

Major Projects in Assam

eGovernance projects, ICT support in the State & Districts, Trainings, Launches and Accolades



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I. Major Activities undertaken during the period from January – December 2022 in Assam

1. Sadbhavana

Ushering in a new era in citizen-centric governance

The Government of Assam, with an objective to provide responsive administration to the people undertook a unique exercise to clear pending cases in files (before May 10, 2021) in various departments. Project Sadbhavana was launched by Hon'ble CM on Feb 1st, 2022 with the ambitious initiative to make governance citizen-friendly by ushering in a new era in e-governance.



Ceremonial Launch of Project Sadbhavana by Hon'ble CM of Assam Dr. Himanta Biswa Sarma

Through the Sadbhavana portal (sadbhavana.assam.gov.in), citizens could submit their pending cases for redressal within a 3-month window. Accordingly, the government will take steps for disposing of the files. Even without file numbers and correspondence details, the government will dispose of the files as per laid down government procedures. A total of 2506 applications were received through the portal.

The aim of project Sadbhavana is to present responsive administration to the people so that the state can expedite its journey to becoming one of the top-performing states in the country.

Sadbhavana has 3 components:

1. Disposal of old pending cases (files prior to 10th May, 2021) through applications received from citizens through the Sadbhavana portal sadbhavana.assam.gov.in
2. Closing of all files (physical) which were opened prior to 10th May, 2021 by closing all pending matters in those files. After files are closed, categorization was done as per Government guidelines.
3. Migration of all departments to eOffice by 2nd October, 2022. All ECFs prior to May 10th, 2021 were closed on priority. Reports generated through eOffice MIS for all departments helped in listing out file pendency and departments were able to close all files as directed.

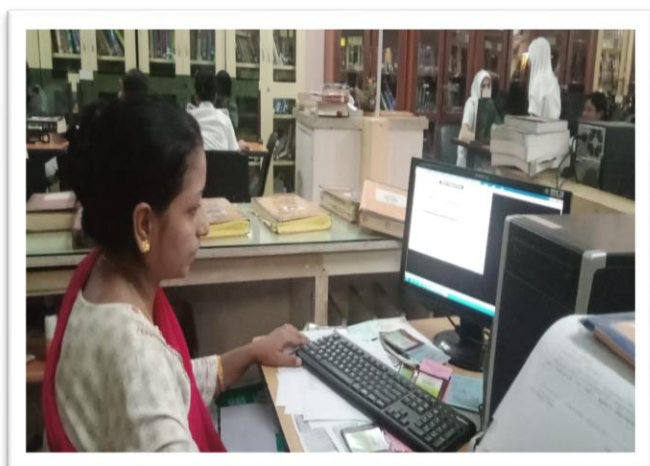
The spirit of the project is to help people who are seeking government response. The officers and staff responsible for the implementation of the project should adopt sympathy and empathy for public interests. The offshoot of the project Sadbhavana will ensure a seamless transition of the present system to an e-office system. Sadbhavana 2.0 will now be launched as a permanent portal.

2. eOffice

Driving Digital transformation in Government - Replacing the existing manual handling of files with a more efficient electronic system

The adoption of eOffice is a key strategic initiative of the Assam government to fulfil the vision of "minimum government, maximum governance" and boost transparency and citizen-centric delivery mechanism. It is expected to increase accountability and responsibility in the government administration by bringing in an efficient and transparent public delivery system.

Electronic workflow is a strategic asset for supporting core governance business and enhancing efficiency and productivity. eOffice is developed with the aim to automate government work is a cardinal pillar of 'Digital India'.



An employee working in the eOffice Portal



Training on eFile Implementation for the Departments

All departments of the Assam Secretariat migrated to the electronic mode of eOffice on October 2, 2022. There is now no movement of physical files in any department of the Assam Secretariat.

Offices of the Deputy Commissioner in all 33 Districts of Assam are also being on-boarded to the electronic mode of eOffice. As of December 2022, eOffice in electronic mode had been started in 33 DC offices.

