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NIC Projects in Gujarat - Part-II

INTRODUCTION

In continuation of the previous Newsletter of May, 2006 (NIC Projects in Gujarat – Part-I), this News letter has covered rest of the major projects executed by National Informatics Centre (NIC) in Gujarat State.

Gujarat Ration Card Computerization (GRCC)

Civil Supplies Department: Tehsil /Taluka Office

✚ **Features:** Unicode data, Local Language (Gujarati), Multiple Keyboard, Information of application for ration card etc, Detailed Transactions Log, Two Tier Ration Database one for Ration card Application other for effect in Main Ration database. Software logs every transaction with date of transaction like new card, deleted card, division of card etc and History of particular Ration Card.

✚ **At Citizen Charter (One Days Governance) center:** New APL1 Card, New APL2 Card, BPL, Updating of Ration Card, Transfer Ration Card from one FPS to Other FPS, One Taluka to Other Taluka, Change Category of Ration Card like APL to BPL or BPL to APL, Deletion of Ration Card, Addition and Deletion of Member in Ration Cards and Division of Ration Card

MIS:

1. Online G-Register
2. Online No of cards details in different category like 1,2,3...7 members per cards
3. FPS Wise Summary (4) Online SBC, DBC Gas Details etc.

Implemented in all talukas and some zonal offices.

Technology used:

Microsoft Visual Basic, Microsoft SQL Server, Unicode, Multiple Keyboards and Windows Server.

One Day Governance (Nagrik Seva Kendra)

Revenue Department: Mamlatdar (Taluka) Office

One Day Governance package is a window for the citizen to get various certificates like Income Certificate, Caste Certificate, OBC Certificate, Domicile Certificate (by birth and living in the State for more than three years) and Senior Citizen Certificate. All types of Affidavits, Arms Licenses Renewal, Petition Writer Renewal, Hotel License Renewal and Stamp Vendor Renewal are also issued through this Package.

Software developed by NIC automates the procedures at the place where the s/w is running right from the receipt of application to approval to printing of various certificates.

The one-day governance package immensely benefits the citizen and the response has been tremendous since its inception.

This software is implemented and working at 215+ talukas out of 225 talukas in Gujarat.

Technology used:

Win 2000 Server, SQL Server 2000, VB 6.0, Crystal Report 7.0, GIST 2.7, Web cam

BaDEA (Birth and Death Entry Applications & Reporting System)

Health Department: Commissioner of Health

Vital statistics is an integral part of the health information. It is a basic tool of health management. The health management system is composed of several related sub-systems, which can be categorized in following areas:

- ✚ Demography and vital events
- ✚ Health status – mortality, morbidity – disability
- ✚ Health resources: facilities, beds, manpower
- ✚ Utilization of health services
- ✚ Financial statistics related to health, medical services and medical education

