



BIOMETRIC ATTENDANCE SYSTEM NATIONAL ROLLOUT





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NATIONAL EGOV APP STORE: REUSABLE APPLICATION AVAILABILITY STORE

E-GOV MOBILITY PLATFORM SERVICES

JEEVAN PRAMAAN

FROM THE STATES: UTTAR PRADESH– FOCUSING ON RURAL E-GOVERNANCE

ICT IN DISTRICTS: JAGATSINGHPUR, BILASPUR & SOUTH TRIPURA

INFORMATICS

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EDITORIAL

igital India programme knits together multiple thoughts and ideas into a holistic vision of transforming India into a knowledge economy. Biometric Attendance System (BAS), an Aadhar based attendante system for Government Employees, is a landmark initiative under Digital

India Programme. Our Lead Story



this time gives a comprehensive account of this initiative of DeitY.

In the E-Gov Products and Services section, we have showcased significant programmes envisioned under Digital India including National eGov App Store and Jeevan Pramaan. Aadhaar based Electronic Ration Card Monitoring System in Himachal Pradesh, Pre-Examinations Monitoring System for Anna University, Chennai, e-Gov Mobility Platform Services, e-Registration by Job Seekers in Manipur and Rollout of e-Panchayat MMP in Bihar are other highlights of this section.

The Technology Update section accentuates on the relevance of Apache Cordova while the District Informatics section covers the success story of ICT revolution in the Jagatsinghpur, Bilaspur and South Tripura districts. We have also come up with three all new sections on Cyber Security, Awarded Products and a special section dedicated to Good Governance Day celebrations.

Our regular sections viz. International e-Gov Updates, Cyber Governance, In the News would update you on the latest happenings around the e-Governance domain.

Wishing you a very Happy and Prosperous New Year 2015.

NEETA VERMA

We invite your valuable articles and write-ups for Informatics.

Please send your inputs/contributions/feedback to our State Correspondents or else directly to us at the address below:

•••••

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Ram Sewak Sharma, IAS Secretary Department of Electronics & IT





ver the years, with influx of e-Governance movement in India, numerous ingenious initiatives have been conceptualized to strengthen the Digital Infrastructure & ICT services in the country and to channelize the change enabling technology to the last level. However, the lacunae always existed and there is an urgent need to have an umbrella programme with trans-sectoral approach and transformative agenda. 'Digital India' seeks to realize the goal

of seamlessly integrated services across departments or jurisdictions, preparing India for knowledge based future.

Digital India derives its strength from nine pillars of growth areas- Broadband Highways, Universal Access to Mobile Connectivity, Public Internet Access Programme, E-Governance – Reforming Government Through Technology, e-Kranti – Electronic delivery of services, Information for All, Electronics Manufacturing – Target NET ZERO Imports, IT for Jobs and Early Harvest Programmes. Each of these pillars conform to the overarching philosophy of ensuring that the fruits of e-governance movement can be directly reaped by the common man at the grass root level.

Digital India program is integral in consummating digital empowerment of citizens by ensuring last mile connectivity through bolstering digital infrastructure at various levels. Besides this, the program ensures that people would have a seamless access to various citizen-centric services online and through mobile platforms; a shareable private space on a public cloud besides creation of a suitable cyber security eco-system in the country, in tune with a globally networked environment. DeitY and NIC have a greater role to play in achieving this by catalyzing and leveraging the technological outreach across the nation.

I wish you all the best for the New Year 2015 and for years to come. I hope that NIC will continue with its endeavour to buttress ICT and accelerate e-Governance processes at all levels of governance.

Ram Sewak Sharma

CONTENTS

LEAD STORY

5-7 Biometrics Attendance System-National Rollout

E-GOV PRODUCTS & SERVICES

- 8-10 National eGov App Store: Reusable Application Availability Store
- 11-12 Jeevan Pramaan: Digital Life Certificate for Pensioners
- 13-14 eGov Mobility Platform Services
- 15-16 Aadhaar based Electronic Ration Card Monitoring System in Himachal Pradesh
- 17-18 Pre-Examinations Monitoring System for Anna University, Chennai
- 19-20 e-Registration by Job Seekers in Manipur
- 21-22 Rollout of e-Panchayat MMP in Bihar





FROM THE STATES

23-26 UTTAR PRADESH: Focusing on Rural e-Governance

TECHNOLOGY UPDATE

27-28 Apache Cordova - Hybrid Mobile Apps using Visual Studio

DISTRICT INFORMATICS

- 29-31 **JAGATSINGHPUR:** Marching ahead in e-Governance
- 32-33 **BILASPUR:** Using ICT for Good Governance
- 34-35 **SOUTH TRIPURA:** Taking ICT to the Grassroots



AWARDED PRODUCTS

36-38 Awarded Products

CYBER SECURITY

39 Towards Protecting Web Applications in NICNET

GOOD GOVERNANCE DAY

- 40 Good Governance Day Glimpses (25th December, 2014)
- 41-42 INTERNATIONAL E-GOV UPDATE
- 43-44 CYBER GOVERNANCE
- 45-48 IN THE NEWS



Biometric Attendance System (BAS) -National Rollout

"Digital India" programme of Government of India seeks to transform India into a digitally empowered society and knowledge economy. As a part and parcel of this programme, DeitY/NIC/ UIDAI has implemented Aadhaar enabled Biometric Attendance System (BAS) in all the Central Government Offices in Delhi. The initiative is now being extended to the offices of all the State Governments.



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Edited by MOHAN DAS VISWAM

AS enables an employee to register attendance by using his / her biometric (finger print/iris), which is authenticated online after one-to-one match

with the biometric attributes stored in the UIDAI database against the employee's Aadhaar Number. The system allows anyone to track the employees' attendance on the websitehttp://attendance.gov.in/

The cloud-based attendance software is installed and operated from NIC National Data Centre. For authentication, NIC has further furnished dedicated secure connectivity between National Data Centre and UIDAI Data Centre.

All Ministries / Departments / Subordinate Organizations can access the system using NIC network or through internet connection provided in bhawans / offices. Biometric enabled terminals/devices have been installed in all the offices for marking attendance. The connectivity of terminals / devices is established through Wi-Fi / GPRS/ LAN.

Customized reporting formats for various levels of employees have been developed and facility for centralized compilation and publication of attendance data in public domain is provided as per the requirement.

FEATURES OF BIOMETRIC ATTENDANCE SYSTEM

• BAS is based on Aadhaar Authentication (fingerprint and iris based authentication).



Dr. Ajay Kumar, IAS Joint Secretary, DeitY & DG, NIC

Early Harvest Programmes, of which Biometric Attendance System (BAS) is a part, is one of the important pillars of the Digital India. Implementation of BAS is integral in ensuring punctuality among Government employees through real time monitoring, strengthening the cause of good governance. Built using Open Source tools, BAS is reckoned for its speed of roll-out i.e. 5 weeks in 150 offices. It is planned that BAS will be made fully operational in all the departments/offices of the Central Government. The scalable system will be further rolled out in all the Central Government Offices. Several State Governments have also come forward to implement the programme.



• BAS facilitates real time monitoring and comes with a comprehensive MIS.

• It is a light weight system without any prerequisite of special hardware or algorithm and is compatible with multiple platforms (Windows, Android, etc.) and form factors (laptop, desktop and tablets, etc.)

• The system is robust and self sustainable for small power cuts as it uses tablets at the front end.

• Time taken to record attendance through the system is 1-2 seconds on Wi-Fi & 8-11 seconds on GPRS (SIM).

• BAS is securely integrated with the SMS communication channel. Every time, a new user registers on the system, an SMS is generated and sent on to his/her mobile. Similar is the case with the non-marking of attendance.

HOW BAS WORKS?

To start with, every government organization needs to get registered itself on the portal-http://attendance. gov.in/, where in apart from the organization details, the details of the concerned Nodal Officer also needs to be furnished. Aadhar information has been verified by UIDAI and activated by the Nodal Officer.

Post organization and employee registration, a unique 6 digit ID is generated by the system. The employees have to use this six digit ID to mark their attendance on the biometric sensors (for fingerprint verifications or iris scanning) that is installed in the premises of every Government entity.

An employee can mark his/her attendance on the BAS terminal installed in any of the government buildings. The dashboard generated reports display the location/building from where an employee has marked his attendance.

The connectivity options which are available are Wifi on NICNET/ Internet or broadband and SIM based GSM connectivity on tablets. The front-end system consists of installed BAS terminals such as

Aadhar Card is a mandatory criterion for the employees to register in BAS. The Attendance ID of the employees will be generated by the Aadhar Card numbers. The Attendance ID will be verified only after the employee's an Android tablets or a desktop PC having the client application.

The application prompts employees to provide biometric data via fingerprint or iris scans, which will be sent to the back-end system. At the back-end, there are attendance servers hosted in NIC Data Centre with connectivity to UIDAI for real-time biometric authentication.

The system helps not only get an idea of the number of employees present, but also the number of active BAS devices installed in various government organizations. Users also have the authorization to export this data.

WORKFLOW

• Attendance request from the client is sent with the attendance ID and biometric data on a Centralized Attendance Server.

• The Aadhaar Number mapped against the ID and fingerprints are sent to UIDAI for authentication.

• The authentication response is again sent back on to Centralized Attendance Server. On valid authentication, the attendance is marked.

• The response is finally sent to the client (successfully marked/failed).





Dashboard of the http://attendance.gov.in/

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Overview of the number of "employees present today" in various registered organizations

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The system has an in-built Leave Management System wherein an employee can be marked "on leave". In such a case, no late attendance SMS is sent to the user.

The system maintenance is largely automated. The centralized monitoring of devices is done through a dash-board, push-based updating of software on devices and PCs over the air. BAS automatically switches over to SIM based connectivity once the Wi-Fi goes down. This is also applicable in the case of centralized scheduling of shut-down of devices during out of office hours.

BAS WEBSITE

The website-http://attendance.gov.in/ provides a graphical representation of the attendance numbers in terms of employee registration, attendance activity according to time and authentication of the BAS devices.

The Homepage dashboard provides information regarding the number of organizations registered, registered employees, employees present today and active devices. It comes with a "More Info" button below each of these boxes which directs users to the detailed page with complete breakup analysis of organizations and employees.

Till date, 370 organizations and 70,198 employees have registered themselves through this system using 2809 active devices and this number is increasing every minute. The system has ensured transparency in monitoring the employee attendance in various government organizations. Also, efforts are on to make the system more resourceful and well-equipped for the future needs.

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National eGov App Store: Reusable Application Availability Store

Application stores are ideal solutions for hosting applications and components that can be re-used by other departments at the Centre and the States without investing cost and efforts in development of the same. As a precursor for realizing the importance of application stores, NIC developed the eGov AppStore Framework which was launched in May 2013.



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Edited by MOHAN DAS VISWAM

he eGov App Store/ Reusable Application Availability Store [RAAS] available at http://apps.nic.in is

a common repository and market place of customizable & configurable applications. It offers a forum for user feedback and quality control, and a means of connecting the users with the developers. It supports applications running on different flavours of operating systems (like Microsoft Windows, Redhat Linux, UNIX, etc), databases (like Oracle, Microsoft SQL Server, PostgreSQL, MySQL, etc.) and application servers (like Apache, IIS, JBoss etc).

OBJECTIVES

Following are the objectives of setting up the App Store:

Highlights of e-Gov App Store

- Allows sharing of applications
- Allows search for applications
- Provides basic information about an application on selection
- Allows users to provide feedback & rate an application
- Has two level approval process for contributing applications
- Allows authenticated users to download application
- Application binaries, database and documentation can be downloaded.
- Leveraging the development and deployment of eGov applications
- Easy replication of successful applications across states and organizations
- Avoid duplication of effort and cost in development of similar applications
- Provides a complete eco-system for application deployment & use



• Ensures availability of certified applications following common standards at one place

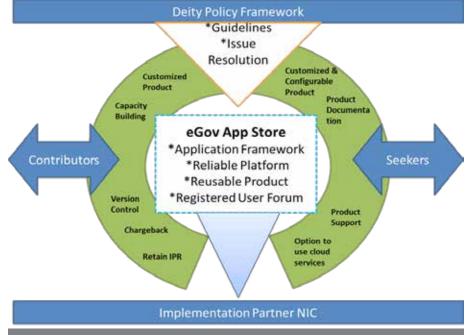
The App Store operates in collaboration mode with all the stakeholders and under the guidance and policy framework of Department Electronics Information of & Technology (DeitY). It also provides technical guidance to the contributors on how to develop the applications in the productized form or reengineer the already developed applications, how to migrate & install the applications and any user related queries. It maintains record of productized applications along with their reviews and ratings.

The App Store provides a national platform to the contributors for showcasing their products for the use of seekers and at the same time empowers them to retain the intellectual property rights of their creation. The app seekers are able to use the product available by configuring it according to their need. Support in terms of product documentation and training is provided to the seekers.

CONTRIBUTING / USING AN APP

Contributing/Publishing an application in the eGov AppStore is a three step process. Authenticated users can contribute an application which is validated by a Validator. The App Store Project Management Unit (PMU) will test and publish the Validated Application. A self assessment checklist is filled up by the contributor which computes a score. This is a means of evaluating how an application rates as a product.

• User may see the demo URL, for test run of the application



eGov App Store Eco System

Published Apps

Domain	Sub Domain	Name of Apps
Administration	MeeSeva	eMunicipalities, eDistrict Kerala, ServicePlus
	eOffice	Collaboration and Messaging Service (CAMS), Digital Signing Tool, Knowledge Management System
	Public Grievance	Public Grievance Portal
Finance	Banking	Co-operative Core Banking Solution (CCBS)
	Accounts	PRIAsoft
Food	PDS	Public Distribution System Common Application Platform (PDSCAP)
Health	Food & Drugs	XLN
	Hospital Management	e-Hospital
	Family Welfare	Mother and Child Tracking System
	Blood Bank	Online Blood Bank, Area wide Blood Bank automation system
Judiciary	Courts	District and Subordinate Courts Software
Agriculture	Information Dissemination	Interactive Information Dissemination System (IIDS)

Domain	Sub Domain	Name of Apps
	Fisheries	RealCraft
	Fertilizer	Mobile Fertilizer Management System
General	Identity ICMS, eEntryPass Management	
	Library Management	e-Granthalaya
	Meeting e-Meeting Management	
	Planning PlanPlus	
	Pollution Control	Online Consent Management and Monitoring System
	Procurement	Government eProcurement System(GePNIC)
	Recruitment	Integrated Recruitment Solution
	RTI Online Certificate Course on RT eForms Fulcrum	
	e-Payment	Pay Online
	Platform Service Mobility Platform Services, D Platform Services	
	Aadhaar Authentication	Demo Application for Aadhaar Authentication and electronic Know Your Customer (e-KYC)

Components & Web Services

Туре	Name of Component/Web Service	
Components	Biometric (Fingerprint) Authentication	
	Generic Mark Certificate Verification System using 2D QR Barcode	
	2D QR Barcode Encoder and Decoder	
	One Time Password Generator	
	SMS Push	
	PDF 417 Barcode Encoder and Decoder	
	Aadhaar Number Validation (Verhoeff Algorithm)	
Web Services	Search as a Service (SAS)- (web service)	
	Aadhaar Based Distribution System (ABDS)	

Highlighted apps are the most viewed/ downloaded apps as per data available on App Store portal

• Users may contact the contributor of the application for configuration, customization, master data preparation and for any issues in the deployment/ use of the application.

