



NIC Assam

Major Projects & Initiatives

Details & Status



1 Sector wise major projects of NIC in Assam

2 Services provided by NIC in Assam

3 Recent initiatives

4 District Initiatives

5 Centres of Excellence of NIC

6 Training & Capacity Building

7 Suggested steps for promoting Digital Governance

Sector-wise major projects

- eProcurement
- PFMS
- GST-Prime
- eGRAS
- eRupantor

Finance, T&D



- Vahan & Sarathi
- PUCC
- eChallan & Virtual Court
- mParivahan
- Speed Limiting Device

Transport



- eOffice
- ePrastuti
- Assam Darpan

Office Productivity



- ILRMS - Land Records
- PDS
- Soil Health Card
- ePanchayat

Revenue, PNRD, F&CS



- eCourts
- ePrison
- eProsecution
- eForensics
- ICJS

Home & Judicial



- eHospital
- Mother & Child Tracking System (MCTS)
- Nirmal Jal (PHED)

Public Health



- COVAAS App
- Covid-19 Advisory
- COVID Suraksha
- ePass

COVID-19



- Manav Sampada
- SPARROW
- ER Sheet for ACS
- Personnel Information System (PIS)

Human Resources



- AEBAS
- eCounselling
- eNirvachan
- ePravesh
- eGranthalaya
- RERA

Others





eProcurement



Government eProcurement of NIC (GePNIC)

Government eProcurement of NIC (GePNIC) is an end-to-end eProcurement solution for online publishing of tender documents, corrigendums, submission of online bids and award of contracts.

State Public Procurement Portal (SPPP)

State Public Procurement Portal (SPPP) for Assam is being taken up by NIC. SPPP will be a portal where all procurement related information for Assam will be available.

28,918 Tenders have been published of the value of 1,00,178.66 crores





PFMS & GST-Prime



GST

PFMS

- PFMS streamlines the flow of funds for Central sector projects.
- All Central sector schemes for Assam have been on-boarded in Public Financial Management System (PFMS).

GST-Prime

NIC's GST-Prime helps the tax administrators of state/centre to analyse and monitor the tax collection and compliance in their jurisdiction.

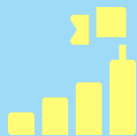
PFMS has been implemented in the State sector in the Arundhati Scheme for DBT to beneficiaries.



eGRAS

GRAS

- 29 Departments have been on-boarded directly on GRAS portal and 11 departments have been on-boarded through integration with departmental portals.
- 2,46,506 eChallans have been created on GRAS of value 10059+ crores, till Dec 2020



Online system that facilitates creation of eChallan & online payment by citizens, and also takes care of the Accounting needs of Government for Government receipts.

01

Creation of eChallan

02

Online payment by citizens

03

Facilitates payment to multiple Major Heads in a single Challan

04

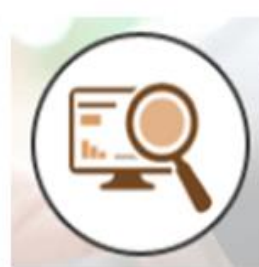
Facilitates payment to Treasury accounts as well as Non-Treasury Accounts

05

Takes care of the Accounting needs of the Government receipts



Pay without Registration



Search Challan



New User Registration



Departments On-boarded



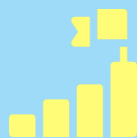
eRupantor

eRupantor

একপান্তর

Schemes implemented :

- MLAAD (MLA Local Area development) – implemented since March 2019
- SUHRID – Rolled out in Oct 2020
- Untied Fund – Rolled out in Oct 2020



Information Management & Reporting System for Monitoring of Development Schemes & Projects under various Programmes of the Transformation & Development Department

From inception till December 2020, 1346 State Sanction records have been entered and 13701 District Scheme Details, along with photographs, have been entered.



Transport

Assam one of the best performing States in Transport Computerization.

First State to implement Speed Limiting Device module integration



Transport: Major projects



Vahan & Sarathi

- Implemented in all DTO's of Assam
- Processing and Issue of all DLs, RCs, Fitness Certificates & permits.
- Speed Limiting Device module integrated.



eChallan & Virtual Court

- Traffic Enforcement Module implemented for Assam Transport Department and Assam Police.
- Integrated with Virtual Court.



Pucc

- Caters to Pollution checkpoints across the State
- Captures Smoke Parameters and Vehicle details
- Pucc issued to vehicle owner if pollution emissions are within norms.



mParivahan

- App for Citizens to avail online transport information and services.
- Digital Licenses and Registration Certificates can be downloaded through the App.

Vahan & Sarathi

Statistics till January 12, 2021:
Total DL'S issued: 14,16,180
Total Vehicles Registered:
36,91,612

Pucc

Statistics till January 12, 2021:
Total Pucc issued: 10,29,424
Total Centres: 553

eChallan & Virtual Court

Statistics till January 12, 2021:
Total issued: 43,230



Office Productivity



Efficient and Open governance

01

02

03



Electronic File Tracking System

04

05

Seamless movement of receipts and file

Status monitoring by department heads

- Implemented in all 58 Departments of the Assam Secretariat and in 16 Directorates/ Commissionerates.
- Implemented in 6 DC Offices and in 1 SP Office in Assam



A DIGITAL WORK PLACE SOLUTION

**ACCOUNTABLE
TRANSPARENT
GOVERNANCE**
BECOME A PART OF IT

OFFICE





Accessibility features

Uniform Navigation

01

02



Standardized Website Framework of the Government of Assam

03

**Proper Categorization
of Content**

04

**Enhanced Citizen
Experience**

Statistics:

- 208 websites of 55 Departments & Sub Departments
- 26 District websites
- Total: 234 websites



Assam Darpan

Presentation of data on KPIs of the flagship schemes and projects

CM DASHBOARD



Open, transparent and accountable governance. CM Dashboard & DM Dashboard have been launched under Assam Darpan umbrella.

DM DASHBOARD

District Magistrate (DM) Dashboard has been rolled out in 28 districts





Revenue, Panchayat & Rural Development and Food & Civil Supplies



ILRMS



- Total No of Deeds Registered (Online) :: 1,66,316
- Total No of Mutation cases Registered (Online) :: 7,97,597
- Total No of cases Registered (Online) :: 2,60,105
- Total No of digitized village maps :: 14,678



Integrated Land Records Management System (ILRMS) has computerized all land records and associated systems through a four-module software application.

01

E-Panjeeyan:
online property
registration

02

Dharitree- for online
updating of land
records

03

**NoC for Ownership
Transfer**

04

Bhunuksha-for
online cadastral
mapping



-----: Major Projects

PDS

NIC hosts and implements all PDS software portals for the digitization and operation of the massive data on PDS.