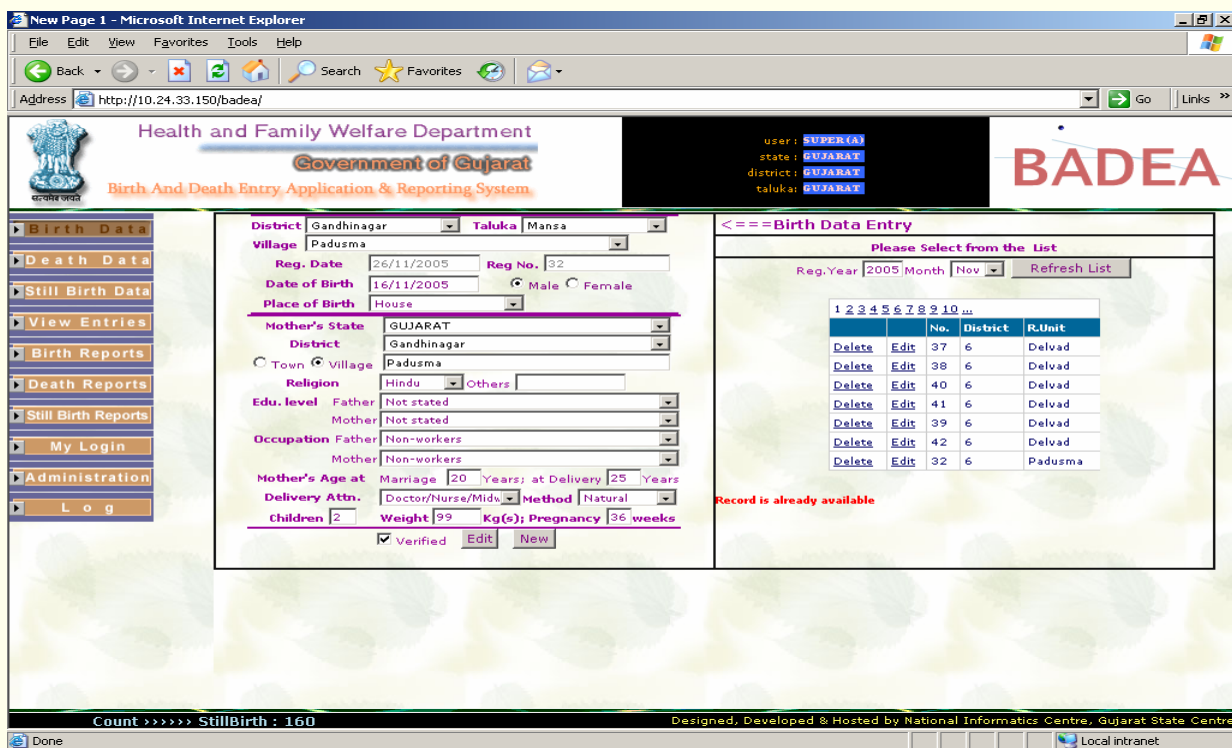
The above important areas are being dealt by various health programme officers and the information so generated by way of providing services is compiled and brought out as basic health statistics. The vital statistics unit deals with the registration of vital events i.e. live births, still births and deaths.

The Web System

The Statistical data related to Birth, Death and Still Birth registrations are keyed in through this web application with all the details. Audit trail is kept in system for monitoring the operations carried over. The Data is fed from all the 25 districts of Gujarat. As the Registration unit details are taken from the Census Database, the database is kept distributed. The data flow is controlled between Villages, Talukas (Tahsils), District and State.

The system generates

- ✚ 23 Birth reports for Place of Occurrence with Population, Birth Rate, Time Gap in Registration, Sex and Month of Occurrence, Type of Attention during Delivery, Type of Institution where delivery occurred, Age of Mother at the time of delivery, Birth Order with Population, Level of Education of Mother/ Father, Religion of Family, Occupation of Father / Mother, Duration of Marriage of Mother, Duration of Pregnancy, Birth Weight and Method of Delivery.



- ✚ 21 Death reports for Place of occurrence with population, Death Rate, Time gap in Registration, Sex and Month of Occurrence, Type of Attention, Religion of the Deceased, Occupation, Death Cause with Medical Certification, Infant Deaths with Population / Sex, Pregnancy Related Death with Medical Certification / Occupation and Habit
- ✚ 7 Still Birth Reports for Place of Occurrence, Still Birth Rate, Sex & Age of Mother, Duration of Pregnancy, Type of Medical Attention Received at Delivery, Cause of Still Birth, Age of Mother and Duration of Pregnancy.
- ✚ All the reports are even segregated to Year, District, Taluka and Villages.
- ✚ 10 Graphical Reports for Male – Female birth, Birth Order, Male – Female Death, Male – Female Infant Death, Delivery Attention, Pregnancy Death, Live Births Age Group-wise, Age Specific 3 & 3+ Birth Order, 3 & 3+ Birth Order with Mother's Education Level & Father's Education Level
- ✚ As on date all the 25 Districts of Gujarat are using the System and 4,50,000 registrations are added since Sep 2005.

Technology used:

ASP.Net, JavaScript, SQL Server 2000, Flash

e-PRIMA (Panchayati Raj Institutes – Maintenance of Accounts)

Panchayat Department:

Based on recommendation of 11th Finance Commission (EFC), Ministry of Finance has provided guidelines for monitoring the utilization of local bodies grant for the development of Gram panchayat, Taluka panchayat and Dist. panchayat by using Information Technology (IT). Local fund officials will monitor financial data and progress of funds, Income, Expenditure, sources of revenue. This was primarily designed considering reports of **11th finance commission** in mind. This system captures data of Opening and closing balance of PRIs, works carried out in PRIs under particular schemes, Income and expenditure, closing balance, financial progress of funds received from CFC, State Govt , Own fund etc Trainings have also been conducted for District, Taluka Panchayat staff, Talatis, sarpanch etc about use of the system.