• In addition to the above, authenticated users can download the user manual and technical manual.

• For downloadable applications, authenticated users can download the application binaries and database for deployment in their own environment.

• For runnable applications, users can request the contributor for creating the application instance. Once the administrative formalities are completed, an instance will be created for testing/use.

PUBLISHED APPS

As of now, 42 applications/ components/web services are available on App Store. The details of these apps is furnished in the Table.

FUTURE PLANS

Presently, the App Store is a repository of applications and components which were developed for specific requirement of the states/departments. In future, the applications being productized/re-engineered will be made available on the National Cloud for use. App Store will be augmented to include applications and components developed by various departments and agencies at the Centre and the States by including private players. A complete eco-system to run the App Store as a market place will be established (including mechanism for funding, charge back, contract management, SLAs) and will become a part of the GI Cloud initiative under Government of India.

For further information: Please visit http://apps.nic.in or send mail to egovapps@nic.in

Jeevan Pramaan: Digital Life Certificate for Pensioners

In order to transform the entire ecosystem of delivery of public services through the use of ICT, Government of India has unveiled an ambitious programme called Digital India. Jeevan Pramaan (Aadhar-based Digital Life Certificate for pensioners), recently launched by Prime Minister Shri Narendra Modi, is an important initiative under the Digital India programme that intends to benefit over a crore pensioners in the country. The Prime Minister said that after the push towards self-certification, digital life certificate is another enabling mechanism which would benefit the common man.

urrently, more than 1 crore families in India can be classified as pensioner families, where the pension disbursed by the various government bodies forms the basis for their income and sustainability. At present, there are about 50 lakh pensioners of the Central Government and a similar number for the various State and UT Governments and various other government agencies. This also includes pensioners from the various public sector enterprises. In addition to this, the number of Army and Defence Personnel drawing pension exceeds 25 lakhs.

One of the major requisite for the pensioners post their retirement from the service, is to provide life certificates to the authorized pension disbursing agencies like the bank, following which their pension is credited to their account. In order to get this life certificates, the individual drawing the pension is required to either personally present himself/ herself before the Pension Disbursing Agency or get the Life Certificate issued by authority where they have served earlier and have it delivered to the disbursing agency.

This very requirement of personally being present in front of disbursing agency or getting a life certificate often becomes a major hurdle in the process of seamless transfer of pension amount to the pensioners. It has been noted that it causes a lot of hardship and unnecessary inconvenience particularly for the aged and infirm pensioners who cannot always be in a position to present them in front





MOHAN DAS VISWAM Technical Director mohandas@nic.in of the particular authority to secure their life certificates. In addition to this, many government employees post their retirement choose to move to different location either to be with their family or other reasons, hence causing a huge logistical issue when it comes to accessing their rightful pension amount.

Digital life Certificate for Pensioners scheme of the Government of India known as Jeevan Pramaan, envisions to address the root cause of this very problem by digitizing the whole process of securing the life certificate. It aims to streamline the process of getting this certificate and making it hassle free and much easier for the pensioners. With this initiative the pensioners requirement to physically present himself/herself in front of disbursing agency or the certification authority will become a thing of the past, benefiting the pensioners in a huge way and cutting down on unnecessary logistical hurdles.

HOW IT WORKS?

Jeevan Pramaan uses the Aadhaar platform for biometric authentication of the pensioners. A successful authentication generates the Digital Life Certificate which gets stored in the Life Certificate Repository. The Pension Disbursing Agencies can access the certificate online.

• Enroll Yourself

The user has to first download the PC/Mobile application or alternatively visit the nearest Jeevan Pramaan Centre to get himself/herself registered. At the time of registration, pensioner has to furnish necessary information like Aadhaar number, Pension Payment Order No., Bank Account No., Bank Name and mobile number.

Aadhaar Authentication

The pensioner has to provide his/her biometrics, either a finger print or iris for authentication.

• Life Certificate

After successful authentication, a SMS acknowledgement is sent to the mobile number of the pensioners including their Jeevan Pramaan Certificate ID. The certificates are stored in the Life Certificate Repository for making it available anytime and anywhere for the pensioners and the Pension Disbursing Agencies.

Access your Certificate

Pensioners can download a PDF copy of their certificate from the Jeevan Pramaan website by providing the Jeevan Pramaan ID or Aadhaar number.

Pension Disbursing Agency

The Pension Disbursing Agency can access the Life Certificates from the Jeevan Pramaan website, and download the same.

• Electronic Delivery

The Life Certificates can also be electronically delivered to the Pension Disbursing Agency, without any manual intervention. For this, Pension Disbursing Agency has to get in touch of Jeevan Pramaan team, to enable the e-delivery facility.

Pensioners can register themselves from any location by using Android/ Windows PC based application available for download at https:// jeevanpramaan.gov.in/. At present, the Jeevan Pramaan Client application supports the Mantra & Morpho finger print scanner and Iritec Iris scanner for use with the software. Support for other devices are being added



yourself.

Share Pramaan ID with your Bank.

and will be updated in the website in due course of time. As the Jeevan Pramaan software upgrades over the air, therefore for new functionality software will not require re-installation.

The software application system will be made available to pensioners and other stakeholders on a large scale at no extra cost. It can be operated on a personal computer or a smartphone, along with an inexpensive biometric reading device. This facility will also be made available at Common Service Centres, and other Aadhaar-enabled centres for the benefit of pensioners residing in remote and inaccessible areas.

e-Gov Mobility Platform Services

Mobility Platform Services (MPS) is an open, comprehensive and advanced mobile application platform for smart phones and tablets, helping Government organizations of all sizes to efficiently customize the requirements, emulate and deploy on multiple platforms.



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PS allows the Application Service Provider (ASP) to carry out the tasks such as registration

of a mobile app, customization of requirements, registering web services to fetch data from multiple domains and deliver the mobile app on multiple platforms. The mobile apps that are offered from MPS are of two categories namely, Public Information Client providing information to citizen and Work from Anywhere Client for Govt. officials to carry out their field work, data collection, on site approvals and monitoring.

KEY FEATURES

• Customize once and deploy in multiple platforms; development of mobile applications not necessary

• Online and offline mode of operations are supported.

• Information Client App and Secured Work from Anywhere Client App are the two categories available under MPS. • Secure client can be used by the Field Officers in Government for field level verifications, validations, inputs, etc., with location details and photograph.

• Paper-less and efficient way to carry out tasks from anywhere.

• Data exchanged is secure and encrypted over SSL and apps are security audited.

• Unicode is supported and multi lingual apps are available under MPS.

• Easily configurable and reusable and hence can be used by any department across the country

• Geo Coordinates supported and hence field leveljobs can be performed and tracked from anywhere

• Personalization is fully supported. Multiple themes, logo, BG designs are available for various requirements under MPS.

• Statistical Analysis on the usage, pattern, location and device are available under MPS.

• Immediate emulator review after customization over email & SMS

MPS offers two types of mobile clients:

• Information Client (Public/ Internal use),

S.No.	Activity	MPS team	Application Service Provider	Ministry/ Department
1	Register ASP details MPS	~		
2	Registration of APP	✓	~	
3	App Design (Customization)		~	
4	App Preview	✓	~	~
5	App Approval			✓
6	Web service development		✓	
7	Web Service Integration		✓	
8	App release	✓	✓	
9	Security Audit		✓	
10	App roll-out			✓
MPS Roll Mapping				

• Work from Anywhere Client.

AN OVERVIEW OF INFORMATION CLIENT

Information Client can be used by the public or by the department internally. It disseminates information to the public as required. User can query the information from various departments using:

- Textual Data
- Numeric Data
- Dates
- Selection from the given list of options

Information Client also registers the transaction details from the MPS services as transaction logs for statistical & analysis use.

AN OVERVIEW OF WORK FROM ANYWHERE CLIENT

Work from Anywhere Client is a secured client for every government official to carry out their field work or monitoring. This requires authentication and authorization. The mobile IMEI number is verified for every operation that is carried out using this client. The client can be used by Department Officials to carry out their job from anywhere.

Work from Anywhere Client uses the secured (SSL) hosted services, in which the Department user can obtain the information as required. Data collected through secured Work from Anywhere includes:

• Textual Data (numeric, date, alphabets, alphanumeric)

- Photos
- Geo Tag (Latitude & Longitude)
- Selection from the given list...etc.

In addition the Work from Anywhere Client can also collect transaction details such as

- Mobile IME Number
- SIM Card Number
- Date & Time
- User Name and Password as required



Team receiving the e-India innovation in Governance Award 2014

Work from Anywhere Client also registers the transaction details from the MPS services as transaction logs for statistical and analysis use.

INNOVATIONS IN MPS

• SDLC is eliminated.

• Requirement Analysis Prototype phase is live after every design change as SMS, email.

• Iterative Design, feedback/review and the Requirement Freezing

• Alerts can be sent to all stakeholders for concurrence.

• The mobile app is launched as soon as the required domain web service is provided by ASP.

• The architecture is loosely coupled.

• Pay load between layers is encrypted XML data.

• Restful web services are Secured Socket Layer for External application integration.

TECHNOLOGY

- O.S Ubuntu Linux
- Database PostgreSQL 9.2
- Scripts use PHP 5.3
- Web server Apache and Tomcat
- **Framework**-1. Phone Gap Mobile development Framework

2. HTML5/CSS3

GREEN E-GOVERNANCE

Green e-Governance is the application of Green computing practices to the domain of e-Governance. It involves adoption of environmentally friendly practices with respect to creation, use and disposal of ICT facilities. The information client to public and secured anytime anywhere client work flow automation directly and indirectly saves paper from multiple field units at various levels of the department/Government. The data capturing, review and maintenance can be done through the device instead of workflow within the department using papers and files.

AWARDS

The Mobility Platform Services by NIC, Tamil Nadu bagged the prestigious e-India 2014 award under "Innovation in Governance of the year" category.

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Aadhaar based Electronic Ration Card Monitoring System in Himachal Pradesh

The Public Distribution System (PDS) is the distribution of essential commodities to a large number of people through a network of Fair Price Shops (FPS). The system operates under joint responsibility of Central (procurement, storage, transportation and bulk allocation of food grains to states) and State Governments (distribution to consumers through FPS, identification of BPL families, issuance of ration cards, supervision and monitoring etc.). The Electronic **Ration Card Monitoring System** (eRCMS), fully integrated with Aadhaar number of all the beneficiaries, is part of the Ministry proposal for implementing the e-PDS throughout the country.



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Edited by

ver the years, many doubts have been raised about the effectiveness of the PDS scheme all over the country. Reports of commodity

diversion meant for distribution under the PDS, routinely surfaced as the commodities do not reach the intended beneficiaries. Then there is the issue of persons appearing in more than one ration cards for availing benefits under the scheme.

eRCMS seeks to address the challenges and shortcomings of the existing PDS system. Under Phase-I of the project, digitization of ration cards and supply chain application is being carried out for FPS-wise allocation.

In the Phase-II of the project, all Fair Price Shop owners shall be provided with a POS (Point of Sale) terminal, which will serve as a single integrated device to perform sales transactions. The device shall be capable of authenticating the beneficiaries on their Aadhaar/UID details. It will generate the receipt of the transaction once successfully performed.

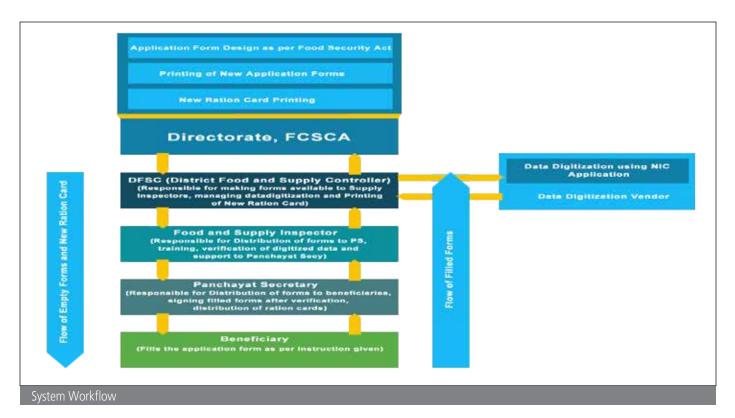
eRCMS

As a first step, the Department of Food, Civil Supplies and Consumer Affairs has digitized the Ration Cards of every beneficiary by taking the beneficiary details directly from the UIDAI database. The software solution developed by NIC Himachal Pradesh uses web services to fetch necessary information from UIDAI database, saving time spent on data entry and also on verifying the beneficiary details.

Priyatu Mandal, IAS Director Department of Food Civil Supplies & Consumer Affairs, Himachal Pradesh

The Public Distribution System (PDS) has been acting as a buffer to the citizens, lifting the very deprived from starvation, and providing relief to the under privileged. Ours is the largest PDS in the world, with the second largest grain bank (after China). Our country spends about ₹ 75,000 crores per year on it, which is about 1% of its GDP. Despite its inefficiencies, the PDS has been largely a success. It has critics that target the way it is managed; but all agree that it must exist. In the state of Himachal Pradesh we are not only targeting to automate the PDS but also to increase the Gross Happiness Index of the residents.

Newly designed Ration Card forms have been printed at the Directorate level and distributed through the PDS network (FPS/Panchayats) to the beneficiaries to provide Aadhaar number details of every beneficiary in the new forms. These filled forms have been collected back through the same channels and given to the short-listed



vendors for completing the data entry. To minimize data entry effort, the UIDAI linkage is used in the eRCMS software through a web service to populate the beneficiary information, including photos of the members. There is a provision to link this new database with PMIS for tagging in database as per inclusion/exclusion list of FCSCA. The digitized data is verified by the concerned inspectors for accuracy and verified digitized data is used to print the new Ration Cards, which are again sent back to the Panchayats/FPS for distribution among the beneficiaries.