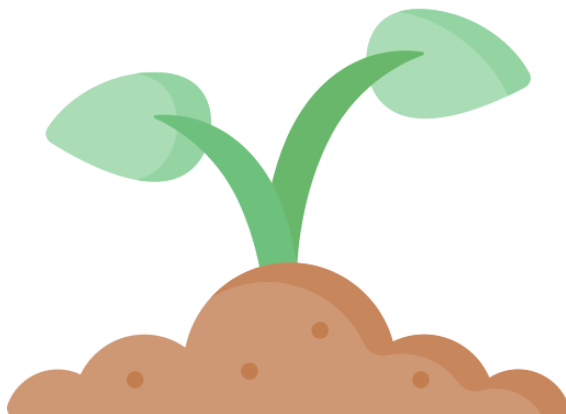
Statistics till January 11, 2021:
Ration Cards Issued: 58 lakhs +
Beneficiaries: 2.51 crores
Fair Price Shops: 37 thousand +
Wholesalers: 863

Soil Health Card

Soil Health Card Information System is used to generate Soil Health Cards with Fertilizer recommendations for farmers and other involved in agricultural production.

ePanchayat

ePanchayat is a project which NIC has implemented for the Ministry of Panchayati Raj (MoPR) to introduce and strengthen the Panchayati Raj Institutions (PRIs)





Home, Political & Judicial



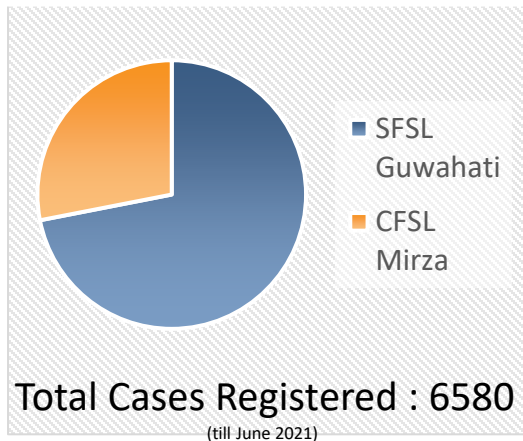
eForensics (<https://eforensics.gov.in>)



Facilitates complete monitoring of various cases coming in FSL offices. The features of the system include Daily Case Registration, Pre-examination activities like Acceptance Check & Case Allotment and Post Examination Activities like Report readiness entry, Report uploading, Parcel entry and Report generation, Dispatch entry etc.



Forensic Science Laboratories in the State where Application has been Implemented.



- Registration of Cases
- Pre-Examination Entries
- Approval / Non-approval of Cases
- Report Readiness and Details Entry
- Report Dispatch Date and Details Entry
- Examination Reports Uploading
- Exhibit Entry against Parcels



e-Prison (<https://eprisons.nic.in/>)



e-Prison

Total Prisoners
Registered Till June'21

Male: 21900

Female : 668

On Board
Jails 31

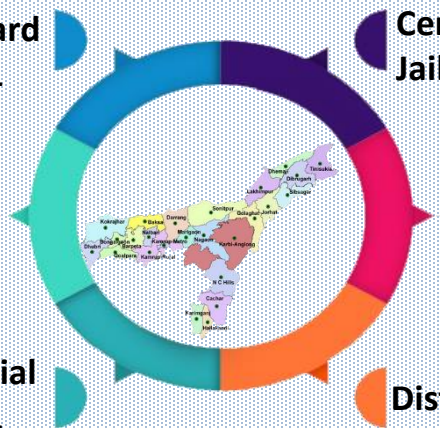
Central
Jail Total 6

Open Air
Jail 1

Sub Jail
Total 1

Special
Jail 1

District Jails 22



Features



Advance visit Request to meet your wards

Instant Visit Request



Statistical informational about prison population ,daily admissions, release, visit etc.

Dashboard



Secure login for investigating agencies for integrated search about inmates

NPIN Login



Submit Grievances of Ward

Grievances



eProsecution Application (<https://eprosecution.gov.in>)



The platform provides electronic communication between Police department and Prosecution department w.r.to legal opinion on various types of cases and scrutiny against the draft charge sheet. It is integrated with CCTNS (FIR Data) and e-Courts systems (CNR Data).

Features

Providing legal opinion, scrutiny of draft charge sheet and case disposal under court affairs by prosecution officers

Daily Performance Reporting System

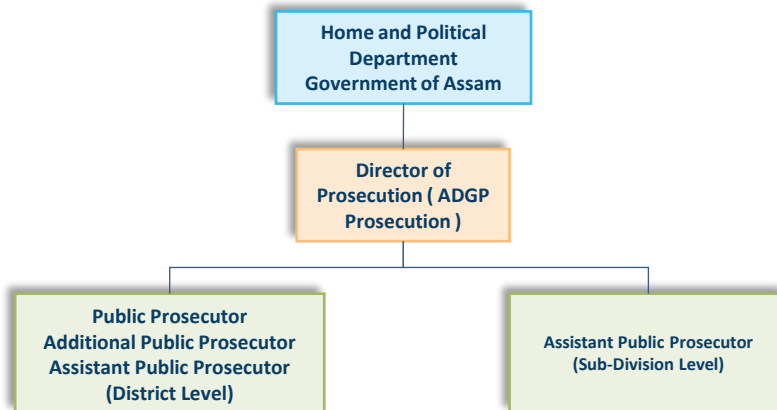
Workflow to assign and forward the cases.

Complete case tracking feature with history.

Mobile Based intimation to IO and prosecution officers.

FIR and Court Online Data availability using ICJS portal.

Minimal Data Entry as details pf FIR and CNR can be fetched in real-time





National Database of Arms Licenses and Arms License Issuing System (NDAL-ALIS)

The Ministry of Home Affairs, Govt. of India has decided to create National Database of Arms Licenses for all the categories of licenses across the country. NDAL-ALIS is a online workflow based arms license issuance system starting from the receipt of applications for arms licenses to document verification, application acceptance, police verification, granting and printing of license. The Application has been Implemented in all the 27 Districts of the State.

Features

Unique Identification Number (UIN) for each Licensee.

Uniform System and License Format All Across India.

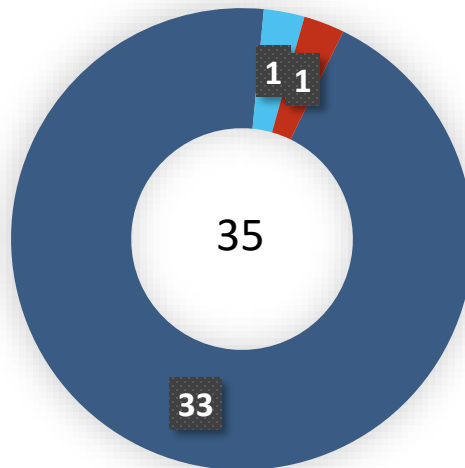
National Database of Arms Licenses in the country.

Online system for issuing of new licenses, renewal services, weapon endorsement etc.

Interface for Police Users for online updating of Police verification.

License Printing provision in A-4 Size and Booklet Format

Implementation Status



District Magistrate Offices : 33

State Home Department : 1

NIC State Coordinator : 1



IVFRT Software Modules



Online Foreigners Registration Application

<https://indianfro.gov.in/frro>
This online system is utilized by foreigners for filling their online application for registration, visa extension, change of address, change of port, change of route, exit permit etc.

S-Form Module

<https://indianfro.gov.in/sform>
The S-Form module is utilized by the educational institutions for filling information related to foreign students admitted in their institutions.

C-Form Module

<https://indianfro.gov.in/frro/F or mC>
Through this system arrival and departure information of foreigners are recorded online by all the hosts viz. Hotels, guest houses, hospitals, educational institutions, individual house owners etc.

eFRRO Application

<https://efrro.nic.in>
This is a workflow based system and whole transactions are done through VPN eToken connectivity. The service certificate is sent through email to applicant. The applicant can also track the status online.

Nationality Status Verification System

<https://visaproces.in/NSV>
The information fed by Indian Missions with respect to individuals for whom Nationality Status Verification is to be done is made available to Districts for Physical verification and updating the status online on NSV system..