This is in use and is making some amendments so that reports of 12th finance commission can also be generated out of it.

Technology used:

ASP.Net n-Tier architecture, JavaScript, MS SQL Server 2000

SocialDISC (Social Defense Integrated Scheme Computerization)

Social Justice & Empowerment Dept. : Director of Social Defense and District Social Defense offices

This department is implementing the various schemes for the Physically Disabled peoples. The statistics of the beneficiaries under the various scheme and citizen charter can be put on the web portal

Some schemes are...

- ✚ Identity card for the beneficiary having disability.
- ✚ Sant Surdas Yojna
- ✚ Sadhan Sahay
- ✚ Scholarship to the students
- ✚ Widow Assistance
- ✚ Old Age Assistance
- ✚ VAY VANDANA Scheme
- ✚ SANKAT MOCHAN Scheme
- ✚ Case handling under dowry act, child marriage prevention act, and probation of offenders act.
- ✚ Foster care/Adoption
- ✚ Registration of institutes/NGOs for disabled people.

Features:

Some of the main features are:

- ✚ Web based application and accessed from any district where GSWAN facility is available
- ✚ Central data architecture
- ✚ Maintaining the record of institute of working in welfare activities under different category.
- ✚ List of institutes' district wise, category wise etc.
- ✚ Scheme wise beneficiary list
 - State wise
 - District wise
 - Caste wise
 - Sex wise
 - Age group wise
- ✚ Monitoring the multiple assistance availed by the beneficiary.
- ✚ Issue of PH identity card
- ✚ Generation of Money order for Sant Surdas Yojna

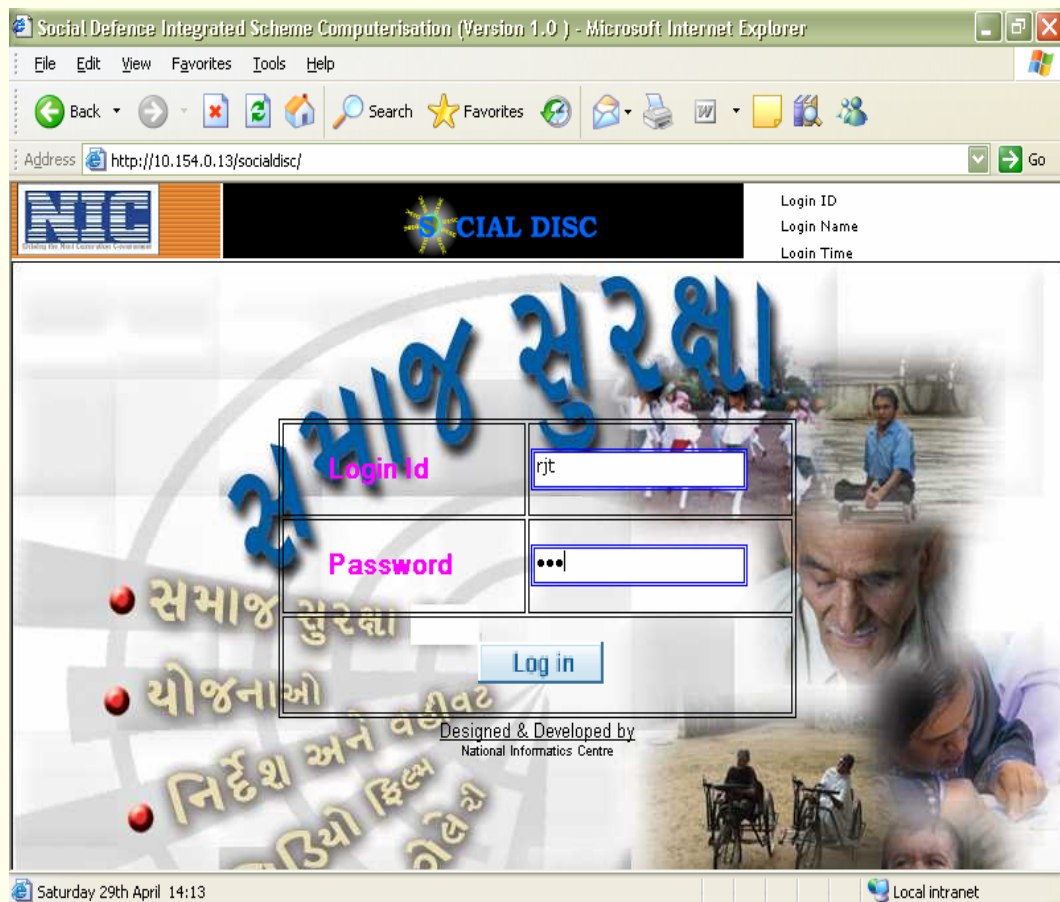
Technology used:

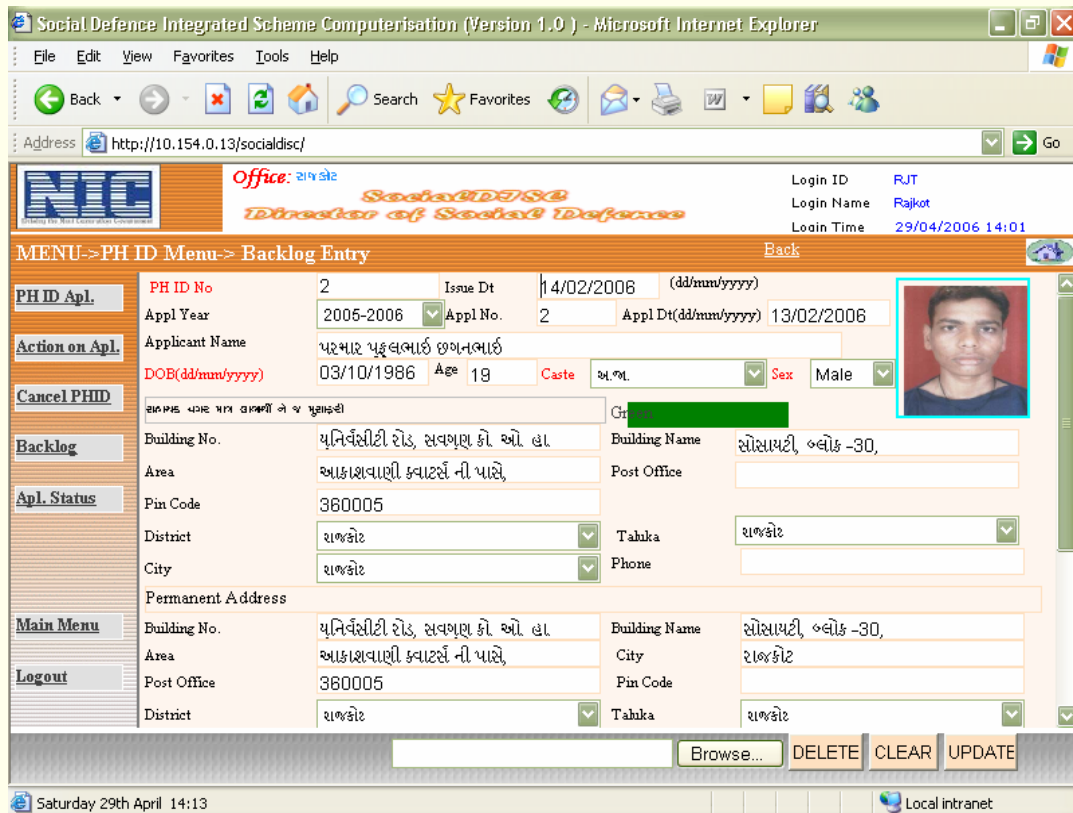
Web Application hosted on high end NIC server. Application developed in ASP.NET with SQL Server 2000 as back end. Users need a computer having intranet connection and IE 5.0 onwards.

Current Status:

Under Implementation

<http://intranet.guj.nic.in/SocialDISC>





Information System for Forests & Environment Department (ISFED)

Forests & Environment Department

Purpose of the project is to computerize the major activities of the department at various levels. The objective is to improve the efficiency of the department using ICT tools and bringing more transparency in the processes and provide citizen facilitation. Timely availability of accurate MIS data on demand is a major target of the project.

The following modules were identified as part of the MIS and 12 of them developed and made available to the Department on Intranet. The remaining are under development.