SALIENT FEATURES

• Aadhaar linked online authentication of beneficiaries uses UID data through web service; it allows automatic Aadhaar seeding of beneficiaries for FPS automation and reduces de-duplication efforts.

• Enables individual Ration Card search based on family members' Aadhaar number/mobile number

• Covers the process of Ration Card issuance at the Panchayat level in

villages and MC in urban areas

• Re-designed Ration Card format with additional fields and categories as per the NFSA guidelines

• Guidelines / notifications issued to the beneficiaries for filling of new Application form

• Collection of forms at Panchayat level and compilation at the Block level

• Data entry of Ration Card data into the eRCMS at district level through out-sourcing

• Verification of data by the FCS department and locking of the records

• Printing of new Ration Card on A-4 Size paper, Panchayat wise at districts

• Distribution of new Ration Cards to beneficiaries through Panchayats/ FPS

• Automatic Aadhaar seeding of family members based on their UID/ EID details. Aadhaar seeding has been completed for 76 % of the total Ration Cards holder family members' covered, which is quite high. The rest of the members are being requested to provide their Aadhaar number when they are visiting the FPS for ration, to ensure 100% coverage.

• Application has been customized as per the state specific requirements.

• MIS dashboards have been created to analyze and monitor the Ration Card digitization status online through the portal.

• The software is implemented in the entire state.

• Technology used is MS SQL 2012, ASP.Net with graphic tools

As a result of the Aadhaar based Ration Card initiative, the usage of new electronic Ration Card Number has gone down by about 15% in Himachal Pradesh. The reasons could be other but the initiative has proved its worthiness in a very short span of time.

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Pre-Examinations Monitoring System for Anna University, Chennai

Anna University, a unitary type of University, offers higher education in Engineering, Technology and Allied Sciences relevant to the current and projected needs of the society in Tamil Nadu. There are about 580 affiliated engineering colleges and these colleges offer various engineering degrees (UG, PG and PhD) courses to about 6 lakh students. Apart from regular UG and PG programmes, the university offers MCA, MBA, M.Sc. programmes through 16 Distance Education Centres in which about 1000 students are admitted every year. The need to implement a comprehensive web application was felt by the Controller of Examinations (CoE) to capture the non-confidential data about these colleges, study centres, zonal offices, faculty members and the students admitted every year through Regular and Distance Education modes, which Pre-**Examination Monitoring System** seeks to address.

P

r e - E x a m i n a t i o n Monitoring System essentially helps the

Edited by

R. GAYATRI

CoE in monitoring all the activities carried out by the stakeholders. The focus is on capturing the quality

data of students and the faculty members from all the affiliated Engineering Colleges of the state, to ensure examination processing with fewer constraints.

Prior to the introduction of this web application, the data was gathered from all the stakeholders through offline mode using various types of desktop tools. CoE faces great difficulty in compiling the data and processing it for generating the Hall Tickets in time for the eligible students and other reports for each Semester Examination.

NIC Chennai suggested implementing an Open Source based solution to cover all the Non-Confidential Pre-Examination Data Processing activities and a few Post-Examination

activities.

Based on the data schema being used by the O/o CoE, NIC Chennai designed and implemented Pre-Examination Monitoring System web application in January 2013. To begin with, affiliated colleges and the CoE were using this application. Other stakeholders like the Zonal Offices and Distance Education Centres were included in the subsequent phases.

OBJECTIVES

The primary objective of this web application is to enable the CoE to monitor all the Pre Semester Examination Processes effectively and to offer few Post-Examination Services.

• Regular and Distance Education Students:

- Capturing the students' profile and registration of subjects

- Capturing the periodical attendance and internal assessment marks

- Registration for the examinations

- Generating Hall Tickets for the eligible students



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- Semester examination results dissemination

- Registration for revaluation/ review of answer scripts

Affiliated College

- Capturing and updating faculties' profile

- Selecting the suitable examiners for practical and theory examinations

Zonal Offices

- Appointing examiners for the theory and practical examinations

- Appointing squad members and university representatives for examinations

- Appointing examiners for central valuation and revaluation of answer scripts

O/o Controller of Examinations

- Uploading the Master Data to the database server whenever needed

- Transferring the processed data from this system to the secured, confidential data server for further processing

- Monitoring all the examination related activities carried out by the stakeholders

SALIENT FEATURES

• Capturing the complete details of every UG/PG/PhD student

• Registering the students for the semester examinations

• Assigning the elective subjects chosen by the students

• Capturing the periodical course attendance details

• Capturing the periodical internal assessment marks

• Generating the examination hall tickets for the eligible students

• Selecting and allotting the examination related duties to the suitable faculty members

• Capturing the examination absentees details

• Registering the students for the revaluation of answer papers

• Capturing the complete details of every teaching staff member

• Sending e-mail alerts to the staff and the principals concerned with the

examination duty assignments along with the details of date, venue, time etc.

All these data updations can be monitored by the Controller of Examinations by generating various types of periodical reports and Exceptional Reports. Thus, the web application considerably reduces the processing time ensuring timely generation of hall tickets and publication of examination results.

Apart from these processes, following Non-confidential Post-Examination processes are also covered by this web application:

• Disseminating UG/PG Semester Examination Results through web and Android Mobile App, from the separately processed data uploaded by the O/o CoE

• Generating the Results Summary Report for the colleges from the results data

OTHER MODULES IMPLEMENTED

a. Distance Education Centres (DECs) and O/o Director of Distance Education

The above-mentioned modules meant for the affiliated colleges offering the regular UG/PG/PhD courses has been implemented for the Distance Education Centres which offer PG courses in Distance Education mode, after customization. There are 14 such centres functioning under the control of the Directorate of Distance Education. Almost all the options available for the affiliated colleges are made available for the Distance Education Centres module also.

b. Zonal Offices

This module is basically for monitoring the Zonal Offices which involve in the activities like appointing the Internal and External Examiners and Hall Supervisors for all colleges, Flying Squad members, University Representatives, Answer Scripts Evaluators etc. based on the profiles of the faculty members of all the colleges functioning under its jurisdiction. There are 20 Zonal Offices functioning under the control of the CoE, which take care of all the affiliated colleges.

Success of this web application has already reaped been by all the stakeholders the web as application has appreciably



speeded up the entire processing right from capturing the students profiles till the results declaration after the revaluation of answer scripts.

All the 6 lakhs+ students studying in various branches of the 580+ affiliated Engineering Colleges can login using their Register No. and Date of Birth as credentials and view the following details through the Students Corner section of this web portal through out the academic year:

Basic Profile

• Elective Subjects chosen

• Periodical Course attendance details

• Semester Examination schedule for the subjects they have registered

• Semester Examination results (including the results of the revaluation and review of answer scripts)

- Periodical internal marks
- Examination attendance

The same Students Corner section is made available as an Android Mobile App, which has received a huge response from the students' and the parents' community.

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e-Registration by Job Seekers in Manipur

The Employment Service, Manipur came into existence in 1957 and has been working closely with its **Directorate of Employment** as the controlling body for administration, establishment and financial supervision, under which there are nine District **Employment Exchanges**, Town Employment Exchanges and four other units. The project e-Registration seeks to address the common challenges faced by the job seekers while getting registered at various employment exchanges in Manipur.

Т

Edited by RUBAIYAT ALI

he project Employment Exchange Computerization was taken up under the NeGP with funding Department of IT,

from the Department IT, Government of India. As a pilot, it was taken up at two districts - Imphal West and Imphal East covering three **Employment Exchange offices.** These two districts have the maximum number of registered unemployed candidates. Computerization has also been extended to Thoubal District Exchange Office. The online service for registration by job seekers as well as by officials for issuing the registration card is made available using CASE ver 2.0, given as a link in the state directorate portal <u>http://</u> employmentservicemanipur.nic.in.

PROJECT OBJECTIVES

• Deliver services to job seekers and prospective employers in the minimum turn-around time ensuring less physical interaction with the department

• Bring the services of the Government closer to the door steps of job seekers

• Eradicate cumbersome, time consuming and non-value adding services of the department

• Develop interfaces among various Employment Exchanges to facilitate seamless sharing of information for better administration and governance

• Provide efficient and real-time employment MIS to the department

FEATURES OF THE APPLICATION SOFTWARE

CASE ver. 2.0 (Common Application System for Employment Exchanges) was inaugurated on December 31, 2008 by the then Chief Secretary of Manipur, Shri Rakhesh. Since then it has been running successfully in the state. The CASE application was developed by NIC Delhi and customized for the requirements





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SERVICES PROVIDED

- Online Registration by job seekers
- Renewal of Registration
- Updation of qualifications and other details
- Easy download of Registration Form

SYSTEM WORKFLOW

Once job seekers submit details of their qualifications choosing the exchange of his/her jurisdiction, an Acknowledgment Card along with a temporary Registration Number is generated by the system in printable format. In case registration is done by the candidate herself/himself, original documents along with the Acknowledgment Card are to be submitted to the exchange for verification within 15 days and for issuance of the signed Registration Card. The user-id and password are emailed to the registered mail-ids of the users (job seekers/officials) for future use.

S.No	Exchange Name	Date of Commission	No. of Registrations		
1	Imphal West	December 31, 2008	35,527		
2	Imphal East	February 1, 2010	24,246		
3	Thoubal	January 1, 2011	13,812		
4	Manipur University	February 9, 2010	882		
Registr	Registration Status				

Job seekers can also register themselves through Exchange Counters by submitting filled-in Registration Form to get the signed Registration Card.

An authorized user (Registration Clerk) of the department can log into the system and update the information of the candidates. The Employment Officer can also log into the system and verify the data submitted by the candidate. The computer-generated Registration Card signed by the Exchange Authority is issued to the candidate. The software incorporates features to update photograph and other details of the candidate

TECHNOLOGY USED

Open Source based application in Java, J2EE Architecture: MVC II

Framework: Struts 1.x



OS: Red Hat Enterprise Linux version 6.x

Web Server: JBOSS Application Server 5.x

Database: PostgresSQL version 8.4 or above

MAJOR BENEFITS

The system is available 24×7 .

• Instant registration status is readily available.

• No more record keeping and searching of job seekers manually

• The system reduces redundant task of manual registration and searching of records from the huge volume of data at Exchange offices.

• Less time in registration and renewal

• The system facilitates greater transparency and accountability.

• Monthly, quarterly, yearly employment statistics reports are also available on the web.

CONCLUSION

With computerization of the Employment Exchanges, Manipur is well on the path of elimination of human errors in data processing, making exchanges more transparent, efficient and accountable. Now, records of the Live Register and others can be maintained without any hefty costs or any threat of data loss due to natural calamities including fire hazard.

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Rollout of e-Panchayat MMP in Bihar

To make Panchayats accountable, transparent, inclusive and empowered, e-Panchayat Mission Mode **Project under National** e-Governance Plan is being rolled out at all the three tiers of Panchayati Raj Institutions (PRIs), viz. 38 **District Panchayats**, 531 Block Panchayats and 8398 Gram Panchayats by Panchayati Raj Department, Govt. of Bihar with technical support from State and District Centres of NIC. This project is being implemented under the guidance of Ministry of Panchayati Raj, Govt. of India with the help of e-Panchayat Enterprise Suite (PES).



ES is a suite of 10 Common Core Applications, developed by NIC (HQ). NIC Services

Inc. (NICSI) provided valuable support in the process. The project is being rolled out in every Panchayat of Bihar state by Panchayati Raj Department, Bihar to empower them with inclusive development and to lay down a more accountable and transparent system. Panchayat institutions are also getting empowered by switching over to digital and online platforms.

BEST PRACTICES

The main focus of e-Panchayat MMP was on infrastructure creation, capacity building and e-Governance through PES applications. To achieve this, following activities were carried out in Bihar:

1. Panchayat IT-Cells were set up

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e-Panchayat Enterprise Suite Applications

at the state capital and at all the 38 districts and 531 blocks.

2. State Project Management Unit (SPMU) was set up at state capital while District Project Management Units (DPMUs) were created at all the 38 districts.

3. Suitable hardware, software and connectivity were provisioned for these IT-Cells and Project Management Units.

4. Workforce comprising of four State Program Managers (SPMs), 38 District Program Managers (DPMs) and 531 Block Panchayat IT Operators was created.

5. Proper capacity building exercise including training, review and monitoring of the workforce was carried out.

Further, computers and connectivity are being provided to every elected representative of Panchayati Raj Institutions (PRIs) along with proper training. Employees of PRIs are also being trained for computer usage.



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UMA PRASAD MITRA Senior Systems Analyst & Team Member up.mitra@nic.in



Status of e-Panchayat Roll-out

S.No.	Applications	Achievement
1	PRIA Soft	82.04% PRIs have disclosed their accounts online for the Financial Year 2013-14
2	Plan Plus	Plans of 96% PRIs are in Public Domain
3	Action Soft	Work under progress for all PRIs for the Financial Year 2013-14
4	Local Government Directory (LGD)	100% Village Mapping completed
5	National Panchayat Portal (NPP)	Close to 100% District and Block Panchayats completed their portals
6	National Asset Directory	Recently rolled-out, Entries in progress for BRGF
7	ServicePlus	Piloting being done at GP-level in Katihar District
8	Area Profiler	77% PRIs have completed their Profile
9	Training Management	Being used
10	Social Audit and Meeting Management	Yet to be rolled out
11	Panchayat Empowerment & Accountability Incentive Scheme (PEAIS)	87% completed
12	GIS	Gram Panchayat layer prepared in Bihar- GIS Application

SUCCESS

Over 70% Panchayats in Bihar have become digital and are connected to Internet. Accounts, plans and other information of Panchayats are available on the public domain. They are now gearing up to provide government services to the citizen



at their doorsteps. The efforts and results have been widely recognized by the public as well as by the government. The journey has not been easy and against many odds, such as lack of buildings, manpower, computers, connectivity, electricity etc. For successful implementation of e-Panchayat, Bihar has achieved 3rd prestigious position in National e-Panchayat Puraskaar 2014 of Govt. of India.

FUTURE ENDEAVORS

Plans are there to construct entirely new multipurpose Panchayat Sarkar Bhawans (PSBs) at every Gram Panchayat in Bihar with necessary IT and non-IT infrastructure. In the 1st phase, 1830 PSBs are already in different stages of construction.

It is also planned that adequate number of administrative and technical manpower will be provided to every Panchayati Raj Institutions (PRIs) on regular basis under Rajeev Gandhi Panchayat Sashaktikaran Abhiyan (RGPSA). These infrastructure and manpower will further support and augment the e-Panchayat MMP rollout in the state.