India Citizenship Online Application

<https://indiancitizenshiponline.nic.in>
The website facilitates eligible foreign nationals to apply online, fee payment and documents uploading for Indian Citizenship.

PRC Module

<https://visaproces.nic.in/PRC>
The Prior Reference Category (PRC) system is being used by State Government and FRO offices of the state for security clearance of visa applications received from Indian Mission related to PRC countries like Pakistan.

Sri Kartarpur Sahib Pilgrimage Application

<https://visaproces.nic.in/KPR>
Sri Kartarpur Sahib Pilgrimage online portal for the registration of all the pilgrims visiting to Sri Kartarpur Sahib has already been launched on <https://prakashpur550.mha.gov.in> and the registration on the website is started



Judiciary(<https://ecourts.gov.in>)

Data Till June'2021



68 Court Complexes

Online Case Filing
Automation of documents
(Daily Supplementary/
Weekly/ Lok Adalat/
Lawazima).



Cases Filed-1726717
Pending – 272648
Disposed - 1296537



192 Establishments

SMS to the party,
advocates and Judicial
Officers on Fresh
Filing/Listing/Proceeding
/Uploading/Copying

Orders/
Judgements 45
Order per day
(average)



390 Courts

Cause
Lists/Orders/Judgments
/Case Status/Display
Board/ e-Gate pass
available in Courts website

KIOSKS in
Courts premises
as well as at
BAR Room



VC Connections

Online case Status by Case
No/CNR/Party/ Advocate
names/FIR details

Electronic
Display Systems
in Court
Premises





Judiciary(<https://ecourts.gov.in>)

District and Subordinate Courts

Automation of Case Management in District and Subordinate courts
Electronic Display Systems inside Court premises
KIOSK for citizen service



Virtual Courts

Aimed at eliminating presence of litigant or lawyer in the court and adjudication of the case online. <https://vcourts.gov.in>

eFiling, ePay

Online Filing of Court cases.
<https://efiling.gov.in> Payment of Court Fees electronically

NSTEPS

NSTEPS (National Service and Tracking of Electronic Processes)- Android OS APP developed for service and delivery of Court Processes



Home & Judicial: Major Projects

eCourts

- Case Information System used in all courts in Assam
- Implemented in 27 districts and 411 courts.
- Assam Judicial Network covers 60 court complexes and 31 jails.

ePrisons

- Cloud based application for the management of Jails
- Used in all 31 jails in Assam



eProsecution

- Provides electronic communication on legal advice on FIR/ charge sheet between State Police Department and State Prosecution Department.
- eProsecution has been introduced in 32 locations in Assam.

eForensics

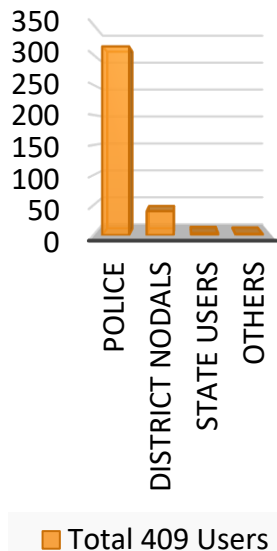
- eForensics is used for management of cases received and examined by the labs received from various agencies.
- It is used by 2 forensic labs in Assam.



Interoperable Criminal Justice System (ICJS)

Creating interoperability among Court, Police, Prisons, Prosecution, and Forensic for speedy and transparent Justice delivery system. It aims to integrate CCTNS (FIR Data) system with eCourt, ePrison, eForensics, eProsecution, Fingerprint, and Women & Child Department (WCD) systems for seamless flow of information among these pillars of Criminal Justice System to achieve "One Data Once Entry".

Crime Information @
Fingertips. Just log on to
(<https://icjs.gov.in>)



- Pan India Search.
- One Data Once Entry.
- Pillar Analytics.
- Data Exchange and Services.
- Data Linking Across the Domains.
- Comprehensive Docket.



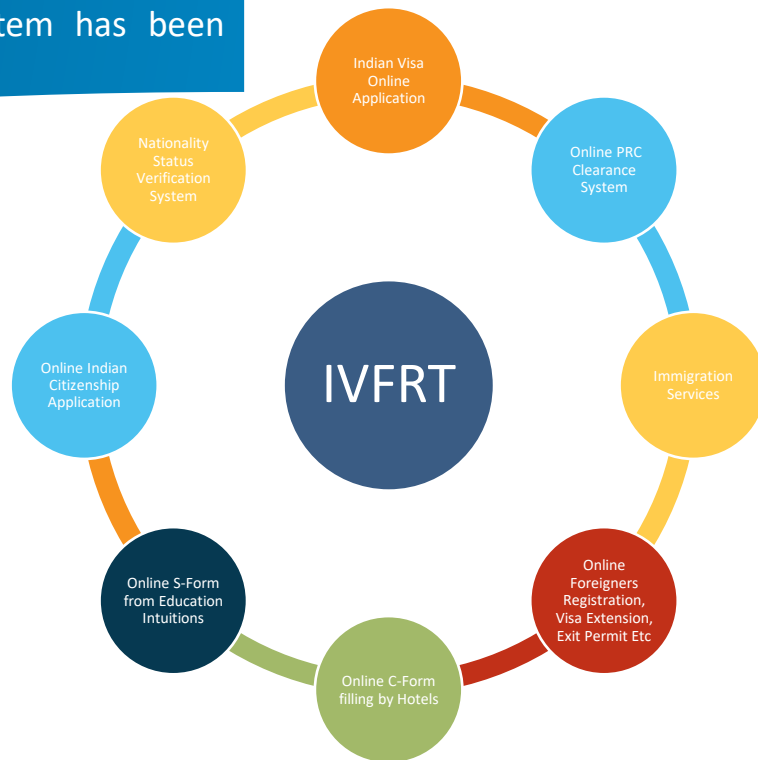
Immigration Visa and Foreigners Registration & Tracking System (IVFRT)



IVFRT is a Central Mission Mode project initiated by Ministry of Home Affairs, Govt. of India. Bureau of immigration is the nodal agency for overall coordination and implementation. The objective of the project is to facilitate legitimate travelers while strengthening the security of the country. The IVFRT system has been developed by NIC HQ New Delhi.

Projects Implementation Status in the State

- ★ Online eFRRO system in all the FRO /SP Offices of State for providing services like Registration, Visa Extension, Exit Permit etc.
- ★ Online PRC Clearance for PRC Counties Nationals.
- ★ Online C-Form filling by Hotels, Guest Houses, Dharmshalas etc.
- ★ Online S-Form filling by Education Institutions where foreign students and research scholars.
- ★ Online Indian Citizenship Application for Foreign Nationals and Backend Processing System in District Magistrate and SP offices.
- ★ Nationality Status Verification System





e-Panchayat

Local Governance Directory

Captures details of local governments, assigns unique code, Maps Panchayats with Constituencies, Provides details of Elected Representatives etc.

<https://lgdirectory.gov.in/>

eGramswaraj

A user friendly web-based portal, eGramSwaraj, aims to bring in better transparency in the decentralised planning, progress reporting and workbased accounting.

<https://egramswaraj.gov.in/>

e-Panchayat
Panchayat
Enterprise
Suite

Audit Online

Audit Online facilitates audit of Government Institutions online. The system allows the users to add the details of Auditor and Auditee.

