



NIC Projects in GUJARAT - an Overview

PREFACE

During the last quarter of this century, Information Technology has transformed the way of human life as no other technology has. It has potential of converting over society into a truly knowledge based society. It also gives us a chance in ensuring that such as evolution leads to an equitable society.

NIC, premier organization in the field of IT, has visualized the potential and need of promoting IT long ago. Aware about the requirement of promoting the IT many areas in government and non-government sectors, NIC has established promotional units in major cities of the country since 1995. Basic function of the units is to provide and promote IT services in the various sectors for the benefits of the nation.

NITPU at Ahmedabad came into existence in Aug-94. Since it is inception various IT services are provided to many government and non-government users. Among the major user organizations are government, corporation, co-operative, exporters and banks.

The following major services are provided by NIC:

- E-mail
- Internet
- Video conferencing
- Training
- Technical Consultancy

NIC Projects

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e-Dhara

(Software for Land Records Computerization)

With the objective to maintain and update the land records data of each district at its Taluka Offices and generate various village forms for administration as well as for public demands, in tandem with other States, LRC project started by Government of Gujarat in 1998-99 and is funded by Government of India. Gujarat State also developed its own S/w, through NIC, for the maintenance of land details under each survey number of Gujarat State under the Gujarat land records act. The record of rights is printed through the S/w and all mutations are done automatically. Bhulekh soft is developed using GIST SDK to support Gujarati language.

Apart from landowners the departments like Revenue, Agriculture and Irrigation are beneficiaries of the land records database.

Data has been entered for around 15000 villages out of the total 18000 villages spread over 225 Taluka of the 25 revenue districts in the State. All Taluka are made online with issuing copies of ROR (record of right) to the farmers and landowners.

ROR is being distributed to all landowners first time as a free copy. Afterwards Rs15/- per copy fixed and notification is published in this regard. Online mutation and stopping manual

maintenance of records has started in Junagadh district as pilot.

Scope

a) At Public level:

People can get well-printed copies of their land holding documents. Tampering with revenue records minimised. People can get the copy of Record of Right and Account holding at Taluka level. Farmer Book can be printed. Reduces litigation and helps in expediting litigation process.

b) At Administrative level:

Reports can be generated for Details of Land, Land Use, Crops cultivated, Source of Water, Type of Electrical Equipment used, Trees etc. Borrowings, Liabilities on each land per village could be listed. GIS application can use these data to produce different maps. Agriculture Census will be a by-product of Land Records Data. Information Outlets can be linked with these data. Correct revenue information in time with easy access. This information can be used for District Planning.

The web-enabled part of the S/w is ready for dissemination of land details on the Intranet. LAND Record data can be put on intranet server for dissemination within Govt. offices and for public.



e-Gram (Viswa Gram)

Target User: Village Panchayats of Gujarat State (under District Panchayat).

The Viswa Gram project module "e-Gram Panchayat Monitoring System" is for maintaining record of village information of all families' data and issue of necessary certificates to citizens. This module is designed & developed by National Informatics Centre.

In 32 villages of Bhavnagar District, the Viswa Gram project is implemented and for another 10 village panchayats Hon. Chief Minister distributed the hardware.

The Viswa Gram is based on survey form of each individual family of the village, which contains the detailed information of each member of family. This is used to provide many certificates such as Income, Caste, Domicile, Character, and Farmer etc. to citizens. Also, the database of property of each family is maintained to provide necessary certificate and to use in panchayat tax collection property wise. Birth, Death & BPL Beneficiaries data is also maintained to provide respective certificates.

District Development Officer, District Panchayat, Bhavnagar conducted seminar for all Talaties and Sarpanchs of Bhavnagar to familiarise them with e-Governance. Viswa Gram Project &

LRC Project at Taluka & Gram Panchayat Level.

In future this databank can be used for different analysis and to generate different reports such as Birth & Death Rate, Vaccination Detail List, Schooling Candidates List, Senior Citizens List, Voter List etc. General information of the village is also provided for information as and when required.

Presently, it is operational at 376 Village Panchayats of Gujarat State. And at 331 more Village Panchayats, the Hardware is installed.

TRaInees Management System (TRAMS)

TRAMS is developed to assist the various students centric operations of all ITI's of Gujarat State. It is a comprehensive system covering Admission, Attendance, Internal and Final exams. These activities start from admission of the trainees to the printing of mark sheet / certificate.