The point from which Panchayati Raj Institutions (PRIs) in Bihar started its journey to digital empowerment and the pace at which they are steadily moving ahead are incredible. Certainly, they have the potential to be on top at national level in near future.

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Uttar Pradesh: Focusing on Rural e-Governance

Uttar Pradesh is the most populous state in the country accounting for about 17 percent of the country's total population. It is the fourth largest state in terms of size with 75 districts and nearly 1.06 lakh villages. However, it is a little known fact that Uttar Pradesh was one of the first states to kick start ICT initiatives in e-Governance. The state already has a fully automated treasury system; online land records information, fully functional transport system, web based commercial tax & social welfare portals, online recruitment and transfer processes. Many other sectors like land registry, urban & rural development, health & family welfare are already at advanced stages of computerization. Uttar Pradesh is also leading in implementation of a number of NeGP projects such as e-District, SSDG & SWAN.



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stablished in 1988, NIC, UP has partnered with the State Government in its endeavour to automate the

government processes and reach out to the citizens using ICT. During this period of 25+ years, NIC has rolledout a number of initiatives using the latest trends and technologies in IT, driven by an aim to develop the state by empowering the masses. These e-Governance projects are not only making the lives of the citizen easier by taking government services to their doorsteps, but have also made the administration quick, responsive, transparent, hassle-free, and easily accessible.

PRESENCE & SERVICES

NIC has presence in all the districts of the state and strategic departments such as Chief Minister's Office, Board of Revenue, High Court, Finance Department etc. to provide 24x7 IT Support. The network connectivity through NICNET, NKN, SWAN & SCAN (Sachivalaya Campus Area Network) has more than 15,000 10,000+ email accounts nodes, and 10 Gbps Internet bandwidth extended to all Tehsils & Block level through 885 PoPs (Point-of-Presence) of SWAN. NIC Data Centre houses more than 100 servers hosting 450+ databases and 200+ websites. NIC also extends studio & desktop based video conferencing services to various functionaries of the State Government, districts courts and jails.



Hon'ble Chief Minister inaugurating the Samajwadi Pension Scheme in Nov. '14



SOFTWARE PROJECTS AT STATE LEVEL (DESIGN, DEVELOPMENT & IMPLEMENTATION)

The e-Governance initiatives in the state cover the entire spectrum of interfaces - G2G, G2C, G2B, G2E & G2S. Majority of these initiatives are aimed at bridging the digital divide and to extend the many potential benefits of ICT to people residing in remote and far flung areas of the state, in particular, to improve their social, economic and cultural wellbeing.

There are more than 50 large scale IT projects implemented across the state. Ranging from citizen centric services to recruitment processes, online counselling, direct to bank transfers, Net banking, mobile based applications, online information access to people and government departments, handling of public grievance and secured financial transaction.

eDistrict: Service Delivery at doorstep of citizen (http://edistrict.up.nic.in)

eDistrict is a State Mission Mode Project under NeGP. The project was started with 6 pilot districts (Sitapur, Raebareli, Sultanpur, Gorakhpur, Gautam Budh Nagar & Ghaziabad) in 2008. It provides 22 services ranging from certificates, pensions, ration card, employment registration etc. to the citizens from the eDistrict Centres & Common Service Centres/Lokvani Centres established in districts and villages respectively. The complete process right from application to final delivery of certificates has been automated. The web based application ensures 100% roundthe-clock electronic workflow and application tracking. Dashboard based MIS & Escalation Matrix ensures the adherence to the service levels and technology such as digital signatures has been used for approving the application & issuing the certificates.

More than 120 lakh certificates have been issued to people through the system. Recently, online facility for the services has been launched for the citizens. The project is being replicated in remaining 69 districts.

State Portal, SSDG & eForms (http://uponline.up.nic.in)

It is another citizen-centric project that provides 26 services to the citizens from Common Service Centres & Kiosks right at their doorstep. In addition to the 14 eDistrict Services, the portal also provides the facility to apply for certain social benefit schemes from the Woman Welfare, Handicap Welfare and Social Welfare Departments.

Implemented in 69 districts in 2012, the project has already delivered 2.5 crore services to the citizens.





Various awards received by NIC, UP State Unit

Integrated Social Pension System (http:// sspy-up.gov.in)

The system has been implemented to benefit more than 1 crore pensioners of the state through direct transfer of pension to their bank accounts for four schemes (Old-age, Widow, Handicap & Samajwadi pensions). It is a major step towards financial inclusion and is one of the few systems integrated with banks & Public Financial Management System (PFMS) of GoI for ensuring that the benefit reaches the correct individual.

The system was launched by Hon'ble Chief Minister on 4th November 2014. Nearly ₹ 1,800 crore as pensions was distributed in 2013-14 through the system.

Empowering & Educating through 'eScholarship'

(http://scholarship.up.nic.in)

'eScholarship' is a first of its kind project in the country to have used IT based initiative for electronic transfer of scholarships directly to the bank a/c of the beneficiaries. The project was aimed to reach the right and deserving candidates within time frame and without leakages, increase transparency in distribution of scholarships to the students and build a comprehensive MIS for the Government & devise a tool for proper monitoring, control & planning.

Implemented in 2008, the project benefits more than 4 crore students every year through reimbursement of scholarships and fees for higher education to students of OBC, SC, ST, Minority & General categories.

The project is the winner of NASSCOM Social Innovation Honours 2013, eMaharashtra & Manthan Awards.

Commercial Tax Computerization (http://comtax.up.nic.in)

Uttar Pradesh is also a pioneer in VAT (Value Added Tax) Computerization. The project started in 2008, as soon as VAT was adopted in the state. The main highlights of the system include.

• A Web based Single Window Receipt & Registration process for dealers

• Vyapari Suvidha Kendra at 94 locations across the state acting as one stop shop for all type of receipts

• NET Banking through ePayment & eChallan to provide easy & efficient financial transactions without standing in queues

- · e-Return filing for traders
- Automated Input Tax Credit
- Online TDF Generation for transit authorization of goods
- Online eSancharan (Form 38,31,21)
 & CST e-Forms(C,E1,E2,H,F,I)

The application & services offered have received widespread appreciation from the business community. The major achievement has been that traders are no longer required to visit the Commercial Tax Offices for each and every activity. There are 11 lakh registered dealers in the system and more than ₹ 1,75,000 crore has been deposited by ways of eReturn.

Transport Computerization

VAHAN-Vehicle Information System & SARATHI - Driving License Issuing System are two core activities of the transport computerization that touches the lives of almost all citizens. VAHAN has automated services like vehicle registration, fitness, fee/tax collection, permit and enforcement under a secured environment. While Smart Card based Driving License (SCDL) issuance through SARATHI software ensures issuance of tamper proof plastic card with microchip processor embedded in it. The system restricts the issuance of fake driving licenses and helps in maintaining the complete database of licenses issued.



Hon'ble Chief Minister Shri Akhilesh Yadav launching the SCDL based License System

Other online services for citizens include:

- Online Tax Payment System for commercial vehicles of UP
- Online Tax Payment System for commercial vehicles from other states
- Online Booking System of fancy Registration Numbers

'OASIS' – Online Application Form Submission Information System for UP PSC

This is probably the only application in the country that has converted the entire recruitment process into an end-to-end electronic process right from application to final result announcement and issuance of letters.

- All recruitments direct or examination based since 2010
- 7 recruitments including PCS Prelim carried out in 2014
- The time taken for complete selection process reduced from 200+ days to 45 days.
- Remarkable improvement in number of out of state applications

- More than 10 lakh registrations in 2014 & 20 lakh in 2013
- SMS and Email to provide registration & fee related information
- Fee deposition through e-Challan/i-Collect from SBI & PNB
- Admit Card generation and result announcement through web

The system has been adopted by UP Police Recruitment Board for their recruitments.

The list of successful applications is long as it features-Ration Card Computerization for the entire state, the data of 17 crore beneficiaries is available on NET, eProcurement through which System tenders worth ₹ 1 lakh crore have been published and awarded, Treasury Computerization whereby the entire treasury transactions are available online, Land Records with Khatauni on web, Court Case Computerization, Web Based Revenue Court System, Urban Local Body Computerization,

Hospital Management & Online Drug Procurement & Inventory Control System, eOffice implementation, etc.

There are many innovative applications developed and implemented at the district level which are making news across the country such as Easy Gas and Kisan of district Gonda, My City of Kanpur, Jan Suvidha Kendra of Jhansi and Mother & Child Health System of Aligarh. All these are small steps towards building an IT enabled state where citizens are benefited with the IT enablement of the services.

Even the State Government is focusing on both - the backend process automation of the government departments with adoption of projects such as eOffice and online recruitment/transfers, and also on the front-end-where services are being provided to the citizens in an easy and affordable manner through Internet or nearest kiosk. Various IT policies have been adopted, infrastructure is being enhanced and a large scale Government Process Re-engineering is going on to modify the archaic rules into simpler procedures. UP being a large state, the impediments are many but it is a belief that if an application is successful in UP then it is has already benefited one fifth of the population and is ready for the country by passing the diversity test to a great extent.

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Apache Cordova: Hybrid Mobile Apps

With the low cost smart phones creating buzz in the market, mobile application development is grossing highest craze than ever among the user groups. Many Government departments of India, including Election Commission of India. have tested the flavour of mobile applications. However, challenges in the mobile application development era are many. High developmental cost and platform specificity are the most vital issues. Different mobile manufactures use different platforms and different developmental languages, which is leading to sharp development time curve.



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WHAT IS APACHE CORDOVA?

Apache Cordova is a set of device APIs that allow a mobile app developer to access native device function such as the camera or battery status or geo-location from JavaScript. This basically works like a wrapper so that developer does'nt have to use platform specific native APIs and wrapper enable developers to write mobile applications using HTML, JavaScript and CSS only using Cordova.

PLATFORM SUPPORTED BY CORDOVA

Cordova support platform in three different modes as Sun Set, Core and Horizon. Cordova supports for Sun Set category of platforms are slowly being withdrawn whereas Core platforms are strongly supported. The Cordova development community is eyeing the horizon category of platforms.

WHY NOW WE ARE SERIOUS ABOUT THE CORDOVA?

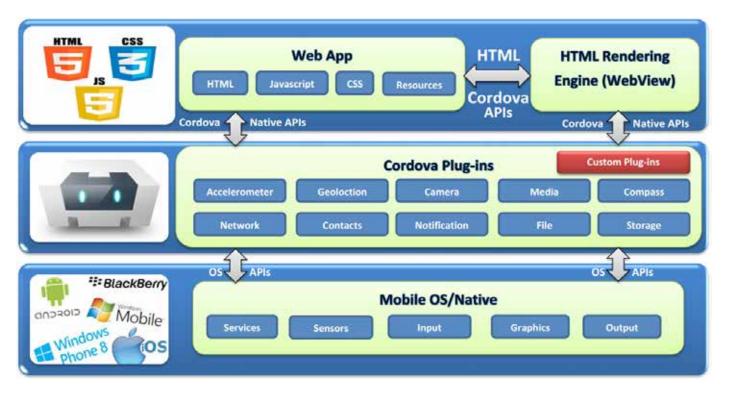
Visual studio and .net are mostly used in software development environment. But it was facing strong criticism from pro open source community. To address the criticism on its Proprietary Licensing System, Microsoft first took a major step by opening the source code of .net Framework for viewing with restriction to build. In the next concrete step it announced .net Framework as complete open source. Not only this, it also announced the release of Visual Studio Community Edition completely free for individuals and for companies having less than five employees. Companies with unlimited employees, contributing to .Net Open Source Foundation, can avail it free even for commercial purposes. The Cross Platform Support has been further extended to Linux and Mac Systems.

In this context, the important dimension of Cordova is that "Visual Studio now supports Cordova". Hence, one can:

- Write Cross Platform mobile Applications using Visual Studio,
- Get good intelligence while writing code for mobile devices,
- Get multiple mobile simulator programs directly from the Visual Studio.

Cross-platform Mobile Apps development for iOS, Android,

Sun Set	Core	Horizon
Symbian	iOS	Tizen
WebOS	Android	Qt
Bada	Windows Phone	Firefox OS
	Windows 8	Ubuntu Mobile
	Black Berry	Windows (Win32)
	Amazon Fire OS	



Windows devices and many more using Visual Studio Tools for Apache Cordova is now possible. With an extension for Visual Studio 2013 Update 4 or Visual Studio 2015 Preview, Visual Studio provides the tools one needs to get started building the application using HTML, CSS, and JavaScript based on Apache Cordova. In simple word, using Visual Studio one can write mobile application using only HTML, JavaScript and CSS which can be packaged to be installed in various mobile platforms with little or no change in code.

NATIVE API AND CORDOVA RELATIONSHIP

Every hardware device is controlled by a piece of software popularly known as drivers. These drivers expose APIs to allow other applications to communicate with it. To assure the security level, it only allows the application running behind the OS level Sand Box. In mobile application development, for interaction with the APIs of device drivers, one should have in-depth knowledge of the native APIs of all platforms you need to provide. Cordova works like a wrapper to all those native APIs so that the developer only needs to communicate with the Cordova API. Cordova having the understanding for all the major mobile platforms communicates with the native APIs. These wrappers are bundled as plugins. Let us explore this through an example of camera capture module:

Call Cordova_Camera_ API takePicture() -----Cordova API to take control on camera If (Device_type== "Android") { Call { android.hardware. camera2API(); ----- Android API to take control on camera} If (Device type="IoS") { Call IoSUIImagePickerController(); ----- IoS API to take control on camera} If (Device_type="Windows")

{ Call Windows. Media.Capture API(); ------ Windows API to take control on camera}

POWER OF CORDOVA

Accessing the device's resources through native code requires lot of initialization and permission setting, bunch of code etc. Whereas using Cordova it can be achieved through few lines of elegant coding to access the same. Due to the single codebase of application, it is easy to maintain the apps for any bug closing and new features enhancement.

Extended time and cost involved for acquisition of new skills may be avoided using Cordova as the same web development skills can be re-used for m-Governance.

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Jagatsinghpur: Marching Ahead in e-Governance

Enriched with glorious cultural heritage, Jagatsinghpur district was formed after bifurcation of erstwhile Cuttack district and is surrounded by Bay of Bengal in the east, Cuttack in the west, Kendrapada in the north and Puri district in the south. Paradip Port is the pride of Jagatsinghpur as well as the state of Odisha which is one of the major ports of India. With a geographical area of 1759 sq km, it is the smallest district in Odisha.