<https://auditonline.gov.in/>

Trainings Management

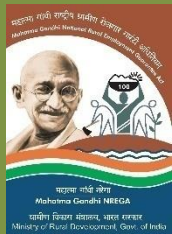
Training Management Portal facilitates the organizations in capturing the Training demands / needs of the Elected Representatives and officials. It lead to sizing the demand and preparation of training calendar and resource estimation.

<https://trainingonline.gov.in/>

Area Profiler- No. of GPs with Profile Created (2021-22)	135
No. of GPs with Approved GPDP (2021-22)	2180
eGS- PFMS integration : No. of GPs ported from PFMS for 15th FC scheme	2164
ActionSoft (2020-21) : No. of GPs & Equivalent started geo-tagging	2663



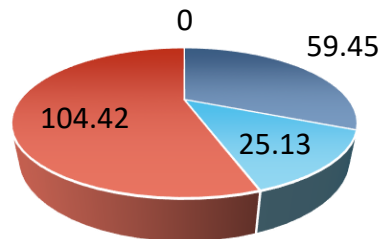
Panchayat & Rural Development Department



**Mahatma Gandhi
National Rural
Employment
Guarantee Act**

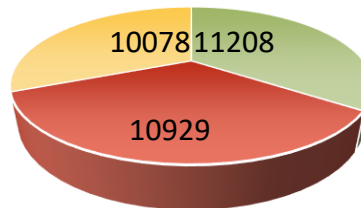
<https://nrega.nic.in>

(FY - 2020-21)



- Total No. of JobCards issued[In Lakhs]
- Total Households Worked[In Lakhs]
- Total No. of Workers[In Lakhs]

(FY - 2020-21)



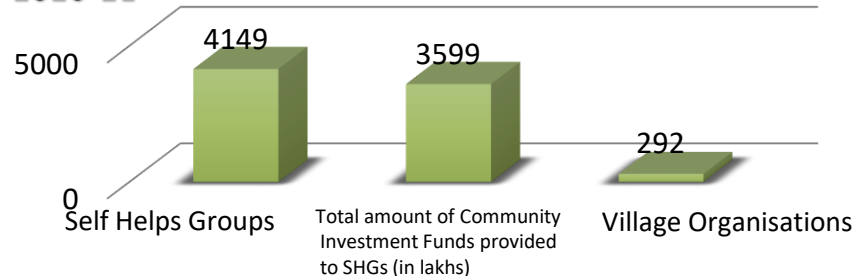
- Total No. Of FTO Generated
- Total No. Of FTO Signed
- Total No. Of FTO Verified



**Pradhan Mantri
Awas Yojana –
Gramin (PMAYG)**

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

Progress in 2020-21



**National Rural
Livelihoods
Mission**



Panchayat & Rural Development Department



**Pradhan Mantri
Gram Sadak Yojana
(PMGSY)**

<http://omms.nic.in/>



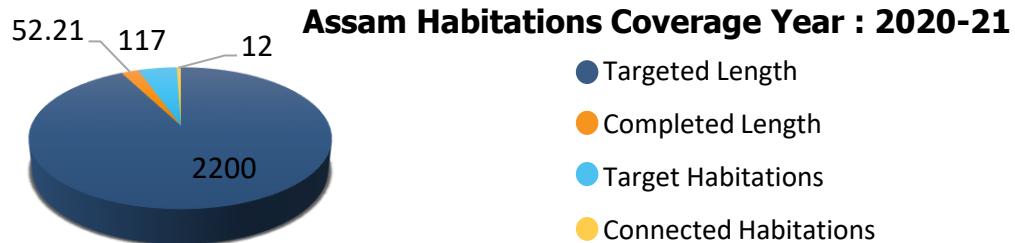
**Deen Dayal
Upadhyaya Grameen
Kaushalya Yojana
(DDU-GKY)**

<https://rural.nic.in/>

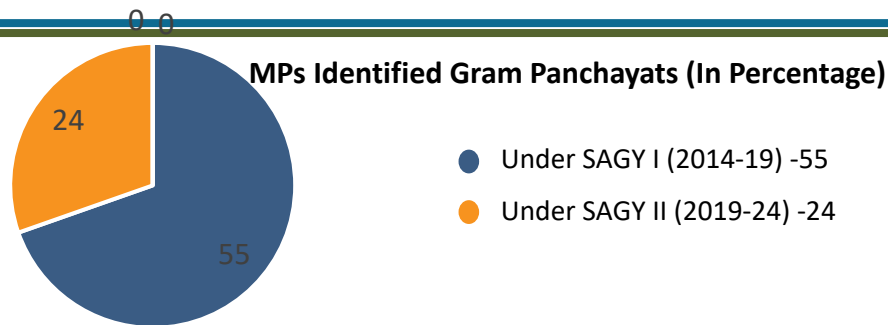
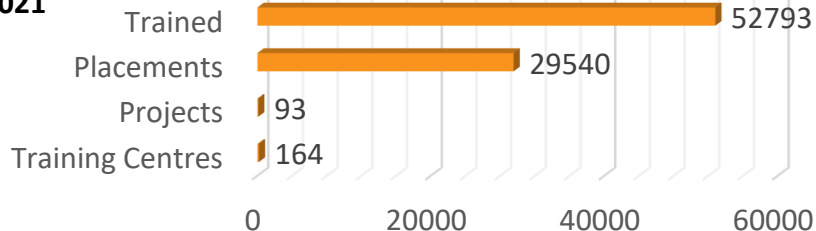


**Sansad Adarsh
Gram Yojana**

<http://saanjhi.gov.in>

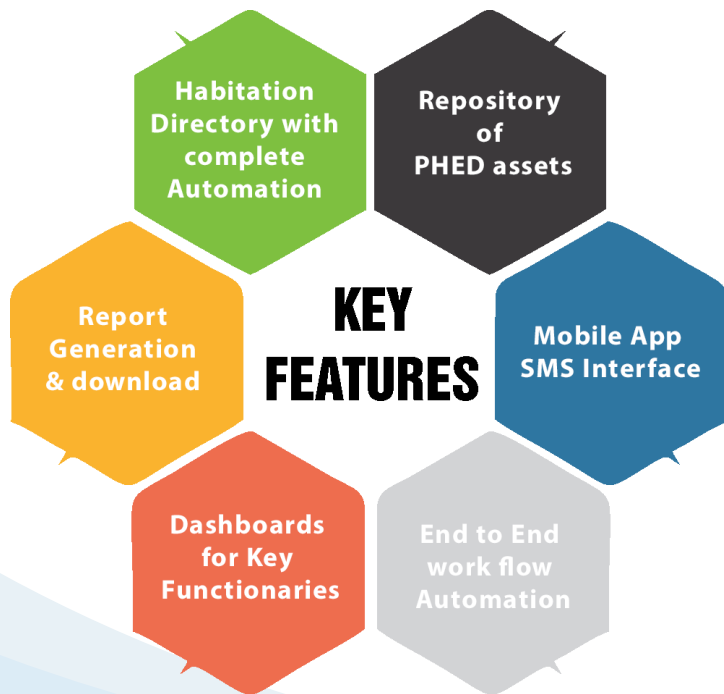


Till June'2021





Nirmal Jal (PHED)



