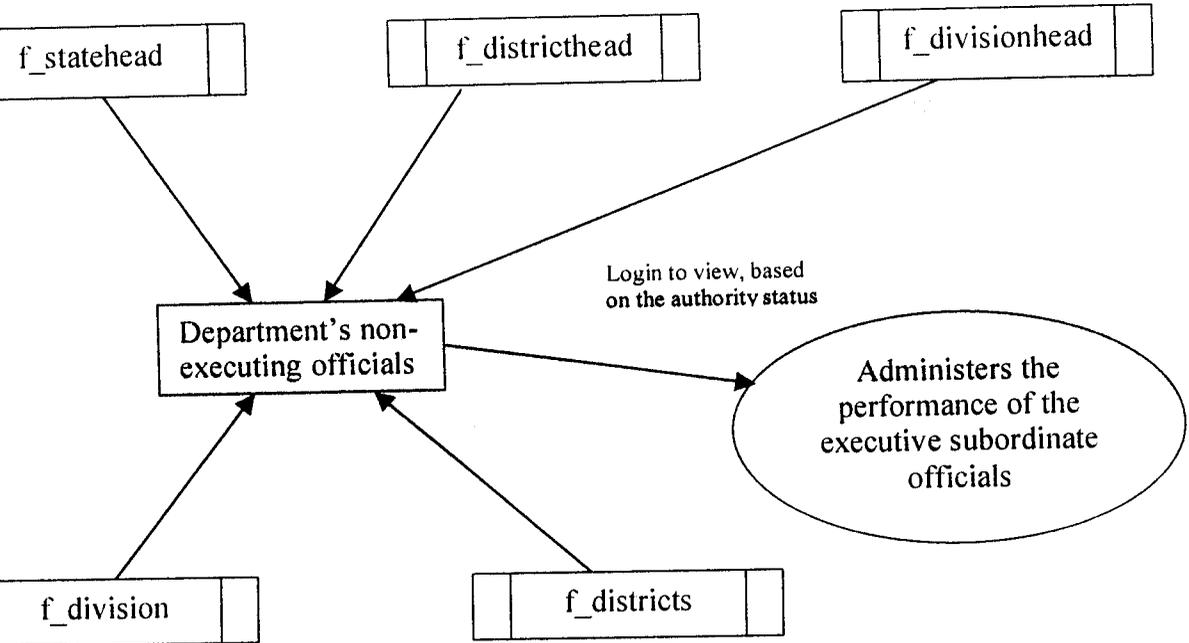
TRANSACTION FLOW:

In any of the tables one or more





**ADMINISTRATION FLOW:**



## **5. System Implementation and Testing**

## 5.1 System Implementation

The Success of the system lies in the methodologies that are adopted during the system design. System development can be done either by

- Developing an new System
- Modifying an existing system

The system is broken into sub procedures for ease of use. The inputs and outputs for all sub procedures are properly defined. The top down approach of development was followed for the construction of this system.

The theoretical design is turned into a working system in system implementation. It involves,

- Investigation of the current system and its constraints
- Planning
- Implementing the new system
- Testing for errors for every subsystem

Implementation consists of

- Implementing the necessities of user needs.
- Hardware and software needs are implemented
- Checking errors
- Check the flow of data in the required format

## 5.2 Testing

Testing is an important process, which leads to the success of the system. System testing is mainly performed in the intention of finding errors to give the client an error free system. System testing makes a logical assumption that all parts of the system are correct and move towards it to make the system error free.

Inadequate testing of the system will lead to errors, which even can rise after long time of system implementation. The purpose of the system testing is to consider all the likely variation and push the system to its limits and achieve the result.

The processing of the testing proceeds as follows:

- **Unit Testing**

- Each and every program units are tested, which is known as unit testing.
- In the system, unit testing is performed every page or file thereby monitoring the flow of data from page to page.
- The testing is proceeded with an effort of adding the modular programs to the file or page.

- **Series Testing**

- Series testing is performed by checking the logic of the query designed.

- The bound queries are also tested in this testing.
- The testing is performed on the database to check the load accepting capacity of the database.

- **Integration Testing**

- Integration is the process of linking various modules. As the individual modules have to be integrated, a thorough checking has to be done on integration system also. Few modules of system are linked and carried out with the integration testing. All the possible data has been given and tested. One area for this integration testing is discussed below.
- One instance of the modules integration is the area where the parameters and the values that has to be transferred are analyzed. From the Apply palette to the transaction palette the values of the citizen number has to be precisely sent.

- **System Testing**

- System testing is done to test the entire software in a simulated environment and in the realistic environment. It is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently before the operation commences. Thus the system test in implementation should be a confirmation that everything is correct and an opportunity to show the users that the system works.

### **5.3 REFINEMENTS BASED ON FEEDBACK**

Refinements based on the feed back of the users are done to the system. The refinements like

- Missing errors are corrected when the user sends a feed back on it.
- Interface design is altered based on the feedback of the user.

## **6. Conclusion**

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## CONCLUSION

The project Electronic Administration of Transport Department is a web-based solution for providing services to the citizen from the transport department. This institutes an effective system for delegation of power down to the grass-root level from Secretary of Transport Department at the apex to the Break Inspector at the Taluk level without diluting control and intervention discretion.

This project was done exclusively for **BONASOFT** to fulfill their requirements in developing an electronically govern project called Social Security System.

This project provides features like,

- An Interface is provides to the citizen to view the details of their vehicle
- An effective means of granting and receiving services through the transport department
- Instituting automated communication between citizen and the RTO
- User Friendly interface for clients to access the system

## **7. Scope For Future Development**

### **SCOPE FOR FUTURE DEVELOPMENT**

Any System developed now is becoming obsolete by the next few days. The system is designed in a manner that any future enhancement required by the organization can be easily updated without going for a new system.

- Any advanced level of encryption can be done to store and retrieve data.
- An enhancement towards tracing the past details of the vehicle and the citizen can be done.
- Advancement in providing an electronic delivery of documents can be made.
- Provision for good authorization in terms of digital signature can be provided.
- The database handling can be made more aggressively and effectively to maintain entire gamut of data.

## **8. Bibliography**

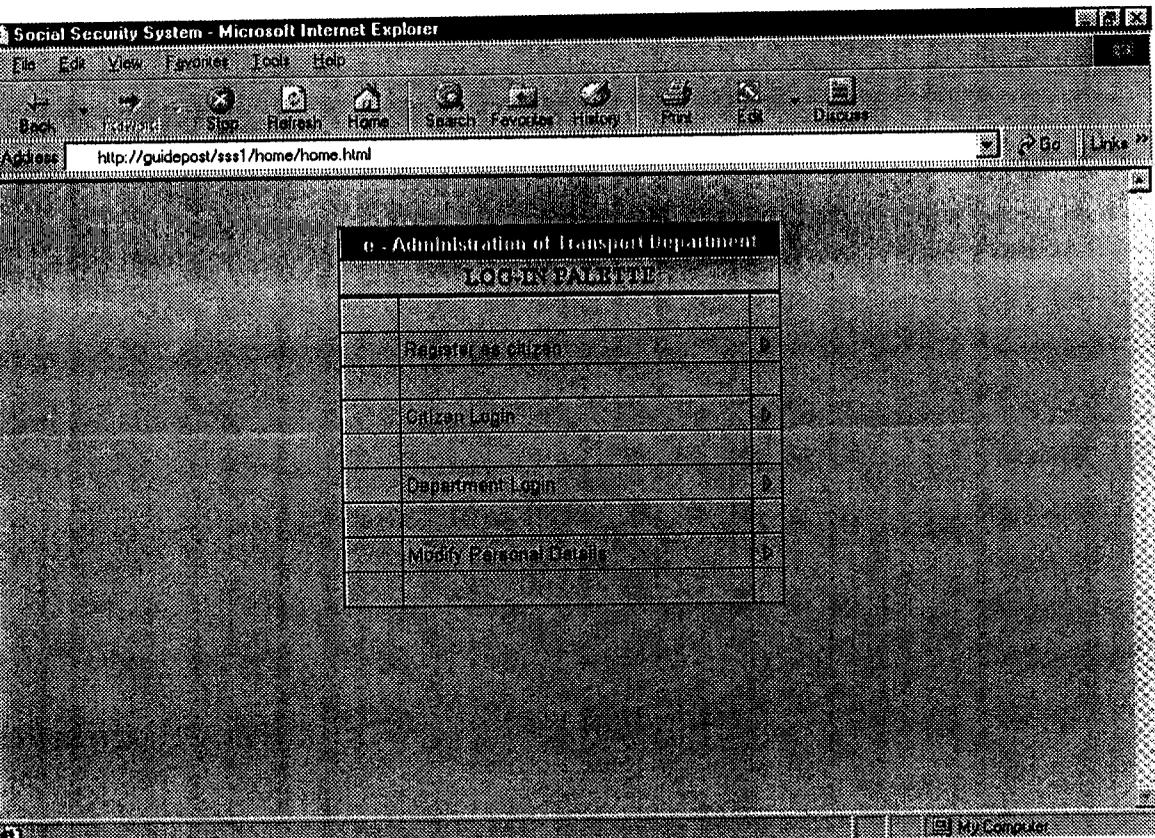
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## **9. Appendices**