- 150 training sessions on eFile, covering 2000 plus officials of Departments and districts conducted.
- 11321 files converted to electronic
- 53266 eFiles created



Training on eFile for the Officials of the Government of Assam



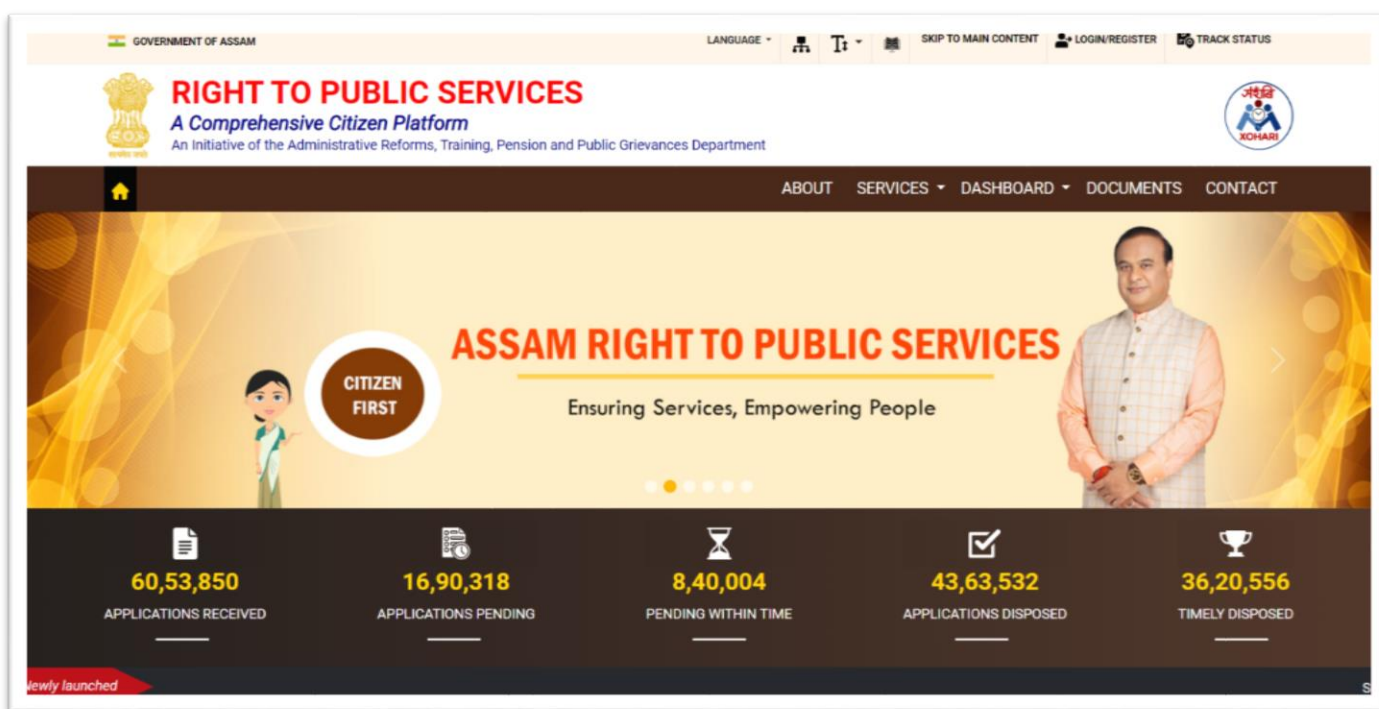
As a part of the capacity-building initiative, more than 500 programs were organized for Master Trainers and Local Admins for all the Departments of the Assam Secretariat and the 35 Districts offices. Specialized

training for departments where eFile was started along with skill enhancement sessions was conducted for the Assam Secretariat departments.

3. Right to Public Services Platform

Ensuring services, empowering people

To further strengthen Hon'ble PM Sri Narendra Modi's call for Minimum Government, Maximum Governance, the Assam Right to Public Services Portal (rtps.assam.gov.in) was launched on Oct 7, 2021 by Hon'ble Union Minister of Finance & Corporate Affairs, Smt. Nirmala Sitharaman in the august presence of the Hon'ble CM, Assam.