Total Modules : 14

First Phase: 8 Modules

1. Habitation Directory & Asset Directory
2. Proposal Monitoring
3. Work Monitoring
4. Water Quality Surveillance Monitoring System (WQ-SMS)
5. HR Management for the Laboratories
6. Inventory and Asset Management for the Laboratories
7. Complete Training Management & Monitoring System
8. Grievance Redressal Monitoring System (GRMS)

Second Phase : 6 Modules

1. Financial Management
2. Employee Management
3. Vendor Management
4. Right to Information (RTI)
5. Central Store
6. Annual Action Plan



Health: Major Projects

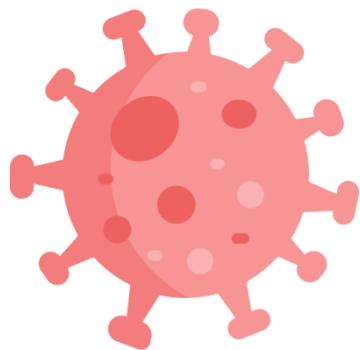
- Cloud-based Hospital Management Information System
- For internal processes and workflow of hospitals



- Mother and Child Tracking System (MCTS) tracks pregnant women and child in Assam

- Phase 1 implementation underway in 6 medical college hospitals
- Implemented in 1 district hospital and underway in other 24 district hospitals.

- Helps to provide them with all Government medical facilities



Covid-19



Covid-19 Support Applications for Assam

COVAAS

- COVAAS (Corona Virus Alert Assam) mobile App brought services and information related to the pandemic on to a single platform for the convenience of the administration and citizens.
- Real-time dashboards, contacts of doctors/ helplines, links to government advisories and notifications, facility to enroll for Covid19 assistance and to participate as a volunteer, etc.

Covid-19 Advisory Portal

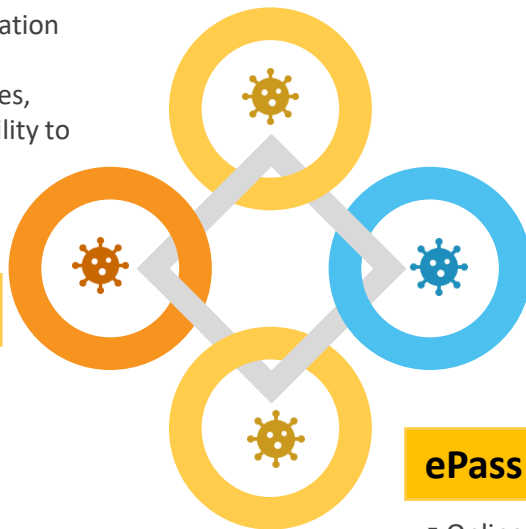
- Comprehensive web portal counterpart of COVAAS. It provides additional information on all Covid-related schemes, district case details, Central/State/WHO advisories, training/capacity-building videos and materials, etc.

COVID Suraksha

- COVID Suraksha suite comprising an Android mobile application and a web-based application portal, for ensuring that Home Quarantine cases were being properly monitored by the assigned surveillance teams of health workers.

ePass

- Online system for ePass generation for inter state and inter district movement during Covid-19 lockdown period.
- ePass for movement of essential goods and commodities during Covid-19 lockdown period.





Manav Sampada



Human Resource Management Solution for Employees

01

Service Book

02

Leave

03

APAR

04

Transfer & Postings

05

Annual Property Returns

সমন বিকল্প
eHRMS - Manav Sampada
E Service book
ASSAM
SECRETARIAT ADMINISTRATION DEPARTMENT

Employee Name: 1085-> DEBANGSHU DAS
Designation: STENOGRAPHER GRADE I
Parent Department: SECRETARIAT ADMINISTRATION DEPARTMENT
Posting Department: SECRETARIAT ADMINISTRATION DEPARTMENT
Establishment Department: SECRETARIAT ADMINISTRATION DEPARTMENT
Posting Office: SECRETARIAT ADMINISTRATION DEPT - KAMRUP METRO - ASSAM
Establishment Office: SECRETARIAT ADMINISTRATION DEPT - KAMRUP METRO - ASSAM

Section - A (FORM1:Employee Personal Information)

Father Name	LATE JYOTIRMOY DAS	Gender	Male
Employee Name	1085-> DEBANGSHU DAS	Category	General
Date of Birth	31 Dec 1961	Blood Group	B+
Caste	BENGALI	Height(in Cms)	166
Religion	HINDU	Home State	ASSAM
Marital Status	MARRIED	Home District	CACHAR
Date of Retirement	31 Dec 2021	Home Town	SILCHAR
Joining Date in Current Office	22 Nov 1984	E-salary Code	
Identity Mark	MOLE BETWEEN NOSE AND UPPER LIP		
Sub Designation		Service	Assam Stenographer Service
Source of Appointment	DIRECT APPOINTMENT	Service Grade	
Pay Commission	7th Pay Commission	Basic Pay	83070
Pay Band	PB-4	IncrementDate	01 Jul 2019
Pay Scale	NA	Grade Pay	13300



Human Resource: SPARROW, ER Sheets

Performance Appraisal

SPARROW

✓ Smart Performance Appraisal Report Recording Online Window (SPARROW) is being used by the Assam Government to automate and make online the entire process of performance appraisal of its employees.

✓ SPARROW is currently operational for more than a thousand civil services officials including IAS, IPS, ACS, APS and allied services.

✓ A proposal for implementing SPARROW for another 10,000 of its employees is under consideration of the Assam State Government

For ACS Officers

ER Sheet

✓ Executive record (ER) sheet module for ACS officers integrated with Personnel Information system for the Department

✓ Executive record sheets of ACS Officers accessible online through the public network.

✓ Aids in decision making on postings and transfers based on their experience, skills and trainings attended.

✓ The Personnel Information system is being used by the Department for various activities such as Leave record Management and charge handing over- taking over record keeping.



eGranthalaya

NIC National
Informatics
Centre



Cloud-based

eGranthalaya is a cloud-based Library Management Software that facilitates to automate the in-house activities of the library as well as member services.

Libraries

eGranthalaya has been successfully implemented in 4500+ libraries.

ICT Solution

It is a complete ICT solution with integrated Library Management Software, Digital Library Module, Cloud hosting environment and a Library Portal (OPAC)



RERA



Application for automation of the work processes of the Assam Real Estate Regulatory Authority (RERA).

- ✓ The online cloud-based software will enable builders to file online applications for building approvals
- ✓ It has a module for grievance redressal through the RERA court.
- ✓ Applicants will be able to fill all required forms online, upload copies of documents required, pay required fees online and track the status of their applications and grievances.





Services provided by NIC in Assam

The Assam Government connects with the digital world through the NIC network - **NICNET**

VC facility at various levels of the administrative hierarchy

RCoEAS, Guwahati established in February 2018, covering all North Eastern States emphasises on strengthening and accelerating adoption of Application Security, ensuring security compliance of Web Applications and Server Infrastructure





NICNET Infrastructure and Services



**Assam Secretariat LAN
(Total=3450 Nodes)**

**24 nos. of BSNL / Railtel links
are connected to NIC DHQ**

**NIC Assam Mini Cloud
Hyper-Converged Infrastructure**

**Chief Secretary Office
Video Conferencing**



NICNET Infrastructure and Services



NICNET Connectivity

All 33 NIC DHQ are connected.
34 Mbps BSNL / Railtel links to 28 NIC DHQ from Guwahati.