1. Scheme management (Plan and Non plan / Physical and Financial)

A web enabled Grant Distribution and Expenditure reporting system covering all schemes (budget heads) and all offices from department to DCF level. This will allow the disbursement of grant under various heads and automatic posting to down the line offices from its immediate superior office. In the same way the actual expenditure incurred under different detail heads are reported back to the superior office.

2. Monitoring of Applications under FCA for using Forest area for Non-forest development programs.

A web enabled application monitoring system to monitor the applications filed at CCF wild life and down the line monitoring of the progress of these applications with a warning system for the concerned officials about the dead line by which they are supposed to process the application. The centralized solution enables all concerned in the department to monitor the status of the application and to follow up.

3. Malki cases application monitoring.

For monitoring the physical data (sanctioned number etc.) capture regarding Malki applications. The permissions given at DCF can be disseminated using this system and monitored at higher levels.

4. Infrastructure records (Land, Buildings, Equipments, Vehicles etc.)

A central database of all assets of forest department including forestland to update and maintain the records by respective CF / DCF.

5. Admin management

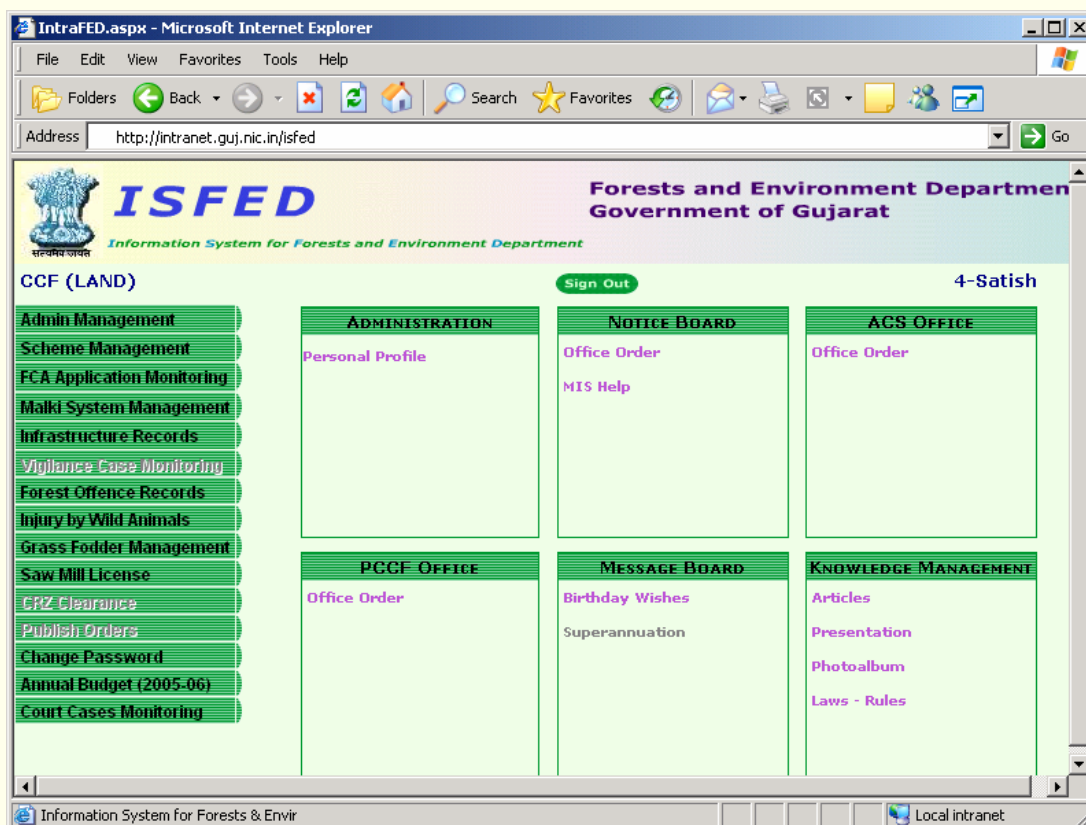
The employee personal information along with the management of MIS modules, creation and updation of office details etc. is maintained through this module.

6. Vigilance case monitoring

A web system to monitor the status of the proceedings on the vigilance cases against the employees of the department is the objective.

7. Forest offence records

Forest offence records may be stored as and when it happens in a central database through web interface. The system is divided in to various modules, which covers all the functions and aspects related to forest offences and final order and its execution detail.