Homepage of the Assam Right to Public Services Portal

The primary objective was to reduce physical visits for availing services and to make all citizen-centric services available through a single portal.

Through the Right to Public Services Portal as of December 2022 the following has been achieved:

- 128 services rolled out, covering 20 departments and 3 councils
- 58 lakhs plus applications received
- 28 workshops relating to services and Appeal Management conducted

4. Kritagyata

Winner of 19th CSI SIG (Computer Society of India Special Interest Groups) Award of Recognition

In a State-level function organized today by the District Administration, of Kamrup (M), Hon'ble Chief Minister of Assam Dr Himanta Biswa Sarma inaugurated 27 Kritagyata Pension Seva Kendra's (PSKs) and dedicated them to the citizens of Assam. He appreciated the functionalities of the Kritagyata portal which provides digital facilities for online pension sanction and payment tracking thereby simplifying the operations of the pension process. Till now 5000+ PPOs have been generated by the system.

The Hon'ble Chief Minister also categorically expressed his satisfaction in the functioning of the Jeevan Pramaan portal (jeevanpramaan.gov.in) which enables generation of digital life certificates without pensioners having to make physical visits to banks. Earlier, on August 9, 2021 the Hon'ble Chief Minister

after had dedicated the NIC-developed portal Kritagyata (under the Bhavishya Platform) (kritagyata.assam.gov.in) to the citizens of the State, and had announced that Pension Seva Kendra's would be established across 27 selected districts of Assam under project Kritagyata as a front-window to facilitate pensioners to avail the seamless services of Kritagyata.



Hon'ble CM with other dignitaries along with Senior level officers of State and NIC

The objective of the Kritagyata Portal is to ensure timely and accurate payment of pensions and all retirement dues to pensioners. Pensioners can access this online system and submit their data online and after processing by Departmental officials, the pensioners can also view & download their PPO online.

5. eRupantor / একপান্তৰ

Information Management & Reporting System for monitoring of development schemes and projects

A scheme monitoring system for the Transformation and Development, Government of Assam. MLAAD Scheme was rolled out in March 2019 and the Untied Fund & SUHRID Schemes were rolled out in October 2020. The eRupantor Application (erupantor.assam.gov.in) is running successfully across the State and in all the Districts.

Major Activities in Jan – Dec 2022:

- Two new Schemes Assam Darshan and Assam Adarsh Gram Yojna (AAGY) have been developed and made available in demo portal for testing purpose.
- Web Application has been security audited and made available on public domain.

Description	Jan - Dec 2022	Cumulative
State Sanction Records (all 3 schemes)	243	2394
MLAADS District Schemes	8047	22802
SUHRID Beneficiary Records	20759	68381
UNTIED FUND District Schemes	2759	3603

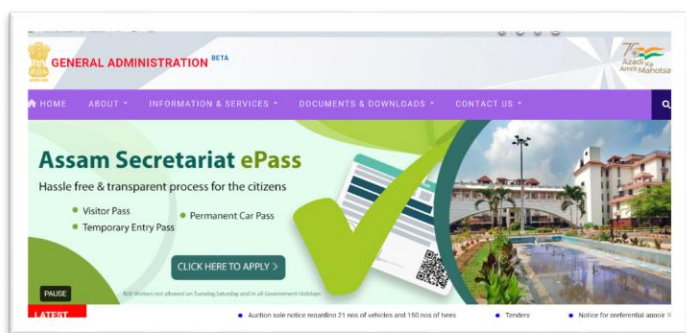
6. ePrastuti

Single, Unifying Standard Web Platform for websites of all Government Departments and Districts

ePrastuti is a Standardized Website Framework (SWF) to bring uniformity to the Government of Assam websites. There are 241 websites under ePrastuti - the Assam State Portal, 211 Department and Sub Department websites, and 29 District websites.