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Edited by PRASHANT BELWARIAR

IC-District Centre came into existence in1996 and played a pivotal role in spearheading ICT initiatives in District

Administration. Equipped with state-of-the-art infrastructure with a dedicated 100 mbps leased line along with SCPC, DAMA, VSAT & nationwide Video Conferencing facility, the centre is the hub for total IT solution. consultancy implementation of various and e-governance projects & applications.

MAJOR ICT INITIATIVES

• **District Website:** The district website (http://jagatsinghpur.nic.in) has been designed, developed by NIC to host government information in the public domain. The website flourishes important information regarding the district and various services provided by the district administration.

Vehicle Billing System: This a G2G intranet application is implemented for government departments for hiring/requisition of private vehicles for government duties and their subsequent relieving and bill payment. The application generates bill as per the government prescribed format for each hired vehicle based upon prescribed hired rate per day for each vehicle, Kms. traveled per litre etc. It is proposed to provide SMS alerts to vehicle owners regarding bill payment. The application uses .Net technology as front-end and MS SQL SERVER 2005 as backend.

• Disaster Management: NIC

Satya Kumar Mallick Collector & District Magistrate

It is my immense pleasure to learn that the quarterly News letter of NIC "INFORMATICS" is likely to publish the ICT activities and e-Governance initiatives being taken by the District Administration at Jagatsinghpur through active involvement of NIC.

The keenness and proactive support from NIC officials to roll out various e-governance projects, sharing of government information through district website, dissemination through Touch Screen based Information Kiosk, Helpdesk cum Public Facilitation Centre, Land Record Computerization, active support during General Elections, PRI Elections and disaster management has been quite commendable.

I congratulate the entire team of NIC, Jagatsinghpur under the able leadership of Shri Bibhuti Bhusan Rout, District Informatics Officer who have been working tirelessly and relentlessly providing sustainable support and services to District Administration & I hope to carry forward e-Governance to reach at the unreached in the district.



District Centre has been providing

required ICT support at the time of occurrence of a natural disaster. Online Reporting of daily rainfall from blocks, development of WEBGIS, updating IDRN website (http://idrn. gov.in), Daily Situation Reporting & MIS support for assessment of damage and District Disaster Management Plan are some of the focus areas.

• General & PRI Elections: NIC District Centre has been providing total ICT solution towards management of election process during General Elections to Lok Sabha, Orissa Legislative Assembly and 3-Tier PRI elections as per the guidelines from ECI and State Election Commission. The main activities include IT enabled randomization of Polling Personnel, EVMs, formation of polling parties, generation of Appointment Orders, TA/DA aquittance, data processing for voter turnout & polled votes and finally result transmission.

• Computerization of Land Records (CLR): The Bhulekh application has been implemented in all the Tehsils of the district and RORs for 1320 Revenue Villages have been digitized. Subsequent to mutation, the ROR database are being updated by user department from time to time and uploaded on Bhulekh web server at regular intervals for public access.

• **WEBGIS:** With the available data from district administration, NIC District Centre has developed dynamic GIS for Jagatsinghpur with support from the GIS team at NIC State Centre.

• **Document Management System** (**DMS**): Digitization of old revenue case records at all Tehsils and district office are in progress and as soon as the digitization is completed the DMS will be implemented to capture and manage the case records in digital format.

• **Teachers Transfer Portal:** An online web based transfer system for Elementary School Teachers' has been implemented. The system provides easy access to the Elementary School Teachers for application, verification, consolidation and monitoring of their transfer requests.

• Online Filing of Entrepreneurship Memorandum (EM-I & EM-II): This is a single window system for entrepreneurs, implemented successfully for District Industry Centre under Department of Micro, Small, Medium Enterprise (MSME),Odisha (http://msmeodisha. gov.in/).

• Immigration Control System (ICS): ICS is an INTRANET application, which prescribes for checking the LOC/LOP database for particular person (foreigners / Indians) & clearance for his/her entry/exit while departing as well as arriving in India. After checking, the details of the person are filled up in a separate module called DE Card Entry and is maintained for future reference. This project is implemented only at Jagatsinghpur district among the other 43 border area Immigration Checkposts (ICPs) across the country.

• **IVFRT:** IVFRT is an important



IVFRT workshop at Paradip

MMP under NeGP. It's various modules like c-FRO, c-Form and s-Form are already operational in the district. DIB from SP Office is the implementing agency for the project.

• **ReAL Craft:** It is a work flow based online application system for registration of fishing vessels operating along the Indian coast for better coastal security. It is a national project implemented in all the coastal states and UTs. Fishing vessel owners, Coast Guard, Navy, Marine Police, Fisheries Department, Insurance Agencies, State and Union Ministries are the major stakeholders of the project.

• NADRS: NADRS has been made operational at all nodes of Animal Husbandry Department in the district. The project has been implemented and outbreak of animal disease if any, is reported by the block level Veterinary Officers.

• e-Courts: e-Courts has been implemented in the district to strengthen day-to-day functioning of Judicial Courts. Three Judiciary Court Complexes have been included viz District & Sessions Judge, SDJM Sub-Judge Court at Kujang. & Necessary ICT infrastructure has been established.

Recruitment • & **Training:** Necessary IT support is provided



to the District Administration for recruitment processes from time to time by managing applicant database and generating Admit Card, Merit list and conducting Computer Skill Test. Also several Computer Awareness cum Capacity Building Training Programs are undertaken to facilitate effective implementation of ICT projects & e-Governance applications.

• e-Governance **Applications:** Other e-Governance applications rolled out in the district includee-Abhiyog for Online Public Grievances Redress & Monitoring System, Paddy Procurement System, e-District, e-Scholarship & MOMAS



Inauguration of Help Desk

Automation of Scholarship for Disbursement System for postmatric students from SC/ST/OBC & Minority communities, E-MPR (G2G services for monitoring LA cases at different stages), e-Procurement for Online Tendering System, E-Mamata (a system for tracking mother & child for drop out & left out of regular maternal & child health services), Track Child to facilitate the matching of 'missing' children being reported at Police stations with those 'found' children who are now within the Child Protection System under ICPS/ Juvenile Justice) etc.

• Other National level e-Governance like HORTNET, Projects AGMARKNET, CONFONET (District Consumer Forum) were successfully rolled out in the district.

Information Kiosk: A touch screen based Information Kiosk has been set up at District Office to provide online access to various government services, schemes & other useful websites.

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BILASPUR, Himachal Pradesh : Using ICT for Good Governance

Bilaspur, one of the twelve districts of the beautiful state of Himachal Pradesh, lies in the outer hills of the Himalayas next to the Punjab plains. It covers an area of 1,167 sq. kms. Its boundaries touch Una, Hamirpur, Mandi and Solan districts. Satluj is the main river which passes from the middle of the district. Hindi & Pahari are the main languages spoken here.



RAKESH KUMAR, District Informatics Officer, rakeshkr.s@nic.in

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Edited by

IC District Unit, Bilaspur was established in the year 1988. Since then it has taken rapid strides in using ICT

for promoting e-Governance for the delivery of citizen-centric services in the district.

MAJOR E-GOVERNANCE INITIATIVES

Sugam Kendras: To provide efficient, transparent and citizen friendly IT enabled services, e-Governance Centres have been established at all Sub-Divisions, RTO and Tehsils in Bilaspur. These centres provide Government services under one single roof. These services are:

- Issuance and renewal of Driving & Conductor Licenses, vehicle registration, Road Tax collection, etc. using Vahan and Sarathi software
- Issuance and renewal of Arms Licences using eShastr application

• Registration of Deeds using HIMRIS software

• Issuance of RORs to the land owners using Himbhoomi LMK web interface

• Aadhaar registration and issuance of e-Aadhar

LokMitra: The project is extended upto the village level where Village Level Entrepreneurs are working as front-end delivery centres for various Government schemes. The copies of ROR's, various certificates, electricity and water bills are some of the services



Manasi Sahay Thakur, IAS Deputy Commissioner

I wish to take this opportunity to thank the NIC Unit, Bilaspur for their support and cooperation in implementing various e-Governance initiatives in the district. Bilaspur was among the first 18 districts in the country to implement Direct Benefit Transfer for LPG, pre/post matric scholarships schemes.

I believe that NIC will keep up this good work and continue to provide us with technical expertise, innovative ideas and action plan for successful implementation of ICT for the benefit of citizens.

being provided by these VLEs under the PPP model.

REVENUE DEPARTMENT

• HIMBHOOMI & HIMRIS: HIMBHOOMI (Land Records Computerization) and HIMRIS (Land Deeds Registration) are the two important projects implemented in the district. On 13 March 2005, Tehsil Bilaspur was the first one to be computerized. Today, all Tehsils/ Sub Tehsils of the district are fully computerized.

• LokPraman Patra: This is a work flow based online application for issuance of 14 types of certificates. Citizens can avail the facility of reissuance of duplicate copies of 9 types of certificates through Sugam and LokMitra Kendras.

FINANCE AND TREASURY COMPUTERIZATION

• **eKosh:** eKosh software has been implemented in all the treasuries of the district. Online bills processing, submission, budget allocation is done till the ECS based payment to the beneficiary accounts.

• **ePension:** This is a web based system used for management of pension scrolls and arrear calculation for pensioners.

• **e-Salary:** e-Salary helps to generate salary scrolls of the employees of various departments.

SOCIAL JUSTICE & EMPOWERMENT

• **e-Kalyan:** e-Kalyan software is used for disbursement of welfare pensions through Bank Accounts, MOs and Post Office Accounts.

• **e-Pehchan:** This is a web-based application used for issuance of the disability and senior citizen identity cards.

• Direct Benefit Transfer (DBT): DBT is GOI flagship programme being implemented for direct transfer of benefits to the beneficiary's bank account under centrally sponsored/ state schemes. Bilaspur was among the first districts in the country to implement DBT.

• Manav Sampada: Manav Sampada is a web-based application for managing full details of employees and to generate service books electronically.

• **e-Samadhan:** e-Samadhan is a web-based, role based system implemented in all the departments for online redressal of public grievances/ demands.



Dr. Ajay Sharma, then Deputy Commissioner, Bilaspur attending DBT Meeting through Video Conferencing

• Kanoon Vyavastha: This application is used to automate various processes of Police Stations, by capturing all data related to crimes and criminals. All 7 Police Stations of the district are now linked to State Police Portal.

• Schemes MIS: It is a webbased system for sanctioning funds, monitoring of physical and financial progress of various developmental schemes under implementation by various executing agencies.

• **eRozgar:** This system implemented at all employment exchanges facilitates unemployed youth in online registration process.

• **District Website:** The official website of District Bilaspur (http:// hpbilaspur.nic.in) has been designed and maintained by NIC District Unit. It is a one-point-source of information for various stakeholders regarding history, fact-file, culture, citizen services etc.

ELECTION SUPPORT

• DISE software was implemented for randomization of polling and counting personnel, result compilation and data transfer to ECI during Vidhan Sabha (2013) and Lok Sabha (2014) elections. On the poll day in May, 2014, live webcast of polling process was done from 20 Polling Stations in the district by NIC Bilaspur. The facility for Electoral Roll Management was also extended during PRI/ULB Elections.

NICNET & VIDEO CONFERENCING

NIC District Unit is connected with NIC State HQ over 34 Mbps leased line to provide smooth connectivity to different departments. VPNoBB connectivity is provided to RTO/ RLAs and NADRS nodes. NIC Bilaspur provides point-to-point/ multi-point Video Conferencing services to District Administration and other departments in the district.

NATIONAL LEVEL PROJECTS

- AGMARKNET
- eCourts

• eMamta-Mother and Child Tracking System

• eProcurement- eTendering

• NADRS-National Animal Disease Reporting System

• IVFRT Project: Immigration, Visa and Foreigners Registration and Tracking

- NREGASoft (Aadhaar based)
- IAY
- ePRI Suite of Applications

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South Tripura: Taking ICT to the Grassroots

South Tripura District is situated in the southernmost tip of the state of Tripura, sharing border with Bangladesh. The weather remains pleasant throughout the year. Belonia is the district headquarters and has the Indo-Bangla check post. The district comprises 3 sub-divisions, eight blocks, 70 ADC villages and 90 Gram Panchayats.



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Edited by RUBAIYAT ALI

NTRODUCTION

Faced with new challenges in the wake of rapid social and technological changes, and mounting public demands for more efficient

and transparent public administration, governments are now striving hard to transform and reinvent the governance system. To achieve this objective, NIC has implemented several projects in the district.

• **District Portal:** Designed and hosted by NIC, the website of South Tripura District, http://southtripura. gov.in/, is very informative. Apart from providing the details related to land, climate, history, fairs and festivals, tourist places, citizen charter etc., it also provides information regarding the various initiatives undertaken by the District Administration for the benefit of citizens.

• Integrated Land Registration, Land records and Cadastral Maps (http://jami.tripura.gov.in)

a. Land Registration at the Subregistry Offices: The workflowbased web application implemented throughout the district captures biometric details of the seller and the buyer and land details from land records. The system auto-calculates the fees and generates the deed. The seller and the buyer are intimated through SMS.

b. Land Records at the Revenue Circle Offices: This web-based application developed in Bengali is a unicoded database hosted at the State Data Centre, and is made accessible over the net to all the four Revenue Circles of the district. It maintains



Dr. Debasish Basu, IAS District Magistrate and Collector, South Tripura District, Belonia, Tripura

The District Centre of NIC at Belonia is doing excellent work in association with the District Administration in spreading Collectorate IT culture in the and Revenue Offices at subdivision and block level with the cooperation of CIC and SWAN. It is through e-Governance that we can bring transparency and efficiency in the administrative system, and can serve the society effectively. I appreciate Shri Shashi Ranjan, District Informatics Associate, NIC South Tripura for his instrumental role in providing NIC services and support to the District Administration for making e-governance a true success.

and updates the land records data and provides digitally signed RORs to land owners and other users. SMS integration after completion of mutation has been accopmlished.

c. Bhunaksha: Web based Bhunaksha has been implemented and is presently providing copies of the map for the Tehasils in the district.

• NDAL (http://10.24.245.133/ armscode): The National Database on Arms Licenses is a web-based project to maintain information about arms licenses issued in different categories. Presently, Gomati and South Tripura districts are being handled in collaboration.

eROR: (http://eror.tripura.nic. in): Ordinary Resident Register (ORR) is a physical register maintained in the state of Tripura at the lowest tier of local self-government (urban as well as rural) to record the details of the citizenry. Citizens are not entitled to civic services and benefits unless their names are recorded in the register. This eROR application has been developed to achieve real-time management of citizen database in Tripura. It has been implemented in four blocks of the district and the remaining blocks will be covered soon.

