1. Tender Notice Information System

The web based tender notice information system allows publication of tender notices at one location which can be viewed by any one at any time on different keys. On publication of a tender notice the system provides free email notification to those who have registered themselves on the site. With in built checks the system eliminates any possibility of manipulation in dates of sale of tender document etc. Since tenders lead to contracts, system has been designed to accept details of contract to enable the citizens to see different types of civil works being undertaken in their area, a step towards putting information on contracts in public domain under Right to Information. The system can also be used to do expenditure analysis for the entire government for better and efficient procurement.

Technology Used

- OS: Win 2K
- RDBMS: SQL Server 2K
- Front-end: Browser based
- Type of Computing: Web based

Impact

On an average of 1600 tender notices are be 1830 vendors have registered to get free em departments are using this application software

Future Plan

Tender Notice Information System has been extended to provide contract information for civil works. Full details of contracts of construction projects will be made available on the net to enable people to see projects coming up in their areas.

Screenshot of depicting live tender notices

First in the country to have such a system. Software provided free of cost to 6 states.

URL : http://www.delhigovt.nic.in/tender/TenderMain.asp
Developed by Information Technology Dept. of Govt. of Delhi
2. File Monitoring System

The web-based file monitoring system tracks the movement of file across the government department. Receipt and dispatch of files is done through this application software. Using this system, a file may be traced/searched and one may find the pending files with a department/an officer. System also generates average pendency with various officers/desk.

Technology Used

- OS: Win 2K
- RDBMS: SQL Server 2K
- Front-end: Browser based
- Type of Computing: Web based

Impact

All departments in secretariat, and major departments are using this application as intranet software. This has eliminated the need of diary/dispatch registers and made movement of files quicker. By using this application, tracking of file has become easy.

Future Plan

- Integration of file monitoring system installed in various departments so that files can be received and dispatched from one department to another seamlessly.
- Application software developed to track letters has been developed. Since all letters go in a file, integration of letter monitoring will be done with file monitoring.

In use in Delhi Secretariat Since June 2001

Developed by Delhi State Unit of NIC
CENTRALIZED APPLICATIONS

3. e-Purty (Store Management Software)

The web-based store management software manages many stores for different departments apart from having usual features of any stores management software. It not only enables filing of demand online it also provides complete usage pattern of various branches on different parameters.

The system is in use in Delhi Secretariat and few departments. Salient features of the software are:

- Online submission of demand by branches.
- Online report on consumption patterns.
- Alert when inventory falls below a predetermined level.
- Ensure bill passing only after receipt of goods
- Online ledger for any user/any item

Technology Used

- OS Win 2K
- RDBMS SQL Server 2K
- Front-end Browser based
- Type of Computing Web based

Impact

The software has eliminated need to send paper based demands. If the goods are not available then they are kept under ‘pending category’ and on receipt of goods the status changes to “Ready for Collection”. Branches/Departments find it easier to monitor their indents and availability of goods in stores.

Developed by Delhi State Unit of NIC
CENTRALIZED APPLICATIONS

4. e-Courtis (Court Case Management Software)

Product Features

- Web based application software.
- Centralized Data of Court Cases for all Departments of Delhi Government
- Monitoring of the Court Cases of each department and its current position
- Shows at a glance the summary of Pending & Disposed cases of all Departments pertaining to various courts (CAT/Lower Court/High Court/ Supreme Court)
- Various queries like “Hearings due in the next 7 days” for the cases that are going to be heard.
- Summary of Court Cases pending with various counsels of Delhi Govt.
- Departments update status of their cases on their own.

Present Status of Automation

- 26 Departments are using this online system.

Technology Used

- OS: Win 2K
- RDBMS: SQL Server 2K
- Front-end: Java, Servlets
- Type of Computing: Web based

Future Plan

- All Departments of Delhi Govt. to be brought on this.