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This is the menu page, which leads to major areas of the system. This is the first page of the system.

Social Security System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Print Edit Discuss

Address http://guidepost/sss1/home/reg.asp

### Registration As Citizen

Page 1

|                           |                 |
|---------------------------|-----------------|
| First Name                | Athiq           |
| Middle Name               | Ahmed           |
| Last Name                 | S               |
| Gender                    | Male            |
| Date of Birth             | 06 JUN 1979     |
| Place of Birth            | Coimbatore      |
| Fathers / Guardian's Name | Shabudeen Ahmed |
| Nativity                  | Coimbatore      |
| Number of vehicles        | 1               |
| User Name                 | athiq           |
| Password                  |                 |

Next

Print on page My Computer

This page appears upon clicking the register as citizen menu. The screen after filling takes to the screen below.

Registration Form  
Page 2

|                   |                     |
|-------------------|---------------------|
| Present Address   | 2, Annai sathya nag |
| District          | Coimbatore          |
| Division          | Coimbatore          |
| Taluk             | Coimbatore north    |
| Pin code          | 641045              |
| Permanent Address | 2, Annai sathya nag |
| Telephone Number  | 313177              |
| Email             | sathiq@yahoo.com    |

This continues the registration phase gathering information about the Address part of the citizen.

Social Security System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Print Edit Diskette

Address http://guidepost/sss1/home/reg2.asp

**Physical Fitness**

Page 3

|  |                                      |                                     |
|--|--------------------------------------|-------------------------------------|
| <b>Identification Marks</b>                              | One                                  | A mole on the right                 |
|  | Two                                  | A mole on the left e                |
| <b>Eye Sight</b>   |                                      |                                     |
| a) Able to distinguish with each eye                     | <input checked="" type="radio"/> Yes | <input type="radio"/> No            |
| b) Able to view an object at a distance of 25 meters     | <input checked="" type="radio"/> Yes | <input type="radio"/> No            |
| c) Suffer from Night Blindness                           | <input type="radio"/> Yes            | <input checked="" type="radio"/> No |
| d) Able to distinguish pigment colors                    | <input checked="" type="radio"/> Yes | <input type="radio"/> No            |
| <b>General Fitness</b>                                   |                                      |                                     |
| Able to hear normal sound signals                        | <input checked="" type="radio"/> Yes | <input type="radio"/> No            |
| Do you suffer from epilepsy                              | <input type="radio"/> Yes            | <input checked="" type="radio"/> No |
| Do you suffer from attacks of consciousness or giddiness | <input type="radio"/> Yes            | <input checked="" type="radio"/> No |
| Do you suffer from defects of muscular power of arm/leg  | <input type="radio"/> Yes            | <input checked="" type="radio"/> No |
| <input type="button" value="Next"/>                      |                                      |                                     |

Done

My Computer

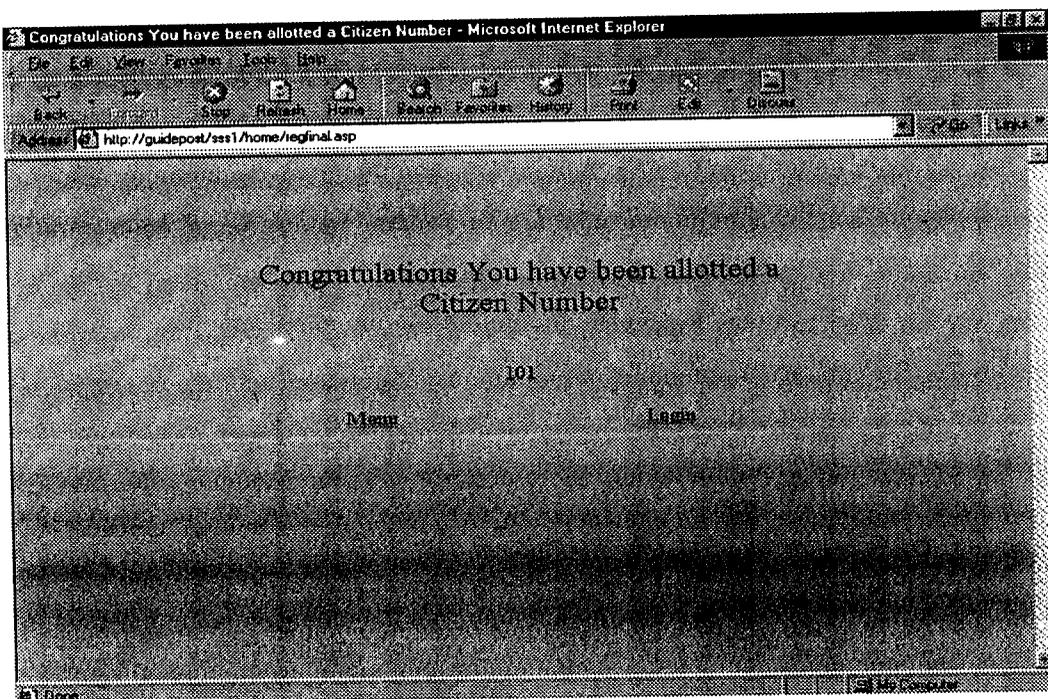
This continues the registration phase gathering information about the fitness details of the citizen.

The screenshot shows a Microsoft Internet Explorer browser window titled "Social Security System - Microsoft Internet Explorer". The address bar contains the URL "http://guidepost/sss1/home/vehicle.asp". The main content area displays a form titled "Vehicle 1" with the following fields and values:

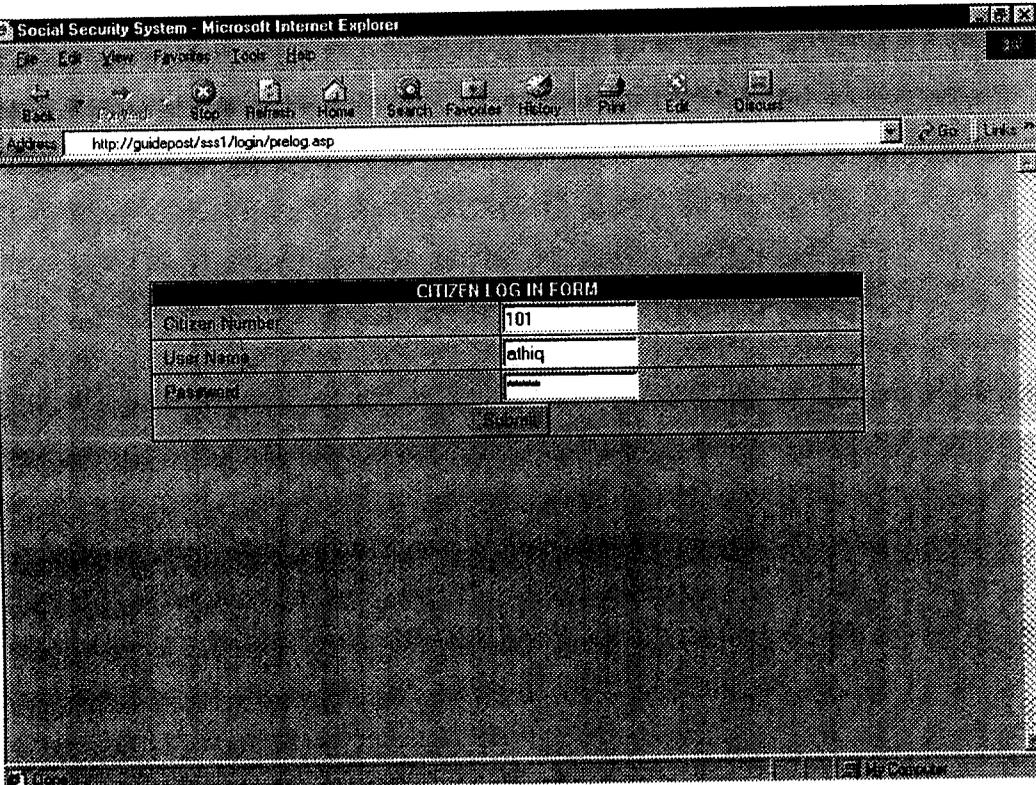
|                              |                       |
|------------------------------|-----------------------|
| Vehicle Type                 | Two wheeler with gear |
| Vehicle Category             | Two Wheeler           |
| Vehicle Number               | TDF6792               |
| Vehicle Insured Company Name | LIC                   |
| Insurance Number             | 56236462              |
| Permit Number                | 8469994               |
| Vehicle's Life tax Number    | 5466232               |

At the bottom of the form, there is a "Save" button. The browser's status bar at the bottom indicates "MP Computer".

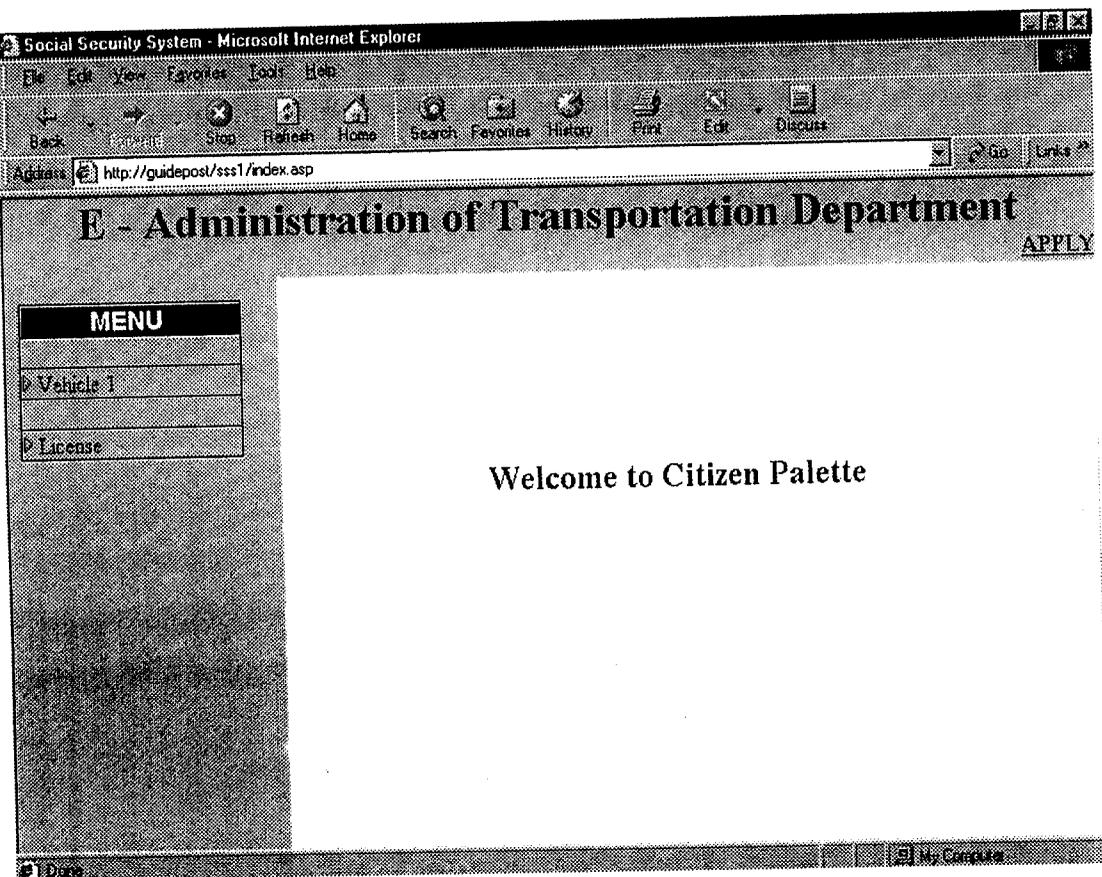
After all the above screens are entered, by the citizens a citizen number is generated which is unique. The values from the above forms stored in the temporary tables till the citizen number is generated. Then all the values are stored in their corresponding tables.



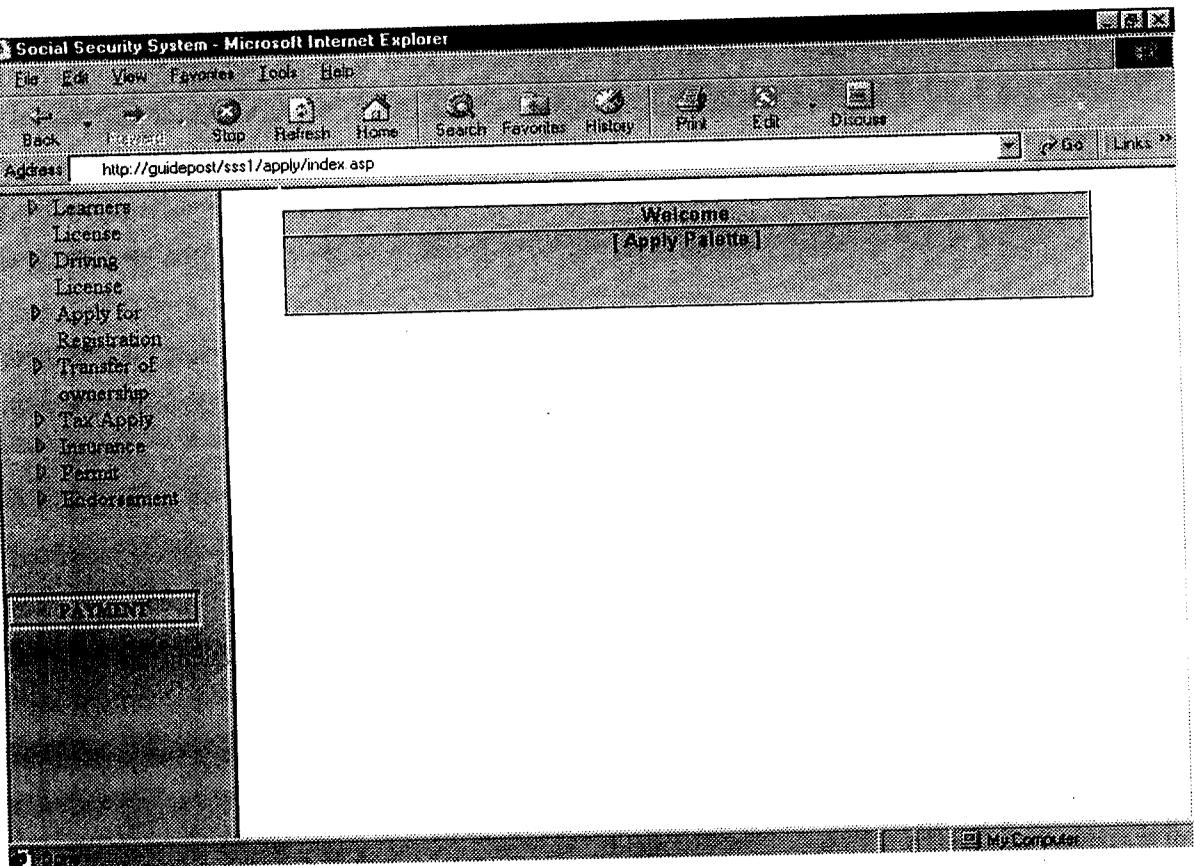
This is how the Citizen Number is generated to the Citizen.