• PRIASoft (Panchayati Raj Institutions Accounting Software): PRIASoft software for Financial Management & Accounting of Panchayati Raj Institutions has been implemented in all the blocks of the district.

• Border Area Development Programme: This application for maintaining physical and financial statistics has been implemented in all the 6 border blocks of the district.

Energy Billing System: The system has the facility to record and index the power distribution inventory viz. pole, transformer, feeder etc. mapped to each consumer. On a daily basis, system generated meter reading sheets are carried to the consumer premises for recording the current meter reading. The data is then fed into the system after which it automatically generates the current bill along with arrear payable, if any. The consumer receives the bill and comes to the onsite/off-site collection counters. On payment, the system-generated receipt is handed over to the consumer. Dayend collection and bill summary are auto generated. The consumer ledger is auto updated while information on bill, collection and consumer ledger is available over Internet and kiosks. Defaulter list and notice is also generated on monthly basis.

• e-Suvidha (http://esuvidha. tripura.nic.in): e-Suvidha is a workflow-based web-application to automate time-bound citizen-centric services (Caste, Income, Distance,



Residency and Survival Certificates). The software supports OL digital photographs, collection of charges, workflow monitoring, etc.

• **NSAP:** The National Social Assistance Programme (NSAP), consisting of all the Social Pension schemes, is running in the entire district through Social Welfare machineries (CDPOs).

• **MGNREGA:** NIC provides complete assistance to the District Administration for implementation of MNREGA software both offline and online to effectively monitor the scheme's status, job creation and employment-generation activities along with Adhaar seeding. e-FMS developed for MGNREGA has reduced delay in wage transfer directly into the beneficiary account.

• **SECC:** The Socio-Economic Caste Census commenced during the year 2013 with the help of enumerators and supervisors at Block and Nagar Panchayat levels, and is going on smoothly.

• Transport Computerization

The newly-created District Transport Office at Santirbazar is well connected with the Tripura SWAN. The two flagship applications Vahan and Sarathi serves citizens by providing smartcardbased Vehicle Registration Certificates (RCs), along with issuing Driving Licenses (DLs). Using another module of Vahan, route permits for contract and stage carriages are issued through a web-based application http://tsu.trp. nic.in/permit) which aides in quick monitoring and issuance of the route permits.

• **Elections:** During the Lok Sabha Elections, a software was implemented

for the assistance of the Election Department in randomization of EVMs, assigning and monitoring of election duty of micro-observers and polling personnel, expenditure monitoring, E-Rolls monitoring, etc.

• **Forest Rights:** NIC has developed district/sub-division level application for issuing titles of forest land under Recognition of Forest Right Act-2006.

• e-Courts: The web-based application monitors day-to-day activities of the Judicial Offices of the District Court along with generating reports to monitor the number of cases listed, pending and disposed under a particular judgeship. SMS services has been integrated for advocates and parties concerned.

• **IDRN:** India Disaster Resource Network is an electronic inventory of resources that enlists equipments and human resources, collated from districts.

• Other information: CIC is functional in all BDO offices in the district. SGRY (Sampoorna Gramin Rojgar Yojana), Gramodaya, ASSP (Asanghotitha Sramik Shayaika Prokolpa) are also implemented in the district.

• **Payroll Management System** (**PMS**): PMS has been successfully implemented in the offices of DM, Collector, SDM and BDO through CICs.

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Awarded Products



Name of the Initiative/Product: eTaal Project State/ Hqrs.: NIC Hqrs.

Award/s Received: eINDIA Awards 2014

Description: Electronic Transaction Aggregation & Analysis Layer (eTaal), an electronic dashboard, provides a real-time aggregated view of e-Services being delivered throughout the country across different states and levels of government. The dashboard provides a real-time aggregated view of e-Transactions performed through e-Governance applications implemented including, but not limited to, MMPs under NeGP.



Name of the Initiative/Product: NIC - CCBS project

State/Headquarters: NIC Hqrs.

Award/s Received: CSI – Nihilent e-Governance Awards 2013-14- Award of Excellence

Description: CCBS is a web based Core Banking software customized specially for all layers of Co-operative Banks structure i.e. State Co-operative Bank (SCB), District Central Co-operative Bank (DCCB) and Primary Agriculture Co-operative Bank (PACS). CCBS application helps for operations of banking activities through business units/branches.



Name of the Initiative/Product: e-Nijukti – Online MIS for Skilled Development Training Programme by Odisha State Employment Mission (OSEM)

State: Odisha

Award/s Received: a) SKOCH Digital Inclusion Award - 2014 b) EDGE (Enterprises Driving Growth and Excellency using IT) Awards-2014 c) eIndia Awards-2014

Description: e-Nijukti aims to increase the job opportunity and skill development through use of ICT. Less qualified youths are captured online through this system, imparted skill development training and suitably absorbed by job providers.



Name of the Initiative/Product: e-Pothi-Online Cataloguing of Manuscripts of Odisha State Museum

State: Odisha

Award/s Received: a) SKOCH Digital Inclusion Award - 2014 b) EDGE (Enterprises Driving Growth and Excellency using IT) Awards-2014 c) Manthan Awards-2014

Description: e-Pothi is an online catalogue, where the visitors can access the digitized manuscripts and search them based on author, subject, category etc. There are around 37,000 manuscripts in 27 categories i.e. Veda, Ganita, Ayurveda, Jyotisha, Sanskrit Purana, Tantra etc.



Name of the Initiative/Product: e-Sakhyam - Accessibility portal for State Commission for Persons with Disabilities, Odisha with Online Case Management System State: Odisha

Award/s Received: Manthan Awards 2014

Description: The portal of the Office of the State Commissioner for Persons with Disabilities is accessible to all users, irrespective of the device and technology in use or ability. It has been built with an aim to provide maximum accessibility and usability to its visitors.



Name of the Initiative/Product: Electronic Fund Management System (e-FMS) in MGNREGS

State: Odisha

Award/s Received: Chief Minister's Award for Excellence and Innovative practices in Governance

Description: Electronic Fund Management System (e-FMS) enables direct credit of wages to the accounts of MNREGS workers. The system has streamlined the fund flow process substantially reducing the delay in payment of wages.



Name of the Initiative/Product- EDSoft: Online collection and monitoring of Electricity Duty (ED), Odisha

State: Odisha

Award/s Received: Skoch Order of Merit Awards - 2014

Description: The EDSoft system radically enhances collection of electricity duty in the state of Odisha. The system builds consumer database, calculates Electricity Duty, facilitates e-payment, monitors arrear etc. ensuring transparency at all levels.



Name of the Initiatives/Products-

 LokParman Patra • Manav Sampada (Human Resource Management System) • Interoperable Criminal Justice System (ICJS) • eGazette • eSamadhan • Integrated Finance Management System (HimKosh)

State: Himachal Pradesh

Award/s Received: Skoch Order of Merit-Digital Inclusion Award 2014



Name of the Initiative/Product: Drug Supply Chain Management & Inventory System State: Haryana

Award/s Received: eINDIA 2014 Awards- "Innovative use of ICT in Health by Government Department"

Description: Drug Supply Chain Management & Inventory System has been developed to integrate various inter-related activities of the National Rural Health Mission (NRHM) Haryana. This application is operational since March 2013.



Name of the Initiative/Product: Jail Vaarta Project

State: Himachal Pradesh

Award/s Received- Manthan: South Asia & Asia Pacific Award 2014 under the "e-Governance category"

Description: JailVaarta enables the prisoners and their relatives or visitors to interact visually with dignity through video conferencing. This, low cost, solution, having high impact, uses NIC Video portal software to conduct the VC sessions.



Name of the Initiative/Product: e-Mausam-Weather Forecasting and Agro Advisory Project

State: Haryana

Award/s Received: eINDIA Award 2014, under Category, "Govt to Citizen (G2C) Project of the Year"

Description: e-Mausam was initiated with the joint efforts of NIC and Department of Meteorology, CCS Haryana Agriculture University, Hisar. The system provides weather forecasting services along with on time Agro advisories using web application and SMS alerts through NIC-SMS gateway to farmers and farmer's community.



Name of the Initiative/Product: Real Time Courtesy and Information SMS Service on Vehicle Registration without using SMS Gateway

State: Mizoram

Award/s Received: Digital Innovations for Citizen Services in North East

Description: Motivation- Internet connectivity is below the standard of expectation in Mizoram. Hence, instant courtesy SMS service to the citizen via SMS gateway through the internet in a remote location, in present scenario is not possible. SMS gateway is an independent SMS application that is operationalized from District Transport Office's server.



Name of the Initiative/Product: Concrete and Effective e-Governance Framework of National Informatics Centre (NIC), District Unit, Akola

State: Maharashtra

Award/s Received: Manthan - South Asia & Asia Pacific Award 2014 under the Special Mention Award category

Description: Concrete and Effective e-Governance Framework is designed and implemented with Free and Open source Software (FOSS) and Virtualization, Server Consolidation. It's based on the concept of "Minimum Government Maximum Governance".



Name of the Initiative/Product: PRAYAS – An SMS based online Public Grievances Monitoring System

State: Jammu & Kashmir

Award/s Received: SKOCH Order of Merit Award 2014

Description: PRAYAS enables people to lodge their grievances directly with the Deputy Commissioner from their place and get the timely disposal of their complaints in an efficient manner. PRAYAS–Kathua provides services during the office hours in an integrated efficient, transparent, easily accessible manner and also provides time saving platform for Public grievances redressal by using ICT technologies.



Name of the Initiative/Product: e-Thibak, Micro Irrigation Scheme Implementation System

State: Maharashtra

Award/s Received: SKOCH Order of Merit Award 2014

Description: e-Thibak is a project undertaken jointly by Dept. of Agriculture, Govt. of Maharashtra and NIC-SDU, Pune. e-Thibak enables online entry of farmers application and processing subsidy release through online work flow. The entire process is visible to the stake holders. Manufacturers get to see dealer wise, crop wise customer data, dealer performance reports and can schedule after sales services.



Name of the Initiative/Product: RTE Online Portal State: Rajasthan

Award/s Received: 10th eINDIA Award as "Best ERP Project" under Education domain

Description: RTE online Portal is an integrated bilingual web based solution for the automation & streamlining of admissions process of disadvantaged groups and weaker sections under RTE Act-2009 in entry class along with their payment settlement from Govt. side. This online application has been designed and developed by NIC Rajasthan for Directorate of Elementary Education, Government of Rajasthan which provides facility to registered private schools of Rajasthan for capturing details of admitted students through their school login.



Name of the Initiative/Product: SMS based Circle level Rainfall Recording & Analysis Project

State: Maharashtra

Award/s Received: SKOCH Order of Merit Award 2014

Description: The application (http://www.maharain.gov.in) was initiated with the joint efforts of NIC SDU Pune and Dept. of Agriculture, Govt. of Maharashtra with the vision that rainfall plays vital role specially in agriculture sector. The project is a web based daily rainfall recording system implemented across 2065 circles of Maharashtra. Rainfall data is captured by Circle officer by sending SMS in predefined format and saved directly to the server.



Name of the Initiative/Product: Sanch Manyata

State: Maharashtra

Award/s Received: SKOCH Order of Merit Award 2014

Description: Sanch Manyata is a web based s/w for sanctioning the teaching and non teaching staff of school. This is a project undertaken jointly by NIC SDU Pune and School Education & Sports Department, Maharashtra state. This software helps in planning and implementation of RTE (Right to Education). This was the first time such software was used online which facilitated the decision makers in Mantralaya and Education Department to get an overview of the effect of different GR's applied. *

*e-Mojani, e-Mutation, e-Parwana and e-Records are other projects from NIC SDU Pune which have received SKOCH Order of Merit Award 2014. For more detaile on the Awarded Products of National Informatics Centre, Kindly visit at http://www.nic.in/awards

Towards Protecting Web Applications in NICNET

Т

o ensure fail-proof protection of web applications in the emerging cyberspace would be the prime concern for any don Thus it is highly

service provider. Thus, it is highly imperative to duly address the significance of Application Layer Protection. This can be accomplished via two Application Security Audit methodologies: Black-box and White-box Testing.

NIC employs both Web Application Audit methodologies in order to ensure complete foolproof protection of web applications.

1. WHITE-BOX TESTING(SCA)

The White box methodology is based on application source code scan and can be included as a part of Application Software Development Life Cycle. The Static Code Analysis solution digs and traces complete path of each variable and function string to showcase the existing vulnerabilities. The IDE version of the respective development platform also has Static Code Analysis feature, for finding potential problems and detecting inconsistencies in the source code during development.

ADVANTAGES

• Assists developers in enforcing security as per the standard industry norms and enhance their secure coding skills;

• Major vulnerabilities like validation which caters to 70% of web application attacks are fixed.



SCA: Source Code Analysis, BBA: Black Box Audit, MA: Manual Audit

• The closing of all major source code vulnerabilities helps in creation of more secure and reliable application.

• The post development scan time of black-box testing gets reduced.

2. BLACK-BOX TESTING(BBA)

This methodology (such as OWASP Standard) looks only at the Web Application Workflow Process and caters to information gathering technique. All available inputs are checked for the expected outputs using various test cases.

a) Tool based Scan

Tool based audit scans the application based on its inbuilt test cases. Tool based Scan is necessary as it releases regular new updates and variants which can help in countering new application security threats. It is also a time saving technique.

b) Manual Scan (MA)

Many application vulnerabilities such as session management, broken authentication and access control etc. need manual involvement for getting accurate results. Manual Auditor uses proxy interceptor tools (such as Burp Proxy) for checking the validity of every input.

ADVANTAGES

• As testers do not need to concern with the inner working of

an application, it is easier to create test cases by information gathering process.

• For large and complex applications, it helps in simplifying the testing process by focusing on valid and invalid inputs and ensuring that correct outputs are received for various traversed URL links used in an application.

• For a large enterprise service provider it is not feasible to cover all the applications in the ambit of source code scan, but black-box audit for all web applications can be undertaken more effectively.

CONCLUSION

The use of both accomplished Application Security Audit methodologies is necessary for the secured protection of web applications. It is also been observed that by using both Tool based Scan and Manual Audit, the number of vulnerabilities can be minimized.

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Good Governance Day Glimpses (25th December, 2014)

Ν

IC actively participated in the mega event and an exhibition organized by DeitY at the Manekshaw Centre, New Delhi on

25th December, 2014 to celebrate Good Governance Day. The event was inaugurated by Shri Ravi Shankar Prasad, Union Minister of Communications & Information Technology, Government of India and was webcasted live by NIC.