![SUMMARY OF DEPT. OF NCT DELHI PENDING CASES](image)

<table>
<thead>
<tr>
<th>COURT</th>
<th>CAT</th>
<th>High Court</th>
<th>Lower Court</th>
<th>Supreme Court</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCHEOLOGY</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ART &amp; CULTURAL LANGUAGE</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>DEVELOPMENT</td>
<td>1</td>
<td>11</td>
<td>1</td>
<td>2</td>
<td>13</td>
</tr>
<tr>
<td>EDUCATION</td>
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<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENVIRONMENT</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EXCISE &amp; ENTERTAINMENT</td>
<td>0</td>
<td>11</td>
<td>1</td>
<td>5</td>
<td>17</td>
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<tr>
<td>FAM&amp;WELFARE</td>
<td>6</td>
<td>0</td>
<td>2</td>
<td>4</td>
<td>12</td>
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<tr>
<td>FOOD &amp; CIVIL SUPPLIES</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HEALTH</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>HOME</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HOME GUARDS &amp; CIVIL DEFENCE</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td>13</td>
</tr>
<tr>
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<td>1</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>LAW &amp; ORDNANCE</td>
<td>9</td>
<td>0</td>
<td>2</td>
<td>12</td>
<td>16</td>
</tr>
<tr>
<td>NATIONAL ASSEMBLY SECRETARY</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Screenshots of e-courts

First attempt of its kind which puts all court cases being contested by government at one location.

Developed by Delhi State Unit of NIC
5. Procurement Monitoring System

A web based application which enables close monitoring of placement of order with vendor, supplies made and payment disbursed. The application is presently being used for monitoring procurement of hardware, packaged software and networking equipments by departments of Govt. of Delhi. All departments have to compulsorily enter the details of equipments in the system to print the system generated purchase order. Receipt of goods is also entered in the system. At any time, one can see the status of supply / orders online.

Technology Used

- OS: Win 2K
- RDBMS: SQL Server 2K
- Front-end: Browser based
- Type of Computing: Web based

Benefits

- Departments can track the status of goods ordered online.
- Government gets full details of goods purchased.

Future Plan

- To integrate supplier side status on the system so that departments know where the goods ordered are.
- To integrate payment module with this system
- To extend it to other items.

![Procurement Management System](http://delhigovt.nic.in/procurement)

**Filter by Department:**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Department Name</th>
<th>Order Date</th>
<th>Cheque Date</th>
<th>Due Date</th>
</tr>
</thead>
</table>

**Screenshot of Procurement Management System**

URL: [http://delhigovt.nic.in/procurement](http://delhigovt.nic.in/procurement)

Developed by Information Technology Dept. of Govt. of Delhi
6. Road Cutting Monitoring

The Road cutting monitoring application is developed to record the road cutting activities request by any road cutting agency like MTNL, Delhi Jal Board, etc. Request to PWD, who own the road, is fed in the system which also generates permission letters. Road cutting agencies feed data on road cutting activity and diversion of traffic, if any.

All information on daily road cutting activities can be seen online. The user may search and find the road cutting details in a specific area.

This enables people to find road cutting activity in their area in advance and plan movement in case of traffic diversion.

Technology Used

- **OS**: Windows 2000
- **RDBMS**: SQL Server 2000
- **Front-end**: Browser based
- **Type of Computing**: Web based

**Impact**

- Public is able to see road cutting as well as delay in cutting.
- Internal working of PWD on road cutting permission work is streamlined.

**Future Plan**

- Extend this application to other road owning agencies in Delhi.
- Receive online request from road cutting agencies.

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**Road Cutting Information System**

The site provides information on road cutting/digging operations to be undertaken in various areas of Delhi. You can select your area and find out the details of road cutting/digging/dredging works in your area. Permissions are given to various agencies such as DDA, BCC, PMGW, NDMC, TATA, CPWD, etc.

**Search for Road Cutting in your Area**

**Road Cutting Operations Planned for TODAY**

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Place of Work</th>
<th>Start Date</th>
<th>End Date</th>
<th>Contact Details of Road Cutting Agency</th>
<th>Contact Details of Road Diversion Agency</th>
</tr>
</thead>
</table>
| 1     | Delhi Sainik Housing Area, 3rd Ring Road, Model Town, Delhi | 17/01/2003 | 19/01/2003 | Delhi Municipal Corporation, 3rd Ring Road, Model Town, Delhi | E:\RCC Data, C:
corp\Comm\Road Cutting\Exp.\Road Cutting Data 2003-04.mdb |
| 2     | Delhi Sainik Housing Area, 3rd Ring Road, Model Town, Delhi | 19/01/2003 | 21/01/2003 | Delhi Municipal Corporation, 3rd Ring Road, Model Town, Delhi | E:\RCC Data, C:\corp\Comm\Road Cutting\Exp.\Road Cutting Data 2003-04.mdb |
| 3     | Delhi Sainik Housing Area, 3rd Ring Road, Model Town, Delhi | 21/01/2003 | 23/01/2003 | Delhi Municipal Corporation, 3rd Ring Road, Model Town, Delhi | E:\RCC Data, C:\corp\Comm\Road Cutting\Exp.\Road Cutting Data 2003-04.mdb |