This is the Login from that leads to the Citizen Palette.



This citizen palette is a one with which, the citizen will view to know all the details about the vehicle and license details. All the information relevant to the registration, vehicle endorsement, vehicle insurance, vehicle tax, vehicle permit, vehicle license and LLR are viewed.



This Apply palette is a palette from which the user is allowed to apply for the services and pay for each of their applied services. This has its link from the citizen palette.

Social Security System - Microsoft Internet Explorer

Address: <http://guidepost/sss1/apply/index.asp>

Apply for Vehicle Registration

|  |                       |
|--|-----------------------|
| Vehicle Class  | Two wheeler with gear |
| Vehicle Type   | New Vehicle           |
| Make's Name  | TVS                   |
| Month and Year of Manufacture                              | March 2002            |
| Number of Cylinders  | 2                     |
| Horse Power  | 100                   |
| Cubic Capacity   | 100                   |
| Make's Classification                                      | Victor                |
| Chassis Number   | 345990561             |
| Engine Number  | 534623994             |
| Seating Capacity (including Driver)                        | 2                     |
| Fuel used in the engine                                    | petrol                |
| Unladen Weight   | 60                    |
| Particulars of previous registration and registered number |                       |
| Color of body, wings and foor and                          | red                   |
| Number, description and size of tyre                       |                       |

**PAYMENT**

- License
- Apply for Registration
- Transfer of ownership
- Tax Apply
- Insurance
- Permit
- Endorsement

This is the phase when application for the vehicle registration is done through the system from the Apply palette.

Social Security System - Microsoft Internet Explorer

File Edit View Favorites Go Back Stop Reload Home Search Favorites History Print Exit Discuss

Address http://guidepost/sss1/apply1/payment.asp

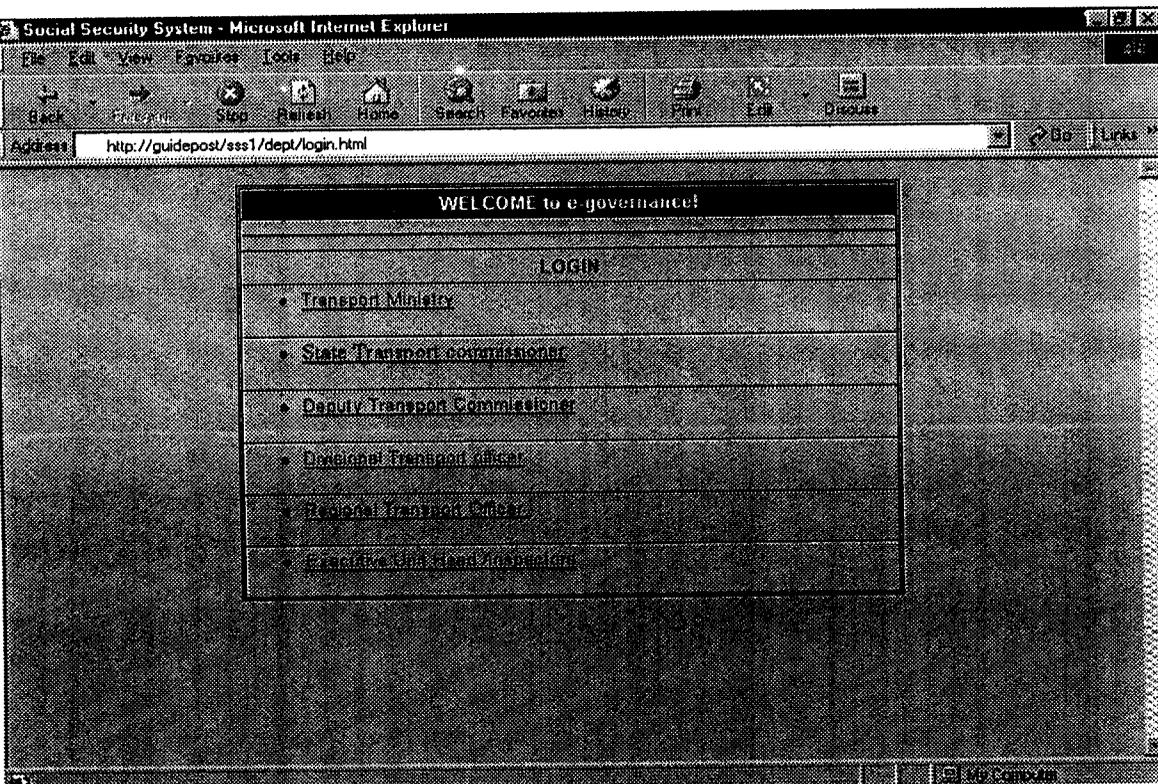
### PAYMENT FORM

|                                    |                        |
|------------------------------------|------------------------|
| Citizen Number                     | 101                    |
| Payment for                        | Apply for Registration |
| Vehicle Registration Number        |                        |
| Sum                                | Rs. 1000               |
| <b>Demand Draft</b>                |                        |
| Amount                             | 5623613146             |
| Date (dd/mm/yyyy)                  | 12-03-2002             |
| Bank Branch                        | SBI-Main               |
| Location                           | Race course            |
| <input type="button" value="PAY"/> |                        |