1Gbps/ 100 Mbps NKN redundant links to 25 NIC DHQ

8 Mbps BSNL links to Old Raj Bhawan

24 Mbps BSNL links to New Raj Bhawan

FCI- District Office, FCI-Regional Office & FCI –Zonal Office are connected via 2 Mbps and 10 Mbps BSNL Lease

Infrastructure

24x7 NOC and NKN Support

10 Gbps Links to four Super Core Location Delhi, Kolkata, Bangalore and Chennai

10 Gbps / 2.5 Gbps connectivity to North Eastern States (Meghalaya, Mizoram, Manipur, Itanagar, Gangtok, Kohima and Agartala).

2X60 KVA online UPS with 1-2 hours back up

VC Services

1 Polycom RMX 800 MCU at NOC

Total 33 nos. VC Studios in District NIC

Total 2 nos. of VC Studios at Assam Sate HQ



NIC Infrastructure and Services



VC Support

3000 avg VC support session per year during covid19 situation

Desktop VC

WiMax / RF Links

47 Directorates locations are connected with 2 Mbps links through Wimax.

Under Land Records Network Project 210 nos. locations of Revenue Circle Offices and Sub Register offices connected through BSNL lease line and RF network of 2 Mbps bandwidth each from nearest NIC centres.

Under Assam Police Special Branch Automation Project 34 Locations are connected by RF of 10 Mbps each. All SP offices of 30 districts are connected under this project.

In Guwahati, we have 2 DTO Departments i.e. DTO-Kamrup Metro and Commissioner of Transport, Jawahar Nagar are connected via 10 Mbps RF link to NICNET, Guwahati.

33 Districts Transport Offices , which are connected to District NIC centres through 10 Mbps BSNL RF Link.

Raj Bhawan

24 Mbps BSNL link to New Raj Bhawan

8 Mbps BSNL links to Old Raj Bhawan.

Video Conferencing



सत्यमेव जयते

NIC Infrastructure and Services



Hyper Converged Infrastructure (HCI) Cluster

Cloud Software Details

Cloud Operating System: Vmware ESXi 6.7

Backup Application: Micro Focus Data Protector A.10.30

Software Load Balancer: Radware Alteon 32.2.0.0

HPE Synergy (SY 480 Gen 10) vSAN ready configuration

Virtualization Layer

- VMware vSphere 6 Enterprise Plus
- VMware vCenter Server Standard

VM PLATFORM OS:

- Windows : Windows Server 2016 Data Centre Edition
- Linux: Red Hat Enterprise Linux 7.9

Cloud Space Availability

CPU: Capacity: 1.20 THz, Used: 67.70 GHz, Free 1.13 THz

Memory: Capacity: 6.39 TB, Used: 2.15 TB, Free: 4.23 TB

Storage: Capacity: 418.33 TB, Used: 37.01 TB, Free: 379.32 TB

SECLAN

Designed with three layer architecture with fiber connectivity up to Access switch

40 Gbps backbone connectivity from Core Switch to Distribution switch (DS)

10 Gbps backbone connectivity from DS to Access Switch

8 Blocks (A,B,C,D,CM,E,F,H) are connected .

All Blocks are also fully connected with secured WiFi .

All devices are Juniper . Firewall SRX 5400 is used , all Core Devices (QFX 10008, EX4600 model) are configured in virtual chassis having redundant links.

24x7 Monitoring with Junos Space .

Juniper Secure Analytics is used to detect and analysis of a threat on network at real time.



NIC Infrastructure and Services



Courts / Jails / PHED Connectivity

Connected 36 Nos. of Courts connected by BSNL through RF of Bandwidth 4 Mbps and 10 Mbps from nearest NIC district centres.

In addition to that we have 24 Nos. of Jails connected by BSNL through RF of Bandwidth 4 Mbps from nearest NIC district Centres.

Also 26 Nos. of Courts of Bandwidth 4 Mbps and 10 Mbps and 7 Nos. of Jails of Bandwidth 4 Mbps has been connected via BSNL MPLS.

BSNL has provided one 100 Mbps point to point connectivity from BSNL NIB to NIC Guwahati for communication with MPLS cloud and E-courts vrf.

In Assam, we have 18 Nos. of 2 Mbps BSNL links connected to PHE Division offices.

Also we have 23 Nos. of 2 Mbps RF links are connected to PHE-Sub Division offices.



National Knowledge Network(NKN) Project.



National Knowledge Network (NKN-NOC)



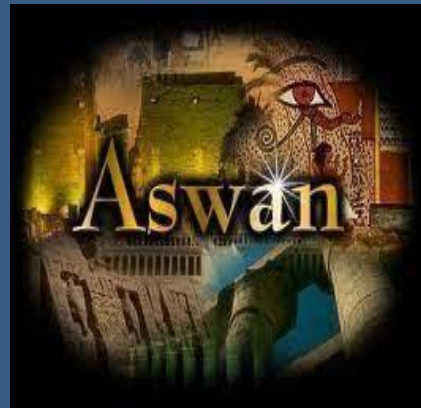
25 districts of Assam are connected from NKN



61 nos. of higher institution are connected from NKN dual and 1Gbps Near DR link



ASWAN, ASDC 1 Gbps



NKN-ASWAN integration with 27 districts.



NKN Infrastructure and Services



NKN- Districts

1 Gbps / 100 Mbps PGCIL , Railtel and BSNL fiber optic connectivity to 25 districts of Assam are with NKN .

Moreover 2 districts of West Bengal i.e. Cooch Behar and Alipurduar are also connected from NKN Guwahati.

Infrastructure

24*7 Operational Network Operation Center and 10 Gbps PGCIL and RAILTEL links to four super core locations Delhi, Kolkata, Bangalore and Chennai.

#1 Gbps Connectivity to NIXI ([National Internet Exchange of India](#)).

10 Gbps /2.5 Gbps BSNL,RAILTEL and PGCIL fiber connectivity to North Eastern States (Arunachal Pradesh, Meghalaya, Mizoram, Manipur, Sikkim, Nagaland and Tripura).

42U size 8 Rack capacity NOC.

60x2 KVA online UPS with 2-3 hours battery back up.

One DG set for power disaster recovery.

Server room equipped with NOVEC Automatic Fire suppression system.

NOC equipped with Access Control Proximity and Biometric system.

Assam State wide area network (ASWAN)

#NKN have SWAN integration with 27 districts of Assam.

#Dual 1 Gbps fiber connectivity to Near DR Assam State Data centre and 1 Gbps to new Assam State Data Centre.

#1Gbps link to ASWAN.

NKN Infrastructure and Services

Total 61 nos. of higher educational institutes are connected from NKN Guwahati under the following category:-

Engineering

Medical, Ayush



Research & Development

Defense, Management



6 nos. of NMEICT links are also included in the list

Co-operative

Agriculture

NKN Services are categorized into three major categories:

- 1. Cloud based Services:** The LDAP PaaS is a cloud based LDAP Server provided to each institute which gets provisioned on demand from a single link click which will enable NKN user to have their directory service located at NKN cloud.
- 2. Network Oriented Services:** Internet, Intranet, Network Management Views, e-Mail, Messaging Gateways, Caching Gateways, VPN, Web Hosting, Voice over IP, DNS service, Multipoint Control Unit (MCU) Services, Video Portals, SMS Gateway, Video Streaming etc.
- 3. Application Services:** Smart Class, SMS gateway services, Open Source IP Registrar (OSIR) services etc.