**http://delhigovt.nic.in/roadcutting**

Developed by Information Technology Dept. of Govt. of Delhi
7. Attendance Monitoring System

Attendance Monitoring System has been implemented in IT Department and Administrative Reforms Department as proof of concept. It takes user name and password to record the attendance on the computer. The application also records out movement of employees during office time eg. on office duty, personal work, etc. The employee can apply online for casual leave.

The application provides various reports to the administrators indicating latecomers, habitual latecomers and early leavers of office. The administrator can online decide on the leave application.

Technology Used

- **OS**: Windows 2000
- **RDBMS**: SQL Server 2000
- **Front-end**: Browser based
- **Type of Computing**: Web based

Impact

- Discipline amongst employees.
- Complete control of administrator on the movement of employee

Future Plan

- Using Biometric solution to enable employee to use thumb to record attendance under execution.
- Integrate it with other leave records for complete inventory of leaves availed by employee.
- Roll out in all departments of Secretariat and other departments.

### Attendance Register

Information Technology

<table>
<thead>
<tr>
<th>Name</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
<th>Sun</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sarita Tyagi</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>63:10</td>
</tr>
<tr>
<td>Grish</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>63:10</td>
</tr>
<tr>
<td>S. Nagi</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>63:10</td>
</tr>
<tr>
<td>S. Tyagi</td>
<td>09:20</td>
<td>09:20</td>
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<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>63:10</td>
</tr>
<tr>
<td>John P. Mez</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>63:10</td>
</tr>
<tr>
<td>Harsh Mathur</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>63:10</td>
</tr>
<tr>
<td>P.C. Sangal</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>63:10</td>
</tr>
<tr>
<td>Ravi Prakash</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>09:20</td>
<td>63:10</td>
</tr>
</tbody>
</table>

*Developed by Information Technology Dept. of Govt. of Delhi*
8. DTC Bus Route Finder

DTC Bus route finder provides the bus routes between two terminals/bus & shelters selected by the user. This is a web-based application, which is designed in such a way that if no direct bus route is available then alternative connecting bus routes are displayed.

The application also provides graphical display of the route. System allows online addition, modification and deletion of bus routes and special bus services by DTC staff.

**Technology Used**

- OS: Windows 2000
- RDBMS: SQL Server 2000
- Front-end: Browser based
- Type of Computing: Web based

**Impact**

- Ease of finding shortest possible route.
- Updation of routes is easier.

**Future Plan**

- Touch screen kiosks will have the link to this application. Tourist and passenger information centers will have this information available for citizens.

### Bus Route Details

**Bus Route** | Source | Destination | On-Peak Frequency | Off-Peak Frequency
---|---|---|---|---
445 | Majestic Terminal | Greater Noida Phase II | 12 Minutes | 24 Minutes

**Destination First Service Last Service On-Peak Frequency Off-Peak Frequency**

<table>
<thead>
<tr>
<th>Source</th>
<th>First Service</th>
<th>Last Service</th>
<th>On-Peak Frequency</th>
<th>Off-Peak Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majestic Terminal</td>
<td>05:14 hrs</td>
<td>02:18 hrs</td>
<td>05:10 hrs</td>
<td>02:14 hrs</td>
</tr>
</tbody>
</table>

**Bus Route**

- Majestic Terminal
- Yashwantrao Chavan Bhavan
- Shanti Vihar
- Delhi Gate
- Supreme Court
- Sunder Nagar
- Part Nagar
- Moh shaken Hospital
- Anil Khand Cinema
- Sant Nagar
- Kalkaji
- Kalkaji 36A Flats
- Greater Noida Part II

*Screenshot of Bus Route Finder*

[http://delhigovt.nic.in/dtcbusroute](http://delhigovt.nic.in/dtcbusroute)

Developed by Students of final year of degree course 2001-2004 of Ansal Institute of Technology of GGSIP University under guidance of Information Technology Dept. of Govt. of Delhi