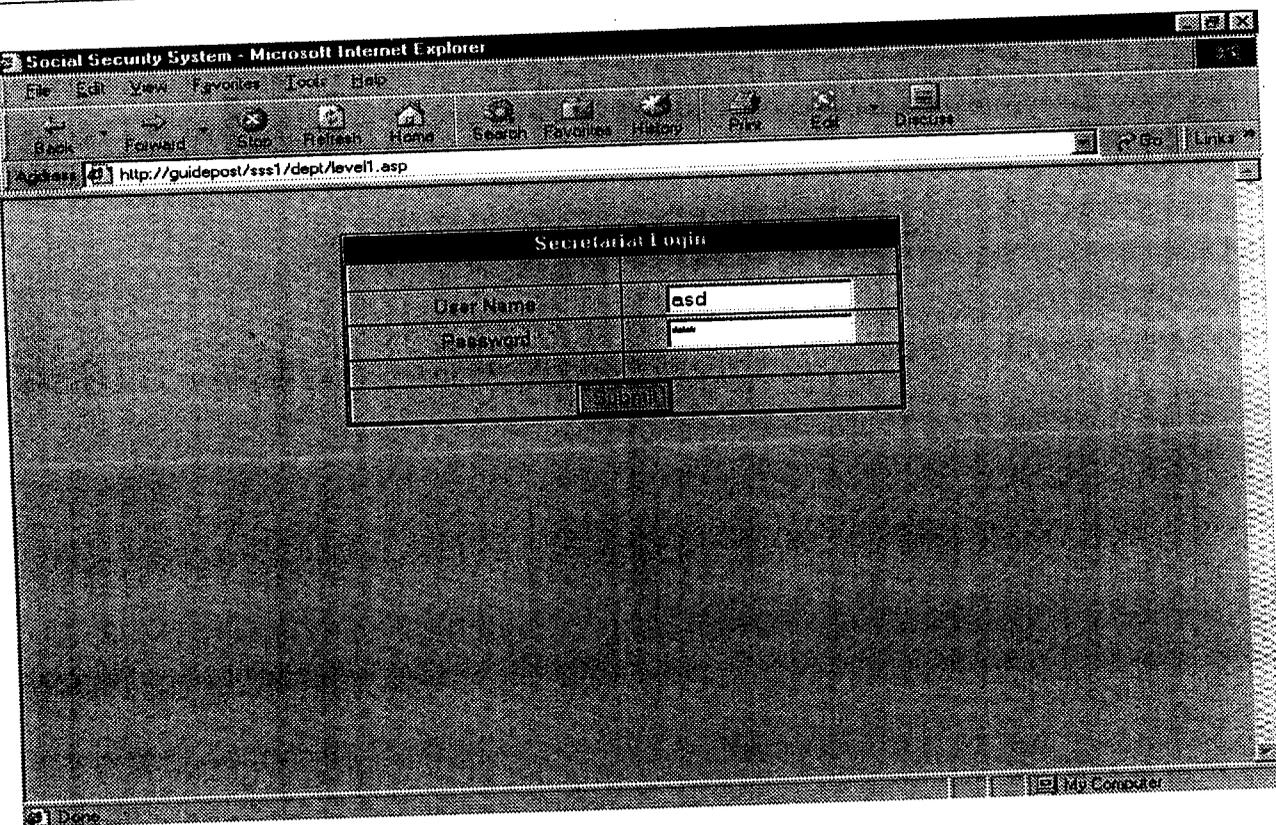
Disc

By Computer

This is the view of the payment done for the service requested, here the payment is done through DD.

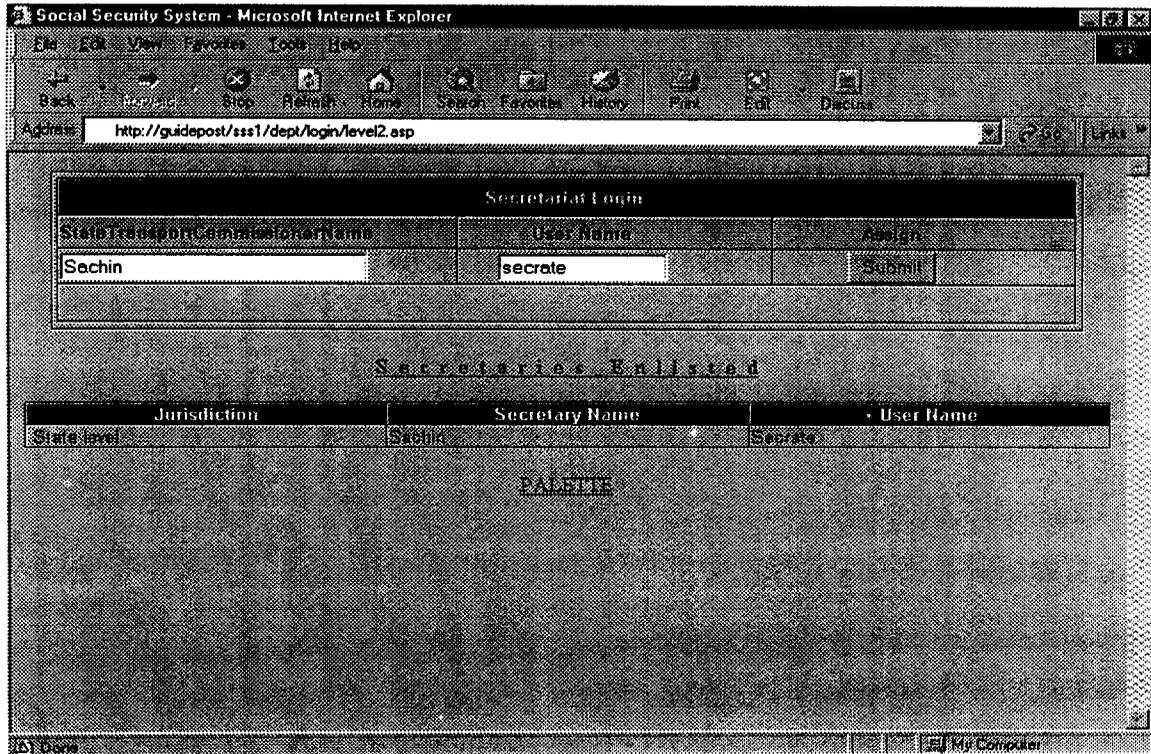


This is the login palette for the department officials where officials at each cadre are given the permission to login in their respective jurisdiction. This becomes the main palette for the officials to interact with the system.



This secretariat login is a login given to the ministerial level members who would govern the entire transport department. He in turn will give login to the transport commissioner. And the provision for these people to change the password is also provided.

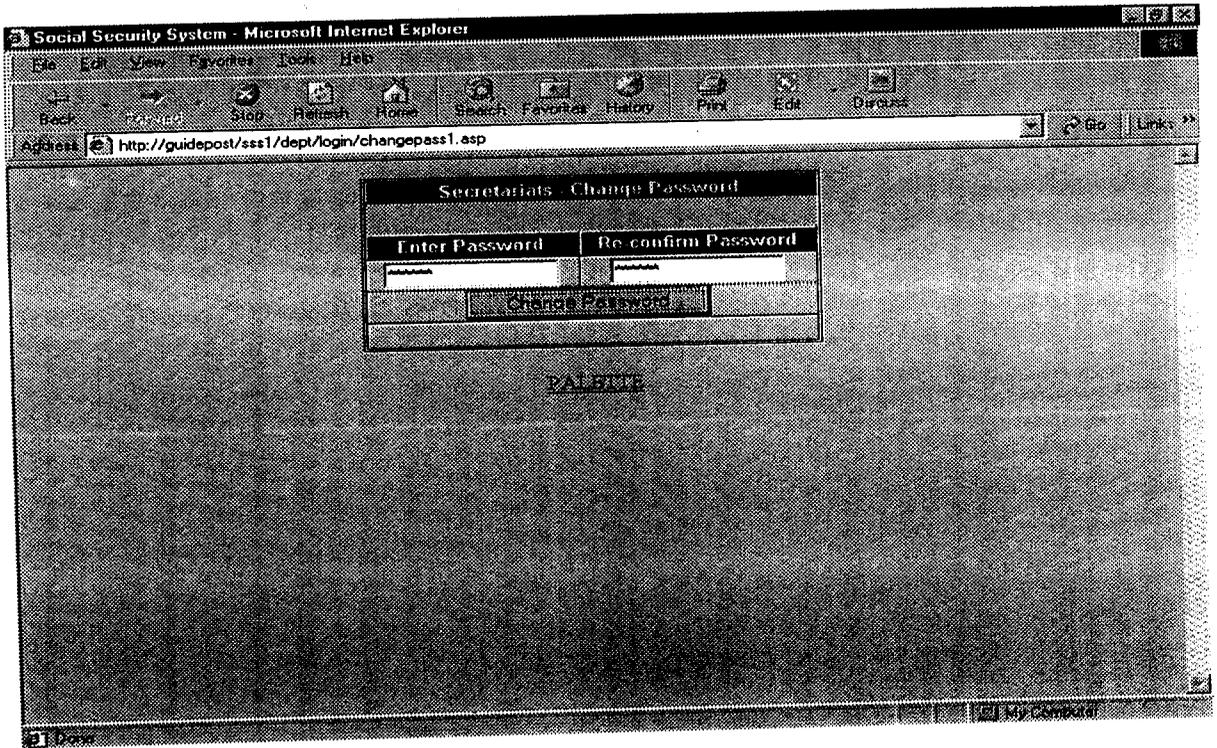
# Electronic Administration of Transport Department



This is the secretariat Login Section which allows him to assign powers to the state level authorities.