Migration of websites to Version 2.0 is going on in a phased manner without affecting the existing version of the websites. The migration to a newer version will ensure that the websites are upgraded to the latest technology for better security and optimized performance while creating a seamless user experience for the

citizens. The Standardized Website Framework (SWF 2.0) is a robust, secured and scalable platform developed in compliance with the - Guidelines for Indian Government websites(GIGW) and W3C Web Content Accessibility Guidelines (WCAG) 2.0.



Homepage of the newly designed Department websites (Version 2)



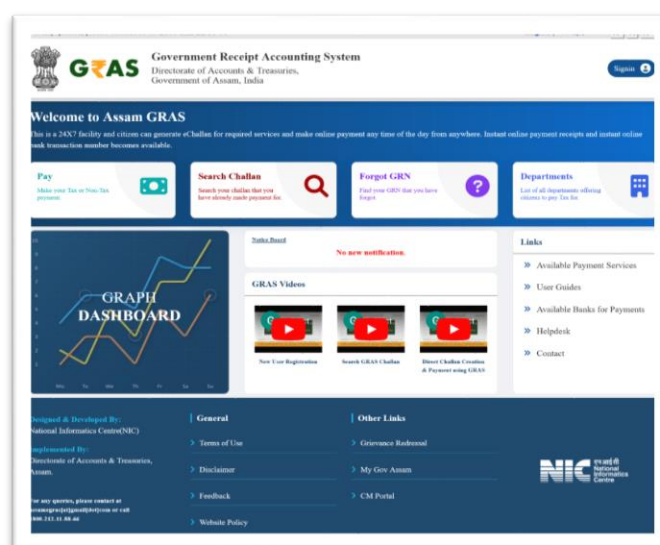
Homepage of the newly designed District websites (Version 2)

Till December 2022, 24 district websites were migrated to Version 2.0. The website of the nodal department of ePrastuti - General Administration Department has also been migrated to the newer version. As a part of the capacity-building initiative, 28 training sessions were organized for Master Trainers and Content Managers of Departments and Districts

7. eGRAS (Government Receipt Accounting System)

Government Receipt Accounting System is a software solution of NIC that has been implemented by the Finance Department of the Government of Assam to streamline its revenue collections. GRAS facilitates both Tax and non-Tax revenue collections of the Government and the payments are received into the Government's pooling account in the participating banks and transferred to RBI/Government account on T+1 basis. Besides receiving payment, GRAS also facilitates automation and streamlining of the Accounting needs of Government.

- More than 300 Services have been on-boarded on eGRAS.
- Twelve Department Portals have been integrated with eGRAS and 49 Departments have been directly on-boarded on eGRAS.
- eDaakhil, Registration of Firms and Societies, Basundhara, Revenue NOC Portal and, NGDRS portals have been integrated during the year 2022.
- eChallans generated during the year 2022: 3,87,3634
- Amount collected and settled during the year 2022: Rs. 14,689 crores



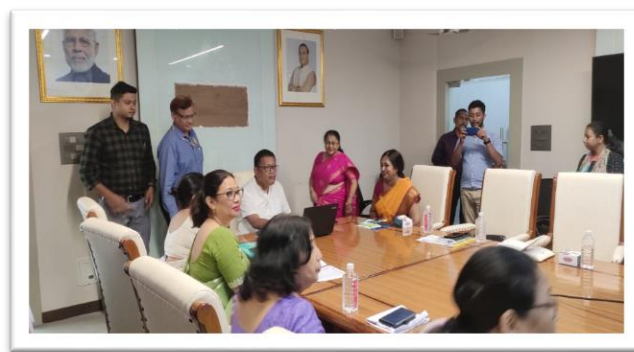
Homepage of the eGRAS Portal

8. Teachers Award Portal and App

Dr Ranoj Pegu, Hon'ble Minister, Education Department, Government of Assam launched the Mobile App “শিক্ষকবঁটা” (Xikhyak Bota) developed by NIC Assam for the Education Department, Government of Assam on August 18, 2022 at his office conference hall.