9. Injury by wild animal

The records of injury caused by wild animal to cattle and human are recorded and the compensation details can be monitored.

10. Grass fodder management

Records the details of the quantity of grass cut from the Vidi and stored in depot.

11. Saw Mill license

The details of the sawmill licenses issued by the department at various divisions are stored and the renewal process can be done through the system.

12. CRZ Clearance

Scope of this product is to computerize the monitoring activity of the Costal Regulation Zone applications at various stages of its process in the department. The objective is to efficiently manage the time frame set by the government at each stage for the processing of these applications. It can also provide citizen facilitation in the form of dissemination of the status of the application at any point of time.

13. Intranet portal of forest department

Since the number of staff in the department is more than 5000 any information like circulars, office orders, training schedule etc. reaching the staff at different level takes lot of time. A portal is developed, through which all of the above can be disseminated through out the department. Also the requirements like document sharing of proposed plan etc. also can be published on the portal and can be accessed by the concerned. All the employees of the department can be given access to this portal with secured passwords.

Technology used:

ASP.Net, SQL Server 2000

State Budget Preparation

Finance Department:

This is a fully automated S/w developed for Finance Department to prepare the state budget accurately in short time. The system automates the budget preparation and reduces the inconsistencies and delay in manual preparation. System also keeps track of the changes made in the budget estimates at various levels.

This software is highly flexible, user-friendly and it supports the decentralized approach for budget preparation. Top management can take decision for proper utilization of resources. Using this package, it is extremely easy to manage plan ceiling, plan and non-plan activities (sector & sub-sector wise) etc.

Implemented in all the departments including Finance Department. All budget documents are printed accurately using the software.

After releasing the Budget on the floor of the Assembly following information is made available on web

- Finance Minister's Budget Speech
- Annual Statements
- Budget At A Glance
- Statistical reports on various factors of Gujarat under Economic Survey

Query Online allows any department of Government Of Gujarat to query on the budget data. Query to this data can be specific to the level of Detail Head, right from Department, Demand No, Major Head, Sub Major Head, Minor Head, and Sub Head.

The data of last year and this year budget is available for reference of the Govt. offices on State Intranet services.

Technology used:

V B 6.0, CR 7.0, M S Access 2000

Stamps Inventory Control System for Superintendent of Stamps

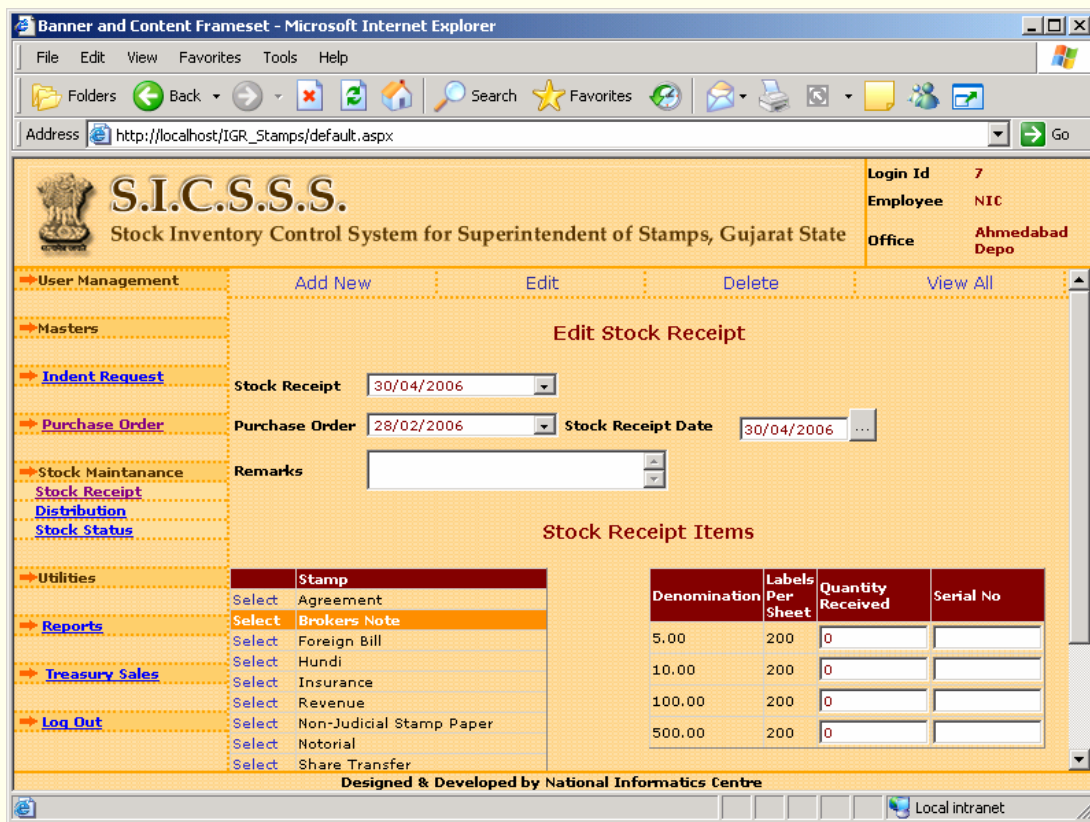
Revenue Department: Superintendent of Stamps