# Electronic Administration of Transport Department

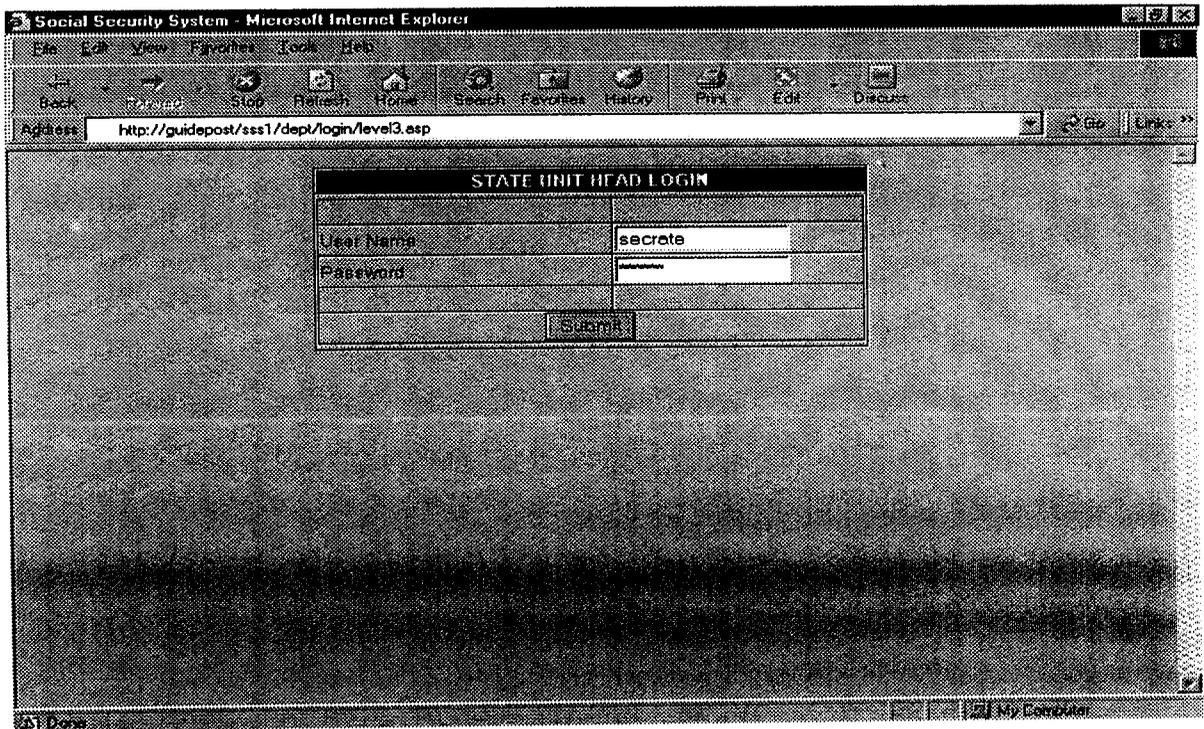
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This allows the department users to change the password.

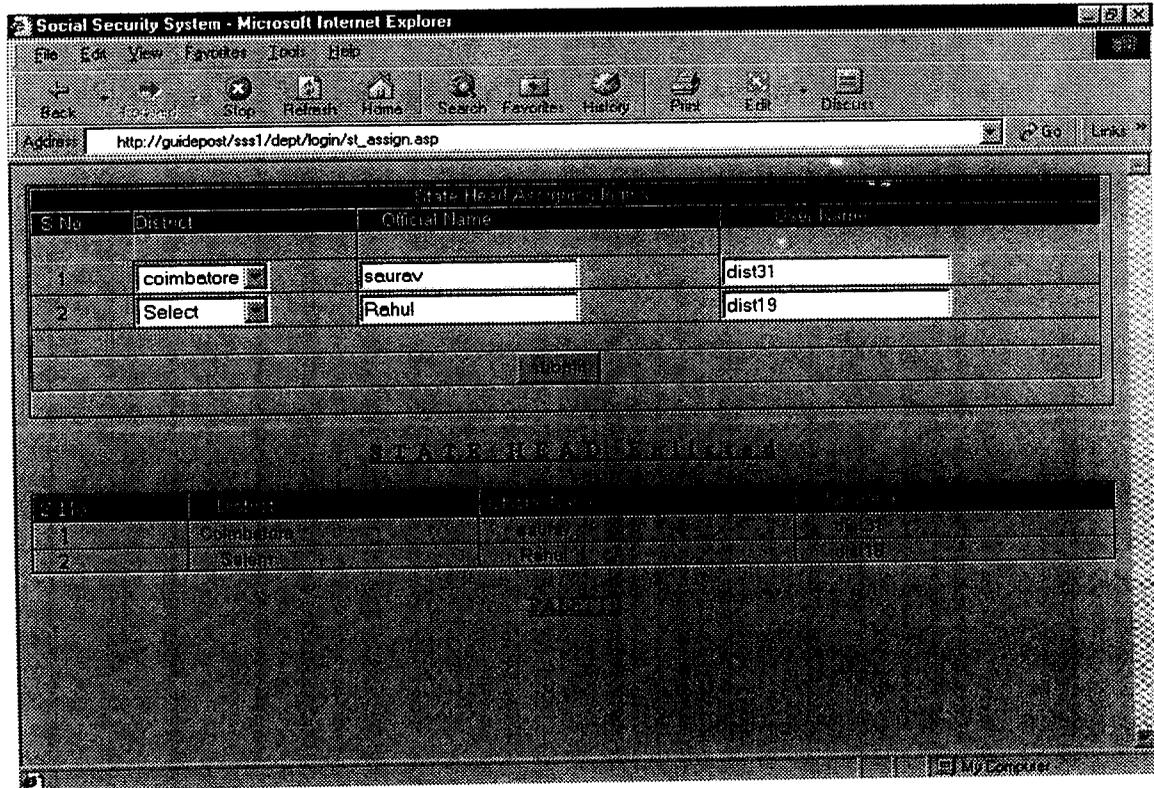
# Electronic Administration of Transport Department

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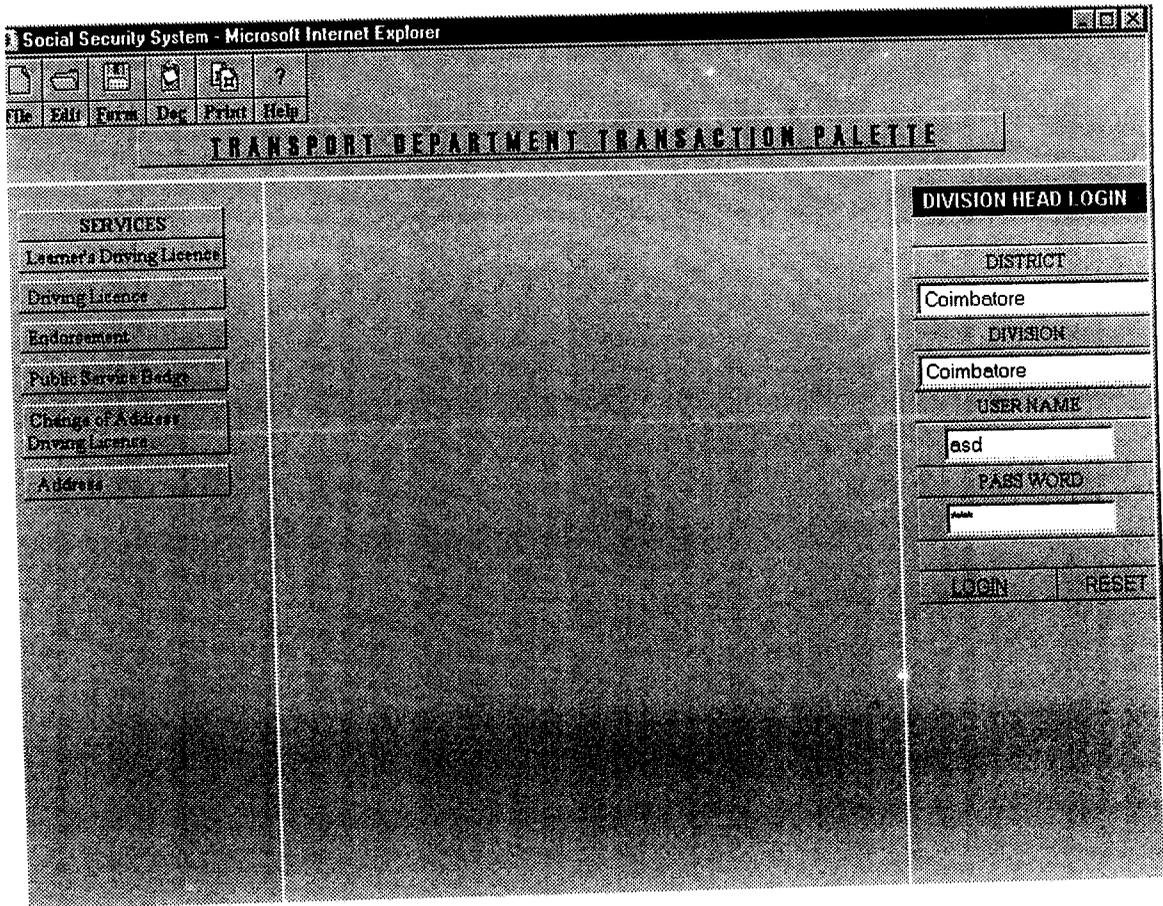
This the login for the state level authority as assigned by the secretariat.