ITI admissions in the State are automated through this s/w. Module I automates the admission. **Module II** covers **attendance**. This covers the attendance and stipend details of all the admitted candidates. Module III of the TRAMS software supports the quarterly and yearly ITI examinations.



All modules are implemented in all the 139 ITI. The system is operational since 2002.

In Admission 2004, more than 1,50,000 applications were processed and merit list announced within a week after last date of accepting the application form. Admission module can work centralized at nodal level as well as decentralized at ITI level.

COMMON MODULES

NIC has developed a number of common modules for different departments as G2G applications. Some of these are:

- 1. Registry and File Tracking & Monitoring System**
- 2. Court Case Monitoring System (CCMS)**
- 3. Record Room Software**
- 4. Employee Personal Information System (EPIS)**
- 5. Accounting System**
- 6. Payroll**
- 7. IT - Stock Management System**
- 8. Expenditure & Receipt Management System**

Jail Information System (JIS)

This S/w developed and implemented by NIC is unique in its objective. This comprehensive system supports the Jail administration in the State to effectively manage the limited facilities available in the jail. This, with the prisoner database, can give more vigor to the jail administration.

The target users are 18 Jails of Gujarat (Central Jail, District Jail and Sub jail). Every jail has setup of computer system with web camera and multimedia system.

This system has following features:

- Multilingual Support with Gist-SDK (11- Indian Language)**
- Photo feature with Web Camera.**
- Merging of different jails data to IG (Prison) office**
- Registers of under trial, Convicted and detainee prisoners.**
- Personnel Information of prisoners.**
- Admission and Disposal of prisoners.**
- Case and Court Diary.**
- Parole and Furlough (Special Leave) information.**



- **Accounting of Prisoner's - Cash and personnel deposits.**
- **Escaped prisoners' information.**
- **Punishment information (Indiscipline in jail) .**
- **Distribution of ration to Canteen for Prisoner's Food.**

Implementation Status:

Implemented in all jails of Gujarat State.

Panchayat Portal

NIC is the TSP for Panchayat Department, Government of Gujarat. As part of the total project, a portal for the department is under construction.

Target users: This portal covers information up to taluka level, so target users are people living in rural areas.

Scope: Useful to rural people in taluka. They can get benefits of various schemes, budget for them, and their taluka level representatives.

Being in local Gujarati language, it will have impact on common man in village because dissemination of activities being carried out for them will be

better conveyed via this PORTAL and that is the objective

Features: It covers comprehensive information for rural people like schemes for them, administrative officers, branch wise officers of dist. panchayat, taluka Panchayat, public representatives, Photo gallery of some important places in their district/ Taluka/ Village etc,

Implementation methodology: It is WEB based portal. It resides on NIC Intranet server as of now. All Panchayats have been accessing it and testing the portal for authenticity of data. Once this is over, by 15th July, it will be ported on Govt. of Gujarat server and accordingly URL and FQDN will be assigned for all districts.

INTRANET APPLICATIONS

Applications on Gujarat State Wide Area Network (GSWAN)

A number of Intranet applications are developed by NIC Gujarat State Centre and hosted on NIC State Server. These applications are accessible over the State Wide Area Network, GSWAN and NICNET from District places and on GSWAN from Taluka places. Some of those applications are as follows:



- Online Bill and Cheque status in pay and accounts office
- Daily rainfall data
- Daily commodity prices
- Market valuation and stamp duty calculation for Document Registration System
- Online Budget
- Land Record Information System
- Taluka level Land Record status reporting
- Passport Status and Application filing on Internet
- IT Stock Management and complaint monitoring
- NIC employees pay slip and FORM 16
- SWAGAT
- Media Response System
- Collection of monthly reports for Cottage Industries
- Antivirus solution for the State net
- World Health Organisation – Integrated Disease Surveillance (IDS)
- Revenue receipt reporting, National permit details, Non-

-use vehicle search for Commissioner of transport

- Daily cause list / Case status of Gujarat High Court
- Letters and file monitoring system
- Monthly progress report for Commissioner of Cottage and Rural Industry
- Treasury Information System
- Scarcity monitoring etc
- Collectors diary
- Collectors Conference
- Indian Road Congress 64th Annual Session

One Day Governance (Nagrik Seva Kendra)

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 package has been implemented at 85 Taluka of Gujarat.

This can be implement in any mamlatdar office having a Server, Client, and Web Cam for taking applicants photo and a laser printer.