Recent Initiatives in Assam



सत्यमेव जयते

RurbanSoft

- Total States/Uts covered: 35, Total Districts Covered: 253, Total GPs covered: 2,803, Total Approved Cluster: 296, Total Works till date: 65,000, Total states using PFMS payment: 29, Total Works Geotagged: 13,671



Developing rural areas by provisioning of economic, social and physical infrastructural facilities.

01

Development of 300 Rurban clusters

02

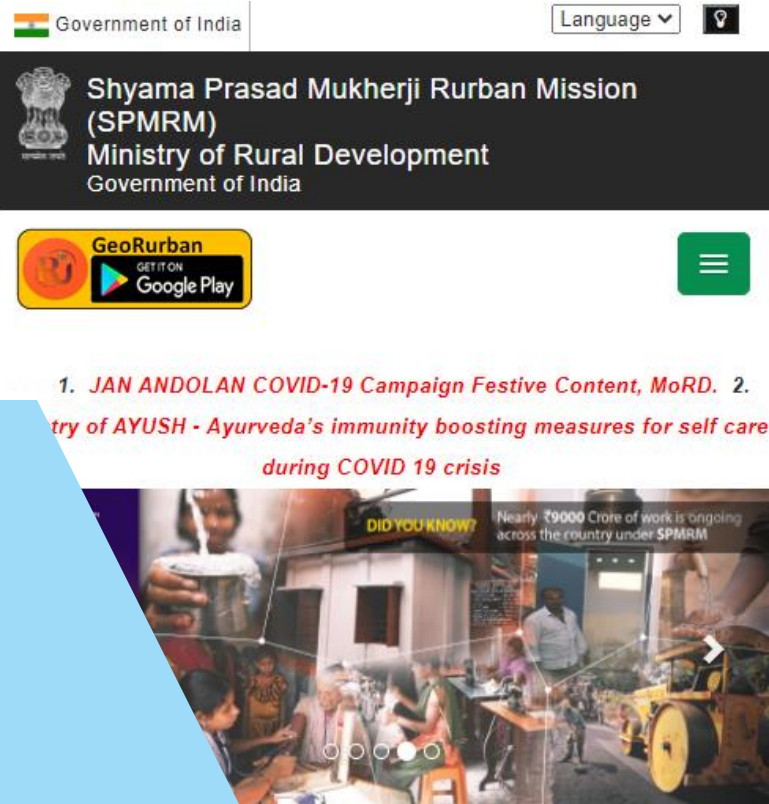
Web and mobile platform

03

Integrated with PFMS for payment to vendors

04

GeoRurban App to upload physical status and geo-tagged images of each work implemented at cluster and GP level





Assam State Portal

Disabled Friendly
Website

01

English & Assamese
Versions

02

QR code: To access
Documents

03



One-stop Platform: The Assam State Portal will act as the umbrella website connecting all websites of the Government of Assam.

04

AI Chatbot:
VANI

05

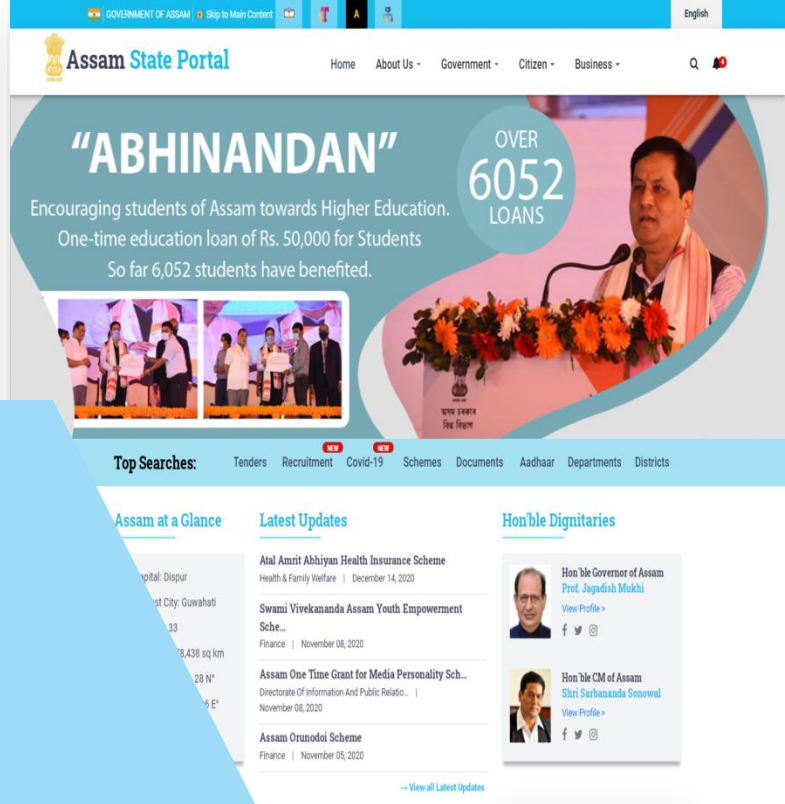
Advertisement
Options

06

Tenders, Events & Press
Releases/ Transfer & Postings

07

Information about all Dignitaries of the
Government of Assam





Citizen Service Delivery Platforms

ARTPS

Assam Right to Public
Services

EODB

Ease of Doing
Business

OBPS

Online Building
Permission System

Developed with **SERVICE PLUS**: e-Service delivery framework



ARTPS

Single point access
to notified
services

01

Time bound Service
Delivery

02

No physical visits
required

03



ARTPS facilitates efficiency and accountability for better
delivery of citizen-centric services under ARTPS Act

04

25 services
online

05

Grievance
Redressal

06

Appeal Management

07

MIS Dashboard





Ease of Doing Business



Ease of Doing Business in Assam
Government of Assam



Single Unified
Platform

01

Filing Management

02

Status Tracking

03



A Single common, unified platform for all government services, for filing, management and tracking of clearances, approvals, registrations and renewals

04

No physical
visits required

05

Expedited
delivery of
services

06

Implemented in 19
Depts and 37 Sub Depts

07

300 plus Online Services





National Data Centre for NER

- Quick implementation of e-Governance applications
- Consolidation of information, aggregation of services through single window
- Disaster Recovery Centre for the Data Centres in the North Eastern States.
- Will benefit both Citizens and the State Government





Kritagyata

Single window, User friendly interface

Pension tracking by the State retirees

PPO generation on the day of retirement

01

02

03



An online system used to process and generate pension papers of retiring employees of the Assam Government

04

05

06

07

Monitoring of any delay

Timely and accurate calculation of retirement dues

Timely disbursement of first & subsequent pensions.

The systems will be able to alert each stakeholder for every action due



Kritagyata

Pension Sanction & Payment Tracking System

(Developed under *Bhavishya* Platform)



About Us

Nodal Officers List

FAQs

Contact Us

Statistics till date:

- Office Registered- 12
- PPO's issued- 70 (Including those who retired on 31st Dec 2020)
- PPO's processed- 49 (for distribution on 31st Jan 2021)

Inaugurated by Hon'ble Chief Minister of Assam on 1st August, 2020



Niyukti

Paperless recruitment process

01

Dedicated real time dashboard

02

Mobile friendly user interface

03



Recruitment: Niyukti is an online recruitment solution for Government of Assam employments.