# Electronic Administration of Transport Department



In the similar fashion logins for each and every level up to the divisional level is provided. Allowing each of the users to change the password.

# Electronic Administration of Transport Department



This is the transaction palette, which allows the department officials to provide the services and allow the officials to login in the right jurisdiction where they are authorized to provide the service.

# Electronic Administration of Transport Department

**DEPARTMENT TRANSACTION PALETTE**

**Transport Dept - Registration**

| CIN. RD | CATEGORY                 | APPLY DATE | STATUS                              |
|---------|--------------------------|------------|-------------------------------------|
| 104     | Two wheeler with gear    | 12-01-2000 | <input type="checkbox"/>            |
| 104     | Light motor vehicle      | 12-01-2000 | <input type="checkbox"/>            |
| 105     | Two wheeler without gear | 01-10-2000 | <input type="checkbox"/>            |
| 100     | Two wheeler with gear    | 10-10-2000 | <input checked="" type="checkbox"/> |
| 104     | Light motor vehicle      | 12-01-2000 | <input type="checkbox"/>            |
| 104     | Light motor vehicle      | 12-01-2000 | <input type="checkbox"/>            |
| 104     | Light motor vehicle      | 12-01-2000 | <input type="checkbox"/>            |
| 104     | Light motor vehicle      | 12-01-2000 | <input type="checkbox"/>            |
| 104     | Light motor vehicle      | 12-01-2000 | <input type="checkbox"/>            |
| 105     | Two wheeler without gear | 01-10-2000 | <input type="checkbox"/>            |

Services:  
Registration  
Driving License

Welcome to Transaction Palette

This is the palette that authorizes the services it checks for the corresponding citizen. Once the check is made to a citizen his information on that particular service is listed in the format given by the transport department.

# Electronic Administration of Transport Department

Form - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Print Edit Discuss

Address <http://guidepost/sss1/palette/view1.asp> Go Links

Form - 20 (See Rule 47)  
Application for Registration of a Motor Vehicle

To: The Registering Authority

1. Full Name of person: Athir Ahmad

2. Age of this person:

3. Permanent address of the person to be registered as Registered owner (Evidence to be produced): 2, Annil Sathya nagar, Sangan, Coimbatore

4. Temporary address of the person to be registered as Registered owner: 2, Annil Sathya nagar, Sangan, Coimbatore

5. Name and address of the Dealer of manufacture from whom the vehicle was purchased (Sale Certificate and the certificate of load weightness, if issued by the manufacturer to be enclosed): Gem Motors

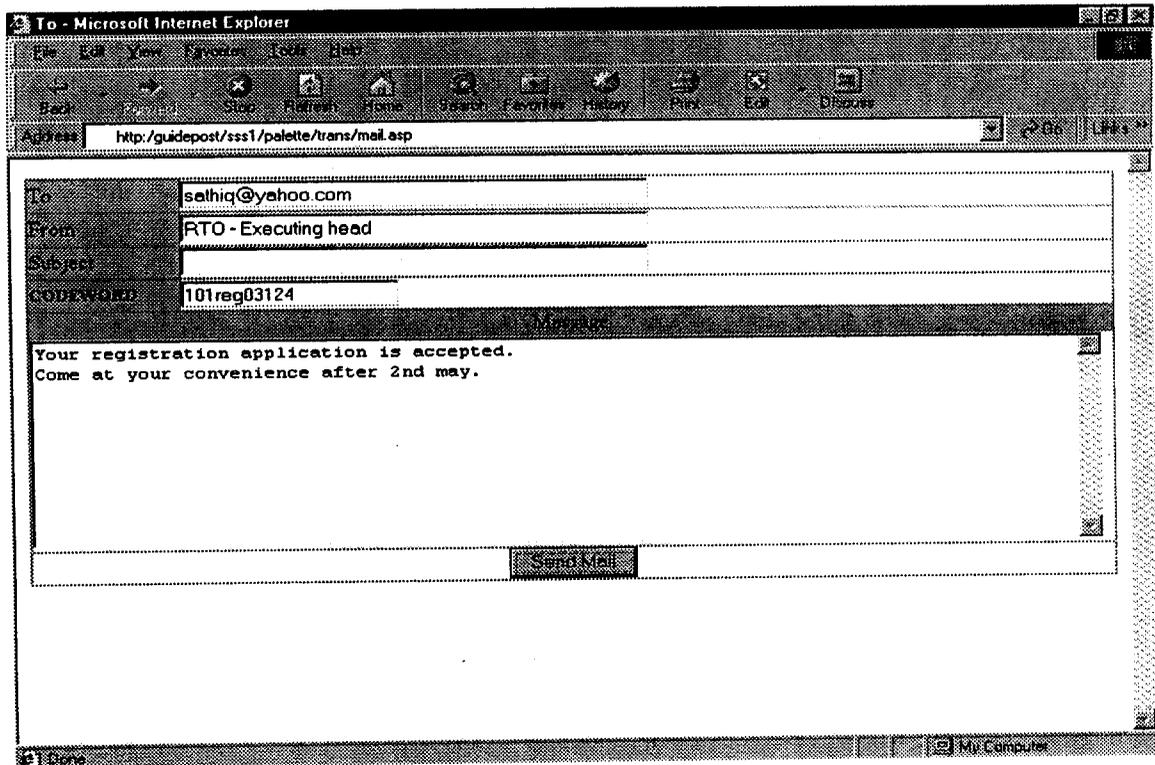
6. If motor vehicle, or impounded vehicle, enclose proof of city manufacture. Transferee's trailer, enclose the approval of design by the STA and note the proceedings No. and date of approval.

Done My Computer

There are two buttons at the end of this form, which accepts or rejects the form. For each accepted applications a codeword is generated and that will be carried on to the mail form where this codeword becomes the key to accept the service.