User Feedback

"An effort that is landable for its uniqueness, speed and planning. An effort that should be replicated in all district of Gujarat"

Vilasini Ramchandran, IAS

P.S. Revenue, Gandhinagar

"Visited the citizen service center and was overwhelmed by the enthusiasm and the satisfaction of the staff on this excellent environment and service system. i understand citizen also very happy and responsive to this system. Please keep it up. We need more such centers"

Ashish Sanyal, Director

Dept. of IT, Govt. of India, New Delhi

Gujarat Ration Card Computerization (GRCC)

Target User: 225 Tehsil /Taluka Office of Gujarat

Scope: Implementation in all the taluka of Gujarat

**Successfully implemented in 100
taluka out of the 225 taluka**

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 GRegister (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.

The first Software Testing & Training Laboratory of Western Region has started its functions in Gandhinagar

SANDESH : AHMEDABAD

THURSDAY, 24 JUNE 2004

પશ્ચિમ ભારતની પ્રથમ સોફ્ટવેર ટેસ્ટીંગ અને ટ્રેનીંગ લેબોરેટરી ગાંધીનગરમાં કાર્યરત

ગાંધીનગર, બુધવાર
ઇલેક્ટ્રોનિક્સ એન્ડ ક્વોલિટી ડેવલપમેન્ટ સેન્ટર દ્વારા જીઆઈડીસી ઇલેક્ટ્રોનિક્સ એસ્ટેટ, ગાંધીનગર ખાતે ભારતની પશ્ચિમ ઝોનની પહેલી સોફ્ટવેર ટેસ્ટીંગ અને ટ્રેનીંગ લેબોરેટરીની સ્થાપના કરવામાં આવી છે. અહીં ઇન્ફર્મેશન ટેકનોલોજીના વિકેતાઓ અને સરકારી અધિકારીઓ માટે સોફ્ટવેર ટેસ્ટીંગ અને ટ્રેનીંગના કાર્યક્રમનું આયોજન કરવામાં આવ્યું હતું.

વિવિધ ક્ષેત્રોમાંથી આશરે ૫૦ જેટલા વિકેતાઓ અને અધિકારીઓએ આ કાર્યક્રમમાં હાજરી નોંધાવી હતી. ઉદ્યોગમાં કામે લેવાય તે અગાઉ સોફ્ટવેરને ચકાસવાના ઓટોમેટિક પરિક્ષણ સાધનોને આમાં મહત્વ અપાયું હતું. ત્રીજા પક્ષના પરિક્ષણ અને પ્રમાણપત્ર માટે તે એક અસરકારક અને ફરજિયાત સાધન છે.

ઇક્યુડીસીના ડિરેક્ટરે જાતે ટેસ્ટીંગ

અને ઓટોમેટિક ટેસ્ટીંગ વચ્ચેનો તફાવત સમજાવ્યો હતો. સઘળા મહત્વના ઓટોમેટિક ટેસ્ટીંગના સાધનો, મરક્યુરી, સીગ અને આઈબીએમ, રેશનલ ટેસ્ટીંગ સાધનોના વપરાશના મહત્વ ઉપર તેમણે ભાર મૂક્યો હતો. ભાવિની ઇન્ફર્મેશન ટેકનોલોજીમાં ધોરણબદ્ધતાની અગત્યતા તેમણે સમજાવી હતી. આઈટી વિભાગ માટે ધોરણબદ્ધતામાં ઇક્યુડીસી અગ્રગણ્ય

ઇક્યુડીસી દ્વારા આઈટી વિકેતાઓને નિદર્શન અપાયું

ભાગ ભજવી રહ્યું છે. આઈટી ક્ષેત્રમાં સર્વ ધંધાદારીઓને ક્વોલિટી ટ્રેનીંગ આપવા પર તેમણે ભાર આપ્યો. જેથી ઉત્પાદનો ઉત્તમ થાય અને વપરાશ મહત્તમ થાય. ભાવિન પંચાલે ઓટોમેટિક ટેસ્ટીંગ સાધનોની મેથડોલોજી વિગતવાર સમજાવી હતી. ગુજરાત ઇન્ફર્મેટિક્સના નરેન્દ્ર ખેરાએ ભારપૂર્વક જણાવ્યું હતું કે, આઈએસઓ, સીએમએમ, સ્પાઈસ, ટ્રિલીયમ, સિક્સ સિગ્મા અને બૂટ સ્ટ્રેપ તથા અન્યથી પ્રમાણિત થવું ઉદ્યોગો માટે બહેતર થશે. આઈટી વિકેતાઓએ ભારપૂર્વક જણાવ્યું હતું કે, આ ક્ષેત્રમાંના ટ્રેનીંગ વર્ગો અને સોફ્ટવેર ટેસ્ટ કરવાના ચાર્જ તેમને પોસાય તેવા હોય તો વધારે ફાયદાકારક બને. તેમના સોફ્ટવેર એસટીટીઆઈ, ગાંધીનગરમાં ટેસ્ટ થાય તે માટે તેઓ આતુર હતા.