04

Initiation of a recruitment process in matter of hours

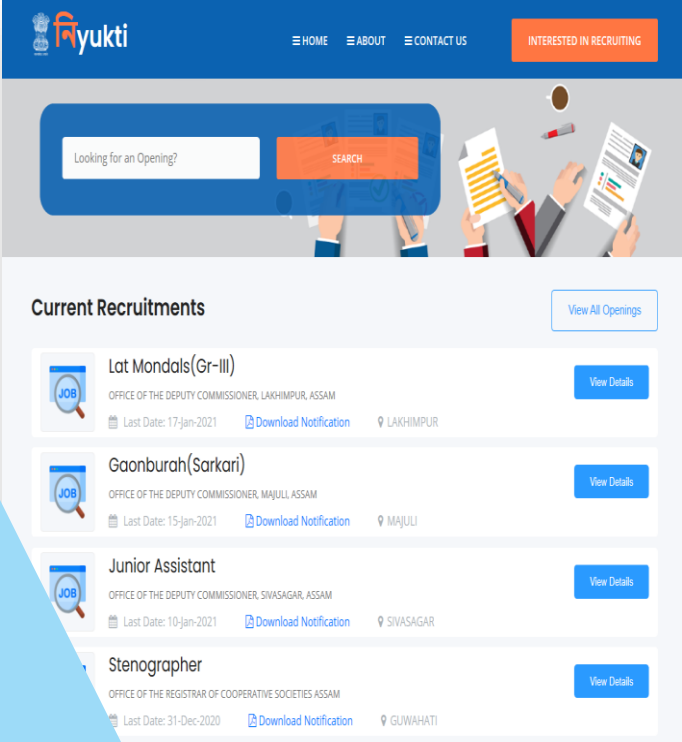
05

Readily available integration with SMS and email services

Recruitments till date:

Total recruitments- 37, Total posts- 46

Vacancies filled – 150+, Total applications- 74,476





Digital Secretariat

Transparent
eGovernance

01

Accountability

02

Monitoring

03



Moving towards a paperless office by implementation of the eFile module of eOffice

04

Anytime,
Anywhere access

05

Promotes efficiency

06

Faster movement of files





Kisan Rath

**Boosts Buyer-seller
networking**

01

**Timely selling of
produce**

02

**Radical reduction in
wastage**

03



**Comes as a boon to growers of perishable fruits
and vegetable in the State.**

04

**Boon to growers of
perishable fruits and
vegetable**

- The Hon'ble Chief Minister of Assam Shri Sarbananda Sonowal launched the National Informatics Centre (NIC) developed Kisan Rath App on 6th October, 2020 for Assam.



Nirmal Jal

Creation of Online
Habitation Directory

01

Creation of Asset
Directory

02

Work Monitoring
System

03



Comprehensive web portal for PHED, Assam covering all core functions of PHED along with Training MIS, Grievance Redressal and Water Quality Surveillance Monitoring System.

04

Training MIS &
Proposal
Monitoring

05

Grievance Redressal
Monitoring System

06

Inventory, HR and Asset
Management for Laboratories

07

Water Quality Surveillance Monitoring
System (WQ-SMS)





CS Dashboard

Open, Transparent and
Accountable
Governance

01

Reflects the
Government's
performance

02

KPI based Ranking
System

03



Facilitates the presentation of data on KPIs of the
flagship schemes and projects of the Government
of Assam

Enables monitoring and decision making





District Initiatives

Paddy Disease Detection System

- Automated Paddy Disease Detection System (APDDS)
- Contributes towards prevention and control of paddy diseases
- Improving the quality and quantity of agricultural products

Jal Tarangini

- IOT Technology enabled, Automated River Water Level Monitoring System
- Pilot to be launched in Guwahati & Dibrugarh

Goalmart

- e-Commerce site for local products for individual or small groups of producers
- Showcasing and sale of agro products, food items, handicraft, terracotta, local and tribal attire etc.



Centres of Excellence of NIC



- Centre of Excellence for Data Analytics, New Delhi
- Artificial Intelligence Resource Division, New Delhi
- Centre of Excellence for Block chain Technology , Bengaluru
- Centre of Excellence For Application Security, Guwahati
- Centre of Excellence for Micro services, Kochi

The Centres of Excellence promotes the meaningful use of emerging technologies in governance across all levels of government.



Training and Capacity Building



Training and Capacity Building

GePNIC (Government eProcurement of NIC)

- ✓ 45 Training Programmes in last one year
- ✓ 1,460 people trained

PDS (Public Distribution System)

- ✓ 5 Training Programmes in last one year
- ✓ 235 participants

eRupantor

- ✓ 6 programs with 129 participants

eOffice

- ✓ 112 programs
- ✓ 2,700 participants

ePrastuti

- ✓ 7 Master Trainer courses
- ✓ 311 Master Trainers trained
- ✓ 88 Master Trainers certified
- ✓ 87 Content Managers trained
- ✓ 2 Training Programs at IIT Guwahati for 76 Master Trainers
- ✓ 2 Workshops with 34 total participants

ACS & Allied Services

- ✓ 100 officers of Allied Services trained
- ✓ 80 ACS officers trained



Training and Capacity Building: Symposiums



Enterprise Architecture held at the Assam Administrative Staff College, Government of Assam in Collaboration with National Informatics Centre, Assam State Centre.

The Symposium was attended by **80 Senior Officers of Government of Assam** from various Departments.

Data Analytics in Government – Challenges and Opportunities was held at the Assam Administrative Staff College, Government of Assam in Collaboration with National Informatics Centre, Assam State Centre.

The Symposium was **attended by 100 Senior Officers of Government of Assam** from various Departments.

A **Symposium on AI** is was held on the **24th of February 2021** at the Assam Administrative Staff College.



New Products



eCABINET: eCabinet/ eMantrimandal is a powerful software portal for State governments to conduct Cabinet meetings electronically and in online mode. Developed by NIC, it maximizes usage of technology in meetings and reduces paper use.

APSC: ICT solution for the State Public Service Commission to enable fair, transparent and faster processing of the departmental recruitment process. One time registration facility, recruitment information and easy application process for the applicants.

VLTD: Online Application for Vehicle Location and Tracking Device monitoring and response developed by NIC with an integrated command and control centre.

The new products are ready for implementation and the State Government may consider implementing the products in the Government of Assam.



Suggested steps for promoting Digital Governance



Suggested Steps (1)



Govt HR solution

Extending the Manav Sampda HR solution across the Government and integrating all efforts into a SINGLE solution



Replicable products

Adoption and Adaption of existing products successfully implemented in other states



GIMS communication software

Government Instant messaging solution for security.



Suggested Steps (2)



Strengthening of District LAN Infrastructure

Proper structured LAN cabling should be done in all districts to ensure effective network speed.



Quarterly Review

Request quarterly review of NIC activities by CS and team of senior officials



VC coordination cell

VC support team can be set up in the State Govt who can liaison with NIC VC team for organizing and supporting the increasing VCs.

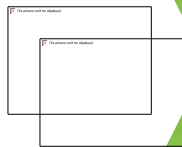


Suggested Steps (3)



**Updating of the
Department &
District websites**

Regular updating of the Department
& District websites



**Infrastructural
Support**

Infrastructural support for the
Departments to implement eOffice to
achieve Digital Secretariat .



**To facilitate
closer working of
NIC in the
departments**

A senior officer of NIC has been
assigned as the NIC Nodal Officer
for every Department.