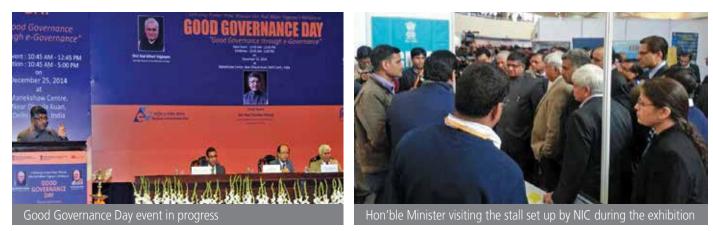
In his keynote address, the Hon'ble minister said, "Based on the pillars participation, accountability, of transparency, responsiveness and efficiency, Good Governance can be effectively achieved through the vision of Digital India of Digital Infrastructure as a utility to every citizen, Governance & services on demand and Digital empowerment of citizens. In the last six months, Government of India has taken a number of landmark initiatives. The Digital India programme is committed to take the cause of Good Governance forward in letter and spirit". The Hon'ble Minister has also given the

term IT (Information Technology) + IT (Indian Talent) = IT (India Tomorrow).

Shri RS Sharma, Secretary, DeitY said, "The department has taken a number of initiatives like MyGov (Citizen platform), participation Aadhaar Biometric Attendance Enabled System, Jeevan Pramaan, e-Greetings, e-Sampark, National Digital Literacy Mission, e-Governance Competency Framework etc. to promote Good Governance in the country, as well as to give impetus to the Digital India programme."

The Hon'ble minister launched a total 21 Good Governance projects. Some of the key projects launched at the event were Time Stamping of Digital Signature, Integrated Indian Languages Virtual Keyboard for Android, PARAM Shavak (Super computer in box solution), .bharat domain in Gujarati and Bangla, e-launch of Support International Patent Protection in Electronics & IT scheme (SIP-EIT), Modified Special Incentive Package Scheme(M-SIPS), Electronics Manufacturing Clusters (EMC) disbursement, Gyansetu – an internet based real time ICT systems to provide e-Services to the rural population of India, MTNL Apps for Android smart phones and e-Governance Competency Framework (e-GCF). Additionally, pocket books and e-Books were also launched.

DeitY also organized an exhibition for which invitation to general public was done through an online registration process. The event saw a huge participation from about 50 government and private organizations. The exhibition offered a glimpse of various projects in the areas of Software and Hardware Development, Networking Services, Geographic Information Mobile, System (GIS), Security and Health, which were contributing to the cause of ICT enabled Good Governance. A stall was also set up during the exhibition to showcase various exemplary ICT initiatives undertaken by NIC such as MyGov Platform, eTaal, e-Greetings etc.



International e-Gov Update

"MY LIBRARY" MOBILE APP LAUNCHED IN HONG KONG FOR EASY ACCESS TO LIBRARY SERVICES

he official mobile application named "My Library" has been launched in Hong Kong to facilitate the mobile users to access public library services on anytime, anywhere basis. The app has been developed by Hong Kong

Public Libraries (HKPL) for the Leisure and Cultural Services Department (LCSD), Hong Kong. The new app comes with some core features of the online library catalogue, such as searching, reserving and renewing library materials along with other features such as personalized notification services and finding nearby libraries (i.e.- address & contact information of libraries) via GPS.

The new app comes with Auto login functionality and uses Push Notification Service provided by Apple Inc. or Google Inc. for the reception of personalized alerts. These messages include information on Due Date, Overdue, Pickup and Renewal Block Alert, and are delivered on the users' phone/device even when the app is closed. The new app also enables turning on/off different types of alert through the notification setting in the menu of the app.



The app also features ability to scan the International Standard Book Number of a book (ISBN barcode) using the camera function of the mobile to check the existing stock of public libraries for the availability of a particular book. It also allows sharing the link of individual library items onto other social sharing platforms or messaging tools, including e-mail, Twitter, Facebook, WhatsApp, Weibo, etc.

> FOR FURTHER INFORMATION: http://www.hkpl.gov.hk/en/index.html

AUSTRALIA LAUNCHES 'CLOUD FIRST'- CLOUD COMPUTING POLICY VERSION- 3.0



ersion 3.0 of Australian Government Cloud Computing Policy has been launched to give a thrust to its vision of delivery of government services as and when they are required. This has to be achieved through effective use of ICT, including the adoption of cloud services.

This policy endeavours for greater take up of cloud services by federal government agencies through adoption of 'cloud first' approach.

The policy states the goal to be achieved as- "The Australian Government will reduce the cost of government ICT by eliminating duplication and fragmentation and will lead



by example in using cloud services to reduce costs, lift productivity and develop better services." It further lays stress on lifting productivity, developing better services and reducing costs through use of ICT refresh points as a trigger for evaluating cloud services; evaluation of private, community, public or hybrid cloud services for operational systems as defined by information requirements; adoption of public cloud services for testing and development needs and for hosting public facing websites, etc.

According to the recent data, till date there has been only modest use of cloud services by the various government agencies. Since July 2010, Cloud procurements in AusTender have totalled approximately \$4.7 million. Since October 2012, the Data Centre as a Service multi-use list has reported cloud contracts totalling approximately \$1.5m. According to the new policy version, the Department of Finance will review the Data Centre as a Service Multi-Use-List during 2014 by December 2014 while the department will establish a Cloud Services Panel by January 2015. Meanwhile, government will continue to contribute to regional and international standards institutions and technical committees.

FOR FURTHER INFORMATION:

http://www.finance.gov.au/

NEW ZEALAND REITERATES ITS COMMITMENT TOWARDS OPEN AND RESPONSIVE GOVERNMENT

ith publication of Open Government Partnership (OGP) Action Plan 2014-16, New Zealand has become the formal member of Open Government Partnership. Out of five grand challenges laid down by OGP, New Zealand has selected three grand challenges

to work towards. These are - increasing public integrity, improving public services, and more effectively managing public resources.

New Zealand's Open Government Partnership (OGP) Action Plan 2014-16 will initially concentrate on four key initiatives- the Kia Ttahi Relationship Accord, Government ICT Strategy and Action Plan to 2017, the response of the Government towards the 2013 Transparency International New Zealand's National Integrity System Assessment Report, and the Government's Better Public Service (BPS) Results programme.

The BPS Results programme entails to leverage innovativeness among government agencies on improving the way of delivering various public services. The programme sets five challenging Result Areas, chosen according to their importance to New Zealand citizens and businesses, for achieving between 2012-2017.

Launched in 2011, the Kia Ttahi Relationship Accord is a commitment between the Government and communities for working together in achieving economic, social and environmental outcomes. The government will contact various



stakeholders and there feedback will be gathered and reviewed in the background of the Kia Ttahi Relationship Accord in 2015 and the Action Plan.

The Government ICT Strategy and Action Plan to 2017 has been strategized to transcend agency boundaries to deliver smarter customer-centred services. The government also plans to work in close collaboration with anti-corruption civil society- Transparency International New Zealand (TINZ) and respond to the recommendations suggested by the TINZ in 2013 detailed report.

FOR FURTHER INFORMATION:

http://www.ssc.govt.nz/

THE PHILIPPINES EMPLOYS WEATHER TRACKING TOOLS TO DEAL WITH CLIMATE ADVERSARIES

he Philippines have always been at the centre of natural calamities like tsunamis, typhoons, earthquakes etc., leading to large scale devastation and loss of human lives. In order to curtail the losses incurred by climate related disasters and forewarn the vulnerable communities against impending calamity, the Nationwide Operational

Assessment of Hazards (NOAH) was launched by the Department of Science and Technology, Philippines (DOST). NOAH mission is to adopt multi-disciplinary approach for the development of systems, tools, and other technologies to help in disaster mitigation and prevention.



In its initial assignment, NOAH focused on flood management in Marikina Watershed. Streaming data from water level sensors and rain gauges, graphical satellite radar and Doppler data forecasts, flood hazard maps overlain on Google Maps and translated rain intensity and volume measurements in terms of warning and evacuation level alarms are provided online. NOAH is presently working on nine component projects including Doppler System Development, Hydromet Sensors Development, Flood NET-Flood Modeling Project, Landslide Sensors Development Project, Enhancing Geo-hazards Mapping through LIDAR, Storm Surge Inundation Mapping Project, DREAM-LIDAR 3-D Mapping Project, etc.

The Project NOAH website comes with a Google Zoom tool along with the STREET, TERRAIN, and HYBRID buttons for selecting the type of maps that the viewer likes. The special feature of the website is Multi-functional Transport Satellite Image (MTSAT)an animated image that show cloud formation above the country and in the surrounding seas. Rainfall, temperature, pressure, and humidity contour maps show the weather condition anywhere in the Philippines. The 3, 6, 12 and 24-hour rainfall contours show areas in the Philippines experiencing heavy downpour. The percent chance of rain contour allows viewing of areas that are most likely to experience rainfall, every hour or up to four hours in advance.

FOR FURTHER INFORMATION:

http://www.noah.dost.gov.ph.

OFFICE OF THE CONTROLLER GENERAL OF ACCOUNTS

Office of the Controller General of Accounts is the apex body of Civil Accounts Organization catering to the finance and accounts management of ministries/departments of Government of India through the Pay and Accounts Offices. Critical analysis of expenditures, revenues, borrowings and the deficit along with other important documents are prepared by Office of the Controller General of Accounts Ministry of Finance on monthly basis.

The conscientiously designed website is also rich in content. The citizen-centric content is the focus of Homepage, which showcases the content related to events, publications, Result Framework Documents, eBooks, related links and Contact Us. The left hand side of Homepage offers information on Vision/ Mission, IT Development & Systems, Internal Audit, Financial Reports and useful links to CPSMS, GePG, e-Lekha and APMS. Year-wise Accounting Information is also provided in detail. The right hand side of the Homepage provides information on What's New, Human Resources, Orders/ Circulars, Tenders, Employment Corner, RTI and Directory of Civil Accounts Organization. The content seems to be reviewed frequently for currency and relevancy.

MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION (MDONER)

The Ministry of Development of North Eastern Region (MDONER) is accountable for handling the matters relating to the planning, execution and monitoring of development schemes and projects in the North Eastern Region of India. The aim of the website is to provide instant information

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The website is compliant with GIGW guidelines and has explicitly stated Accessibility Statement, Disclaimer, Privacy Policy, Terms of Use and Site Map. It also offers links to Social Media including Facebook, twitter and YouTube.

The website is bilingual and also has comprehensive search facility ensuring quick and easy search by users.

about North East Region of India, various development activities in the region, Infrastructure updates, etc.

The indigenously designed website comes with a clean interface and well-laid content arranged in four broad categories on the Homepage- About Ministry (Who's Who, Associate Organizations, Parliament, Citizen's Charter etc.), Activities(NLCPR, Externally Aided Projects, Look East Policy, etc.), Infrastructure (General, Roads, Railways, Power, etc.) and About North-East(Constitutional Provisions, Maps, States of the North-East etc.). Photo Gallery module is incorporated for presenting the images on the website in a well-structured manner. Visitors can also do free text search in web pages as well as linked documents. Links to NLCPR MIS, File Tracking and Intranet Portal have also been provided.

MDONER website is bilingual with English and Hindi versions. The website also has explicitly stated Accessibility Statement, Compatibility Statement, Terms & Conditions, Website Policies, Copyright Policies and Disclaimer. The site comes with assistive technologies such as Screen Readers Access to facilitate readers with visual impairment.

The website has a dynamic sitemap covering links up to the last level. In terms of interactivity, the site offers links to the twitter account.

MINISTRY OF INFORMATION AND BROADCASTING (MIB)

The Ministry of Information and Broadcasting (MIB) is a core body governing the development of various administrative rules and regulations related to broadcasting of films and press in India.

The vibrant website is also a rich repository of latest information. It caters to the information needs of various stakeholders by providing access to all the policies and guidelines issued by the Ministry. Code Guidelines and Policies regarding Broadcasting, Information and Films can be accessed with ease on the website. The header region of the Homepage contains information related to the Ministry (About Us, Minister's Profile, Who's Who) along with information related to Broadcasting, Films, RTI Act, Code Guidelines & Policies, documents and Budget. Information about various divisions of MIB has been detailed out. What's New section provides visitors information on the latest happenings. The footer region contains Circular & Orders, Tenders, Trainings, Autonomous Organizations & PSUs, Online Reports, Sectoral Innovation Council, Accessibility Options, Media Units, Feedback, Website Policies & Help.

MINISTRY OF TRIBAL AFFAIRS

The Ministry of Tribal Affairs was set up in 1999 after the bifurcation of Ministry of Social Justice and Empowerment with the aim to achieve integrated socio-economic development of the Scheduled Tribes (STs) in a coordinated and planned manner. The programmes and schemes of the Ministry are intended to support and supplement, through financial assistance, the efforts of other Central Ministries, the State Governments and voluntary organizations, and to





The website has a dedicated Hindi version besides regular English version. The portal has Google enabled search facility to search within the HTML content along with an elaborated Site Map.

The MIB has a significant presence on all social media sites including Facebook, twitter, Google + & YouTube, which makes it accessible for users through multiple online platforms.

fill critical gaps taking into account the situation of STs.

The entire content of the website is well categorized keeping citizen interest in mind, for example related data is grouped under similar categories. The header region of the website contains information related to the Ministry, Constitutional Provision, Scheduled Tribes, Sanction Orders, Schemes, Acts & Rules and CCA. Information on Constitutional & Legal Matters, National Commission for Scheduled Tribes, Forest Rights Act 2006, Citizen Charter etc. have been furnished on the left hand pane of the Homepage while information related to the hon'ble Ministers, New Initiatives, Best Practices & Success Stories etc. have been given in the right hand pane of the Homepage. Photo Gallery module is also incorporated for presenting the media data i.e. images on the website in a well-structured manner.

The website comes with a detailed Site Map and a Search button facilitating free text search in web pages as well as in linked documents. It also has overtly stated Privacy Policy, Hyperlink Policy, Content Archival Policy, Terms & Conditions.

The bilingual site complies with W3C Web Content Accessibility Guidelines (WCAG) 2.0 level AA and comes with Screen Reader Access. Links to Facebook, twitter, YouTube and Google + have also been provided.

> CONTRIBUTED BY: LOKESH JOSHI Principal Systems Analyst E-mail: lokesh@nic.in

MEETING ON CONTENT MANAGEMENT FRAMEWORK (CMF) HELD AT DeitY (MCIT) ON 16TH & 17TH DECEMBER 2014

ontent Management Framework (CMF) is a project under the "Digital India" envisaged to improve

the quality of Government websites for better presentation and citizen centric features. This shall also necessarily move towards making these websites accessible to all. The project initially includes a mandate to upgrade upto 100 websites of Ministries/ Departments of the Government.