ઇક્યુડીસીના ડિરેક્ટર એલ. એસ. શર્માએ સૌને વિશ્વાસ અપાવ્યો હતો કે, સોફ્ટવેર ટેસ્ટીંગ અને ક્વોલિટી અવેરનેસ કાર્યક્રમો તથા સર્ટિફાઈડ સોફ્ટવેર ટેસ્ટ એન્જિનીયર, સર્ટિફાઈડ સોફ્ટવેર ટેસ્ટ મેનેજર, સર્ટિફાઈડ સોફ્ટવેર ક્વોલિટી પ્રોફેશનલ્સ તેમજ અન્ય ધણા વાજબી દરે અને પોસાય તેવા ભાવે વખતોવખત આઈટી ઉદ્યોગો માટે ટેસ્ટીંગ કરવામાં આવશે.

British Company has started it's Laptop Manufacturing Unit in InfoCity, Gandhinagar



બ્રિટિશ કંપની ગાંધીનગર
ઈન્ફોસિટીમાં લેપટોપ
ઉત્પાદન એકમ સ્થાપશે
ભાસ્કર ન્યૂઝ, ગાંધીનગર, ૫ જુલાઈ

બ્રિટનની એલાઈડ કમ્પ્યુટર્સ ઈન્ટરનેશનલ દ્વારા પાટનગરમાં આવેલી ઈન્ફોસિટી ખાતે લેપટોપ કમ્પ્યુટરનું ઉત્પાદન એકમ સ્થાપી રહી છે. જ્યારે અન્ય એક બિઝનેસ પ્રોસેસ આઉટસોર્સિંગ (બીપીઓ) કંપની રૂપિયા આઠ કરોડના રોકાણના રોકાણ દ્વારા ૧૫૦થી વધુ રોજગારીની તકોનું સર્જન કરી રહી છે.

એલાઈડ કમ્પ્યુટર્સના અધ્યક્ષ હિરજી પટેલે જણાવ્યું કે, ગાંધીનગર ખાતે સ્થપાઈ રહેલું એકમ આ મહિનાના અંતે કામગીરીનો પ્રથમ તબક્કો શરૂ કરશે. શરૂઆતમાં દર મહિને ૭૦૦૦ લેપટોપ સાથે ઉત્પાદન કરાશે. બ્રિટન ખાતેની મુખ્ય કંપનીની ઉત્પાદન ક્ષમતા તબક્કાવાર આ એકમ ખાતે સ્થળાંતરિત કરાશે.

જ્યારે બ્રિટનની જ ક્વોલિટી બીપીઓ કંપનીના સીઈઓ કિસ રોબિન્સને જણાવ્યું કે, ગાંધીનગર ખાતે સોફ્ટવેર ડેવલપમેન્ટ અને ફાયનાન્સિયલ એકાઉન્ટિંગ આઉટસોર્સિંગનું કામ કરશે. આ કંપનીએ હાલ ૫૦ નોકરીઓની તકો સર્જી છે અને આગામી દિવસોમાં તેમાં વધુ ૧૦૦ નોકરીઓનો ઉમેરો કરાશે.

ઈન્ફોસિટી ગાંધીનગર ખાતે બ્રિટનની એલાઈડ કમ્પ્યુટર્સ ઈન્ટરનેશનલ તેનું ભારત ખાતેનું પ્રથમ લેપટોપ ઉત્પાદન એકમ સ્થાપી રહી છે. એનઆરજી ઉદ્યોગ સાહસિકની આ કંપની આ એકમ દ્વારા દેશમાં મોબાઇલ કમ્પ્યુટરિંગ સસ્તાદરે રજૂ કરશે.

દિલીપ ઠાકર



Web Corner

Websites developed by NIC – Gujarat

Gujarat Assembly

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

Gujarat Customs Dept.

<http://www.customsgujarat.nic.in/>

Gujarat State Fisheries Dept

<http://fisheries.gujarat.gov.in/>

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