The **Government of Assam** confers **State Awards** to the **Teachers of Secondary and Elementary Education Department every year on the 5th of September** to celebrate the unique contribution of some of the finest teachers in the State and to honour those teachers who, through their commitment, have not only improved the quality of school education, but also enriched the lives of their students.

Dr Bijoya Choudhury, IAS, Secretary, Elementary Education Department welcomed the Hon'ble Minister, Education Department and all officers present in the meeting. Dr Suchitra Pyarelal, State Informatics Officer & Deputy Director General, NIC Assam State Centre gave a brief overview of the State Award Portal and the Mobile App. Dr Ranoj Pegu, Hon'ble Minister, Education Department, Government of Assam, expressed his happiness over the making a transparent application and evaluation system in digital form for selection of teachers for the State Award.



Inauguration Event of the Teachers Award App

In the year (2022), NIC Assam has provided an end-to-end role-based digital solution for conferring State Awards by developing and implementing a web portal (shikshak.assam.gov.in) to ease the whole process starting from the teachers filing their applications, followed by evaluation and declaration of the Awards.

The Minister as well as all senior-level officers of the Education Department, Government of Assam lauded the initiatives taken by NIC Assam. It is planned to incorporate more facilities in the App and the portal.

9. State Public Procurement Portal

Hon'ble Chief Minister of Assam, Dr. Himanta Biswa Sarma, launched the State Public Procurement Portal (SPPP) of Assam on August 22, 2022. The event was attended by senior World Bank officials, senior Assam Government officials, NIC Assam officials and NIC Chennai officials over Video Conferencing.

The SPP Portal aggregates all the following Tenders:

1. Online Tenders published on <https://assamtenders.gov.in> (GePNIC Application), through automated web-service APIs.
2. Online Tenders for Assam published on PMGSY (GePNIC Application), through automated web-service APIs.
3. Tenders for Assam published on GeM, through automated web-service APIs.
4. Manual Tenders below the threshold value of 25 Lakhs, which will be ePublished on the SPPP by the procuring entities.



Presentation by Dr. Suchitra Pyarelal, DDG & SIO NIC Assam and Discussion on the features of the SPPP

A Grievance module has been provided through which citizens may lodge grievances and receive resolution. Citizens can also provide feedback through the Feedback module. The Portal is fully secure and incorporates all required security measures.

The SPP Portal was developed by NIC Chennai and supported by NIC Delhi and NIC Assam. The Hon'ble Chief Minister Assam appreciated the efforts of NIC and expressed satisfaction that the SPPP will ensure complete transparency in the public procurement process.

10. Ease of Doing Business

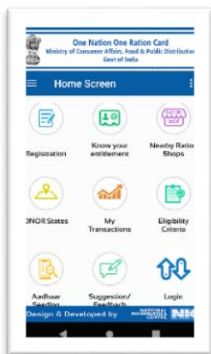
Ease of Doing Business (EODB) in Assam is a Single Window Clearance System, which has been developed as a consequence of 'Assam Ease of doing Business Act 2016.' EODB Portal (eodb.assam.gov.in) provides a single window facilitation mechanism for investors and acts as a single authoritative source of information for investors on Government policies, incentive schemes and the availability of infrastructure.

The significant modules in the system are KYA (Know your Approval), Grievance system, Feedback and query management system, MIS dashboard, and CIS (Central Inspection System). As of December 2022, 69833 new Common Application Forms (CAFs) have been registered on the portal for a total of 150552 services. Out of which, 67882 CAFs have been approved and 126828 licenses have been issued. EODB Assam portal was ranked in Aspirers category as per DPIIT ranking.

11. Public Distribution System (PDS) & One Nation One Ration Card (ONORC)

Assam has become the 36th State/UT to implement One Nation One Ration Card (ONORC). Under the ONORC plan is the 'MERA RATION' mobile application which has been rolled out to take maximum advantage of the ONORC plan. The mobile app is providing a host of useful real time information to the beneficiaries and is available in 13 languages. So far, the App has been downloaded more than 20 Lakh times from Google play store.