A meeting of HoG's, HoD's of NIC was held on 16th and 17th Dec'2014 at DeitY regarding CMF, its implementation aspects and key features.

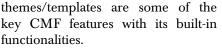
Dr. Ajay Kumar IAS, DG, NIC delivered the keynote address and outlined the vision behind the CMF and highlighted the responsibility of the Heads towards achieving citizen

IPR-HP MOBILE APP LAUNCHED BY HONOURABLE CHIEF MINISTER OF HIMACHAL PRADESH



hri Virbhadra Singh, Hon'ble Chief Minister, Himachal Pradesh launched a new Mobile App for accessing press

releases and news photographs of the Information and Public Relations Department, Himachal Pradesh on Android devices. The application can be downloaded on the mobile phones from the website of the department at http://himachalpr.gov.in or Mobile App section of the http://himachal.nic. in free of cost. The press releases, once browsed through this app, will remain available on the device and can be accessed even if the device is in offline centricity through their well modularized and compliant websites. Ms. Neeta Verma, DDG, NIC, shared her vision through a presentation, highlighting the broad objectives of the CMF. Ms. Verma explained that GIGW compliance, Responsive Design, Website Analytics and



Shri Mohan Das Viswam, TD NIC, gave a detailed presentation on the technologies, framework and tools planned to be used in quick deployment of GIGW compliant, accessible and feature rich websites. He also detailed on a single window service for Central Government Ministries, Departments for facilitation, advice & Capacity Building towards improving their websites through Web Resource Centre Portal (WRC) {http://wrc.nic. in} under CMF platform.

Shri Sandeep Gupta Scientist-B, NIC, demonstrated how to use

Meeting on CMF in progress

the CMF and what facilities are provided through Web Resource Centre. He further elaborated on the frameworks (Wordpress and Drupal), website templates (ASHOKA and GULMOHAR), UI elements (emblems, icons, logos and banner) and photograph which could be used by government agencies.

The meeting was attended by over 70 officers of NIC. The project is led by Ms. Neeta Verma, DDG and the team comprise of the members: Shri Mohan Das Viswam, Shri Lokesh Joshi, Shri Shashi Kant Pandey, Shri Sandeep Gupta and Shri Sagar Kohli.

MOHAN DAS VISWAM, NIC HQs.

mode. The photographs are downloaded subject to availability of Internet connectivity at the time of accessing the press release on the mobile device. To refresh the content, the users have to press the Refresh button on the title bar.

Hon'ble Chief Minister lauded the efforts of the department for maintaining pace with the latest technology and said that in

the present era of modernization and technology one has to keep himself updated with latest advancements, which can contribute towards better communication and achieving the ICT based development goals.



Shri Virbhadra Singh, Hon'ble Chief Minister, Himachal Pradesh launching Android based App to access latest press releases and photographs

National Informatics Centre, Himachal Pradesh has developed this app for mobile users having Android based Operating System. The app will prove to be beneficial for the citizens as well as media.

SANDEEP SOOD, HIMACHAL PRADESH

WORKSHOP ON e-PROCUREMENT **ORGANIZED AT NALCO. ODISHA**

Aluminium ational Company Ltd., Maharatna Company of Government of India,

is the largest integrated aluminium complex of Asia, which specializes in bauxite mining, alumina refining, aluminium smelting and casting. NALCO has its mines and refinery complex at Damanjodi, smelter and captive power plant at Angul, port facility at Visakhapatnam & corporate office at Bhubaneswar. After initial floating of few tenders in the Central Public Procurement Portal (CPP) regarding ocean freight, NALCO expressed its willingness to use the CPP to float all the service tenders.

ROLLOUT OF e-PRISON PROJECT GAINS MOMENTUM IN CHHATTISGARH

-prison suite is an integrated, complete module for prisoners and prison management, facilitated by the

Prisons Division, National Informatics Centre, New Delhi. A two day workshop aimed towards bringing more awareness among its users has been organized at Raipur on 03rd and 4th September 2014.

The workshop cum hands on training program was presided over by Shri Giridhari Nayak, Director General, Jail HQ, Raipur. In his address to the participants from all the five central jails of the state viz. Raipur, Durg, Bilaspur, Jagdalpur and Ambikapur,

A two day workshop this regard in organized was at Corporate Office of NALCO, Bhubaneswar. Participants were demonstrated the full flow of the e-procurement application using

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demo portal by NIC team comprising of Shri Tapan Prakash Ray, TD & Shri Nihar Ranjan Biswal, PSA.

On second day, participants were exposed to hands on training using the demo portal, where they created and published some mock tenders and completed bidding sessions, followed by bid opening, evaluation and AOC.

In the second half of day 2, few selected bidders were demonstrated the online portal registration and bid submission process.

All the sessions registered high participation. Shri Sudipta Kishore Dash, Executive Director P & T, NALCO addressed participants of the workshop and urged them to take e-procurement forward for a transparent and efficient procurement process. Shri Debadatta Pattnaik, AGM (Systems), NALCO coordinated the workshop.

Dr. A.K. HOTA, ODISHA

he emphasized on the importance of e-prisons. Also present on the occasion were Shri R.P. Saxena, DDG & the Head of Prison Division, NIC HQ and Shri M.K. Mishra, SIO, Chhattisgarh. The training e-prisons

was imparted by Shri Vikas Agrawal, PSA and Shri Rajendra Gaur, Asst. programmer of Jail Division, NIC HQ, New Delhi.

Shri H.S. Tripathy, TD & Project Coordinator, NIC Chhattisgarh briefed about the important facilities available in the e-prisons integrated application. The officials and members, besides getting their doubts cleared, also provided their valuable



software.

suggestions for incorporating in the e-Prison software in relevance to the state of Chhattisgarh. Hands on training was provided on 04th September 2014. At the end of training session, the Director General has set out targets for both NIC and five central jails to ensure effective

Y.V.SHREENIVAS RAO, CHATTISGARH

implementation of the e-Prisons

WORKSHOP ON e-SAMIKSHA **ONLINE SYSTEM CONDUCTED** AT CABINET SECRETARIAT. **RASHTRAPATI BHAWAN, NEW** DELHI



-Samiksha portal is a real time, online system for monitoring of follow-up actions on the decisions taken during the presentations made by

different ministries/departments to the Prime Minister on various subjects like infrastructure target, Ganga Rejuvenation, Swachh Bharat, Centre State coordination, etc. The follow-up action in respect of each decision is to be updated by the concerned Ministry/ Department/ State Govt. as and when the status changes or at least every month.

A workshop/training session via video conferencing on eSamikSha Online System for Government of Bihar was organized at Conference Room, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi. The training session was chaired

MIZORAM DISTRICT LEVEL WORKSHOP ON IVFRT AND NDAL **PROJECTS ORGANIZED IN SAIHA** & LAWNGTLAI DISTRICTS ON 5TH & 6TH DECEMBER, 2014



izoram district Level workshop cum training on IVFRT and NDAL projects was organized in Saiha and Lawngtlai districts on 5th and 6th December, 2014. This was the first

workshop in the districts other than State Capital- Aizawl.

State Home Department in association with NIC State Centre, Mizoram and FRO, Aizawl have organized this workshop which covers both the IVFRT and NDAL projects. The main objective of the workshop was to train the representatives from hotels/guest houses/institutions about online C-Form, S-Form and its importance and to investigate the progress and difficulties faced by department for entering data in NDAL Online System.

On 5th December, the training was organized at DC Conference Hall, Saiha in presence of 36 members from different hotels/guest houses/institutions located in the districts. The program was chaired by Shri Lalbiakzama, Addl. Secretary, Home Department, Mizoram, Shri John LT Sanga, Addl. DC of Saiha District

by Chief Secretary-Shri Anjani Kumar Singh, IAS, and Shri Brijesh Mehrotra, Principal Secretary, Cabinet Coordination Department, Govt. of Bihar organized the event. Principal Secretaries, Secretaries and designated officers of more than 40 departments of Govt. of Bihar

participated in this session.

The Chief Secretary said that the system will assist in improving the communication between Central Ministry/Dept. and Bihar Government in respect of pending issues and follow-up on action points generated by the meetings chaired by Hon'ble Prime Minister and Committee of Secretaries.

8H-Secreteria

Question and Answer session in progress

of e-Samiksha The demonstration Portal regarding the roles of state users was conducted by Cabinet Secretariat Informatics Division. A real time example

was also discussed to give them the better understanding of categories like Swachh Bharat, Centre State Coordination etc. After demo, Chief Secretary interacted with all Principal Secretaries/Secretaries/ officers of various departments on the sited issues using the online eSamikSha Portal for 2 hours. Complete event was carried out successfully with coordination from NIC officials of Bihar Secretariat.

Dr. SHUBHAG CHAND, DELHI

David and Shri H.Lalthangliana OSD-cum-Under Secy., Home Department.

On 6th December, the training was organized at DČ Conference Hall, Lawngtlai in presence of 8 members from different hotels/ houses/ guest institutions located

in the districts. The program was chaired by Shri Lalbiakzama, Addl. Secretary, Home Department, Mizoram, Shri R Lalsangluaia, Addl. DC of Lawngtlai district and Shri David H. Lalthangliana OSD-cum-Under Secy., Home Department, Mizoram.

Shri David H. Lalthangliana, who is also the state Nodal Officer for the IVFRT and NDAL projects, delivered an inspiring speech to the audience and also gave an overview of the IVFRT project and its implementation in Mizoram in both English and local Mizo languages.

Shri R Lalsangzuala, representative of FRO, Aizawl briefed the participants regarding the policies, penalties and overview of the online system in English and local Mizo languages for better



understanding of the participants.

Shri Krishnendu Das, Scientific Officer, NIC and IVFRT State Coordinator of Mizoram along with Shri H V Rochungnunga, Scientific Officer, NIC were the main resource persons during the workshop. They gave a detailed presentation to the participants on both C-Form, and S-Form Online System.

After the workshop, there was a meeting organized with the DC of the respective districts and their representatives for discussing the problems they are facing while implementing NDAL and IVFRT projects in their respective districts along with the solutions. The program was telecasted by local news channels in Mizoram.

LALHMACHHUANI, MIZORAM

eSCHOLARSHIP INITIATIVE LAUNCHED FOR SC, ST & OBC STUDENTS OF UTTARAKHAND



(http:// Scholarship escholarship.uk.gov. in) was officially launched by the Govt. of Uttarakhand during a day-long workshop organized at Dehradun

on 19th November 2014. Starting from the current academic session, eScholarship provides an online facility for SC, ST and OBC students in the state to apply for Government's Post-matric scholarships. The workflow application designed, developed, hosted and maintained by NIC, Uttarakhand, seamlessly integrates Educational Institutes, Social Welfare Department's Directorate, IT Cell & District Level Offices, treasuries and banks ensuring direct payment of scholarship and fee reimbursement into student's bank account.

participants The included representatives from selective educational institutes, students, media persons, concerned officials from the state's Social Welfare, Tribal Welfare and Finance Departments including all District Social Welfare Officers. The proceedings of the workshop were

DYNAMIC WEBSITE FOR DOORDARSHAN KENDRA. **BHUBANESWAR, ODISHA** LAUNCHED



correspondents can now send the photographs, news and video through this portal to DDK, Bhubaneswar for instant telecast.

Kendra

The portal was inaugurated by Smt. Jayanti Rath, Dy. Director General (P) of DDK, Bhubaneswar at the Auditorium Hall, DDK, Bhubaneswar. Other dignitaries present during the occasion were Shri L. K. Pradhan, DDG(E), Shri P. K. Pati, DDG(E), RSTI Bhubaneswar, Shri D. Nanda, DDG(E), Eastern Zone, Kolkata, Shri P. K. Mohapatra, Dy. Director(Engg), Door Darshan, Dr. R. N. Behera,

conducted jointly by Shri G. R. Nautiyal, Deputy Director & IT Cell Nodal Officer from Social Welfare Department and Shri Vinod Kumar Taneja from NIC Uttarakhand.

The pre-lunch session of the workshop was chaired by Shri P.S. Jangpangi, IAS, Secretary, Social Welfare in the presence of Shri V.S. Dhanik, Director, Social Welfare and Shri Satyendra

Kumar, SIO NIC Úttarakhand. During this session, all the participants were made to understand the self-help features like user manuals along with complete workflow of eScholarship application demonstrated by Shri Chandan Singh Bhakuni from NÍC Uttarakhand. During the second session, chaired by Shri S. Raju, Additional Chief Secretary, live hands-on session on eScholarship was demonstrated to the stakeholders. This session saw the actual disbursement of scholarship credited into the bank account of Shri Amit Kumar Shaw, a student from Uttaranchal University, Dehradun. This happened within minutes of his online application being acted upon on the spot - vetted and forwarded by his college authorities, sanctioned by District Social Welfare Officer, Dehradun and submitted as a treasury bill to the Dehradun treasury,

enter fera Workshop in progress

> from where the Chief Treasury Officer sanctioned the transfer of scholarship amount to student's bank account.

> The workshop concluded with the media briefing by the Additional Chief Secretary. He explained that last year, the State Government disbursed around ₹ 250 crores to more than 1 lakh SC/ ST/OBC students in the state. He also detailed the benefits that have actually accrued and the tedious efforts of Social Welfare Department to usher in transparency and efficiency using NIC Uttarakhand's offerings, like eSPAN (http://ssp.uk.gov.in) for disbursement of Social Security Pensions and now eScholarship.

VINOD KUMAR TANEJA, UTTARAKHAND

Sr. Technical Director, NIC, Bhubaneswar and Shri K. C. Pattnaik, Scientist-PSA, NIC, Bhubaneswar.

The portal is developed by the team headed by Dr. R N Behera, STD, Shri K. C. Pattnaik, PSA and Shri B. L. Gupta, SO/Engr-SB under the guidance of Shri S. K. Panda, DDG

& SIO, NIC, Odisha, Bhubaneswar. It is developed with Open Source technologies and Drupal as CMS.

The portal contains information about the Kendra profile, program schedule, popular programs to watch, important videos, news, sponsored programs, RTI, tenders etc. Persons with Disabilities (PwDs) can also visit the website as it is compliant to Webaccessibility guidelines.

Speaking on the occasion Smt Jayanti Rath, DDG(P) hoped that this portal



will fulfill the long awaited demand of people of having a website where they can browse daily news, anywhere and anytime.

In the concluding speech, Dr. R.N. Behera, Sr. Technical Director, NIC, Bhubaneswar explained various functionalities of the website and the need of such a website for people interested to view different programmes of Doordarshan online.

Dr. A. K. HOTA, ODISHA