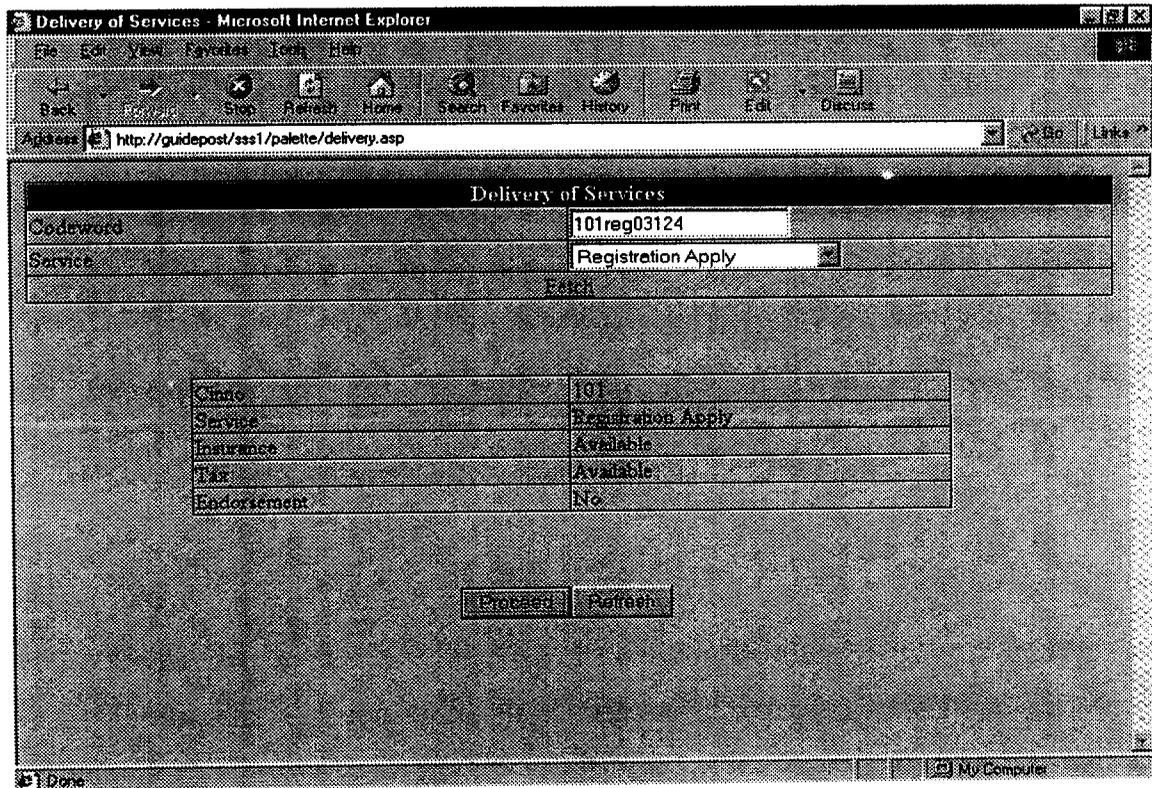
# Electronic Administration of Transport Department

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The user after seeing the code word in the mail brings that to the RTO where the delivery of service is made after checking constraints like endorsement, tax, insurance.

# Electronic Administration of Transport Department



When the proceed button is clicked then that particular field is updated in that particular table, which will then be reflected on the citizen palette as shown bellow.

# Electronic Administration of Transport Department

The screenshot shows a web browser window with the following details:

- Browser: Microsoft Internet Explorer
- Title: Social Security System
- Address: http://guidepost/sss1/index.asp
- Page Title: E-Administration of Transportation Department
- Navigation Menu (Left):
  - MENU
  - Vehicle 1
  - Vehicle 2
  - License
- Main Content Area:
  - Registration | Endorsement | Permit | Insurance | Tax
  - Vehicle Registration
  - Vehicle ID No.
  - Vehicle Make
  - Vehicle Model
  - Number of Cylinders
  - Engine Power
  - Vehicle Category
  - Vehicle Registration Fee
  - Registration Number
  - Registration Date
  - Registration Status
  - Registration Expiration Date
  - Registration Renewal Date

Then if the person decides to sell the vehicle, after all the payment is done the buyer applies for the transfer of ownership which is checked with the application form of the seller.

# Electronic Administration of Transport Department

Social Security System - Microsoft Internet Explorer

Address: <http://guidepost/sss1/apply/index.asp>

### Apply for Transfer of Ownership

|                                |                       |
|--------------------------------|-----------------------|
| Registration Number            | TN-37-e-4755          |
| Vehicle class                  | Motor Cycle with gear |
| Previous Owner's OMR           | 101                   |
| Sale Date                      | 2 MAR 2002            |
| Period up to which tax is paid | APR 2005              |

Submit

PAYMENT

This is the Application for the transfer of ownership done by the citizen to register an used vehicle.

# Electronic Administration of Transport Department

Deputy Transport Commissioner's Administration

District:

Date:

Deputy Transport Commissioner View

| Category        | No. of Applications | No. of Licenses | No. of Services |
|-----------------|---------------------|-----------------|-----------------|
| Registration    | 12                  | 11              | 0               |
| Driving License | 7                   | 5               | 2               |
| DLR             | 5                   | 3               | 0               |
| Plating         | 2                   | 2               | 0               |
| Endorsement     | 1                   | 1               | 0               |
| Tax             | 1                   | 1               | 0               |
| Insurances      | 1                   | 1               | 0               |

The above shown report is the administration view of the higher officer having a look at the performance of the lower end officials.

# Electronic Administration of Transport Department

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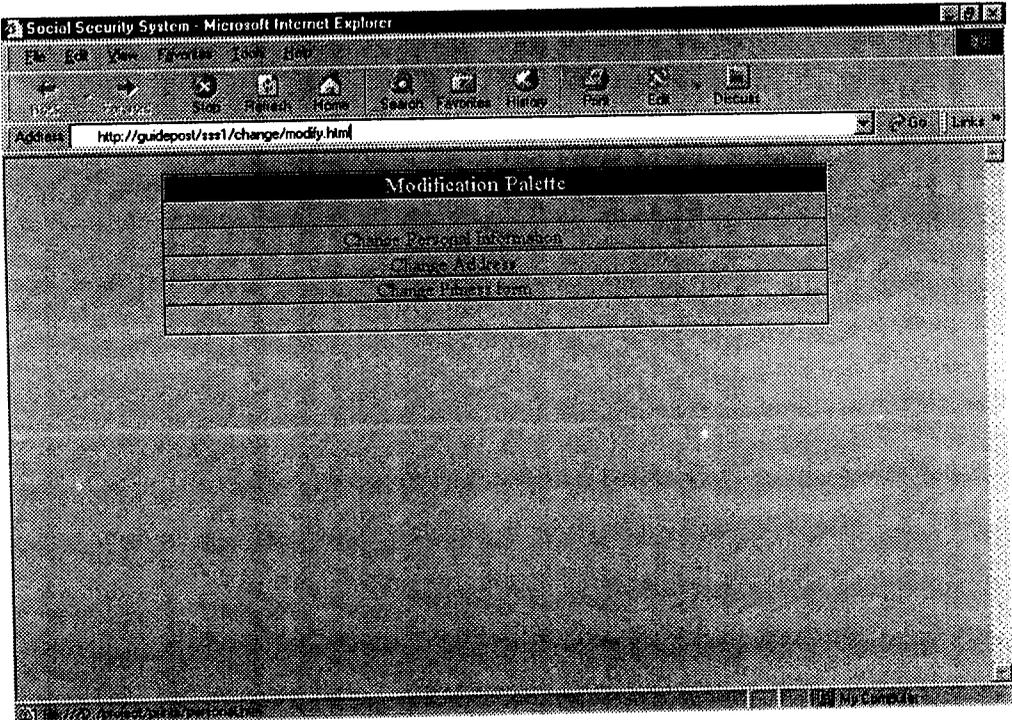
The image shows a screenshot of a Microsoft Internet Explorer browser window. The title bar reads "Social Security System - Microsoft Internet Explorer". The address bar contains the URL "http://guidepost/sss1/change/authorize.asp". The main content area displays a form titled "Modification Authorization". The form has three input fields: "Citizen Number" with the value "101", "User Name" with the value "althiq", and "Password" which is currently empty. A "Submit" button is located at the bottom right of the form. The browser's taskbar at the bottom shows the "Start" button and "My Computer" icon.

| Modification Authorization            |        |
|---------------------------------------|--------|
| Citizen Number                        | 101    |
| User Name                             | althiq |
| Password                              |        |
| <input type="button" value="Submit"/> |        |

This is a modification palette which allows the citizen to change their own personal information as time passes.

# Electronic Administration of Transport Department

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This gives links to each of the modification forms.