Purpose of the project is to computerize the stamp inventory related activities at the central store. A web enabled inventory control system covering all type of stamps and main tables at the central store office is designed. This will facilitate to maintain the indent, order, receipt and distribution of stamps. The system can report the actual stock of various denominations of stamps at any time.

The s/w is implemented at the central store at Lal-Darwaja, Ahmedabad.

Technology used:

ASP.Net, SQL Server



Stamp	Denomination	Labels Per Sheet	Quantity Received	Serial No
Select Agreement				
Select Brokers Note				
Select Foreign Bill	5.00	200	0	
Select Hundi	10.00	200	0	
Select Insurance	100.00	200	0	
Select Revenue	500.00	200	0	
Select Non-Judicial Stamp Paper				
Select Notarial				
Select Share Transfer				

PHArmacist Registration and Monitoring System (PHARMS)

Health Department: Gujarat State Pharmacy Council (GSPC)

Gujarat State Pharmacy Council (GSPC) is functioning under the control of Health Department of Government of Gujarat as a statutory body. Commissionerate of Food and Drug Control is the reporting office. Functions of GSPC are registration of Pharmacists, their working and educational details including business and residential addresses etc.

PHARMS is the computerization of all the procedures mentioned above of the GSPC and has all the reports, registers, receipts as well as queries.

Features of the Software are Registration, Renewal, Re-registration / Fresh registration.

Status

PHARMS is implemented and registration, renewal and re-registration made online. The annual reports for the Pharmacy council of India are also prepared using **PHARMS**. Now GSPC is in the process of implementation of Fresh Registration using PHARMS.

Technology used:

VB 6, CR 7, M S Access, Win 2000

eGovernance News

Technology Sabha held at Goa

To enable meaningful interaction between key government technology leaders and technology solution experts, the Indian **Express Group**, as part of its India Empowered initiative, hosted **Technology Sabha** on 15 – 18 June, 2006 at Marriott , Goa.

Technology Sabha is a niche forum for senior government leaders and their peers to exchange ideas, assimilate concepts and strategies that have proven to be of use, and explore business possibilities with leading technology solution providers. The platform raised discussions on the numerous challenges facing IT in India and how to put India on the progress highway.

The Technology Sabha 06 brought into focus the various e-Governance initiatives undertaken by the central and state governments and the industry's views on the **information and communication technology (ICT) sector**.

A message by the President, Dr A P J Abdul Kalam, read out at the outset said, "It is highly needed at this point in time in transforming India into a developed nation; ICT has to play a vital role." The message was read out by Director, Technology Interface, President's Office, V Ponraj. The President believes that IT applications have potential for strengthening India's vision for 2020. Ponraj elaborated, "Areas like R&D and manufacturing need to be equipped with IT applications as they have the potential to drive the success story of India towards 2020."

Ponraj identified three technological areas that are going to drive India's growth, "Biotechnology, nanotechnology and information technology. These three areas are different in nature but are interconnected. Out of these, IT has a major role to play as it will be converging all of them."

Shri N. D. Panchal , CS & SM (Services), Gujarat Informatics Limited has attended the Technology Sabha at Goa. For more information please visit: <http://expresscomputeronline.com>

WEB CORNER

National Portal of India

<http://www.india.gov.in>

Express Computer

<http://www.expresscomputeronline.com>

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