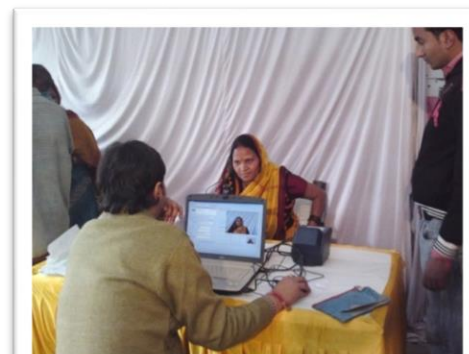
The Public Distribution System (PDS) in the country facilitates the supply of food grains and distribution of essential commodities to a large number of people through a network of Fair Price Shops on a recurring basis. The vision of the project is to ensure Food Security for citizens of the country. In Assam, all the applications developed by the central PDS team of NIC have been successfully rolled out.



ONORC Mobile App



Delivery of food grains through Fair Price Shops



Online Ration Card Registration

Major Activities in Jan – Dec 2022:

- ONORC - One Nation One Ration Card rolled out in all the districts.
- Fair Price Shop Automation: 33,418 ePOS machines distributed to Fair Price Shops in all the districts.
- 97% of Fair Price Shops are transacting through ePOS machines. Sales transactions of Fair Price Shops are reflected in the AePDS Portal and on Annavitran Portal.
- Online allocation of food grains for all the districts of Assam is going on smoothly in FEAST (Food and Essential Commodities Assurance and Security Target) application.
- As on 31st December 2022, there are 56,29,729 numbers of Ration Cards covering a population of 2,01,35,530. The State has 36,611 Fair Price Shops and 863 Wholesalers.
- 2,57,385 Ration cards and 49,80,251 beneficiaries are removed from the RCMS Portal during the year.
- Mobile numbers and Bank account details seeding of Ration Cards are going on and 97.7% of Mobile and 86.8% of Bank account details have been seeded till 31st December 2022.
- 98.67% of Ration Cards and 93.85% of beneficiaries are Aadhaar seeded till 31st December 2022.

12. GePNIC - Govt eProcurement Portal of NIC

eProcurement Portal (assamtenders.gov.in) aims at making government procurement simplified, transparent and result oriented. In Assam, GePNIC (Government eProcurement Portal of NIC) was rolled out in November, 2014. The end-to-end Government e-Procurement solution from NIC, GePNIC, enables online publishing of tender documents, corrigendum, downloading of tender documents free of cost, submission of online bids and award of contracts.

1. Trainings have been organized at the Assam Administrative Staff College and All India Institute of Medical Science, Guwahati during the year.
2. 5,624 tenders worth Rs 24,537 Crores have been processed during the year 2022.



Homepage of the eProcurement Portal

13. CM-TRANS

CM-TRANS (Chief Minister's Transport Randomized Allocation Networked System) was launched by the Chief Minister of Assam on May 13, 2022. Conceptualized by the Chief Minister of Assam, CMTRANS is a revolutionary online work allocation system which has ushered in uniform work distribution among the transport offices, improved efficiency, speeded up services delivery and eliminated middlemen intervention and corrupt practices.



NIC Assam implements Assam CMs brainchild - CM-TRANS, launched on May 13, 2022

14. Transport Services

42 out of a total of 45 Transport services have been made contactless for the Assam Transport Department in the year 2022. Many of these have been launched by the Assam Chief Minister himself in February and May of 2022. Assam leads the entire Country in implementation of Aadhaar-authenticated Contactless Services.

Some radical changes have been made in the Assam Transport Computerization Project as per new guidelines of MoRTH. These included the facility to enable dealerships to complete the registration of fully-built vehicles, both private and commercial, in the dealership itself without the intervention of District Transport Officers; facility to register a vehicle in any district from any other district of Assam; and switchover from smart cards to plastic cards for both Driving Licenses and Registration Cards, etc.

The Electronic Detailed Accident Report (eDAR) Application has been fully implemented in Assam. The online application for Real Estate Regularity Authority was launched in February 2022.

A two-day eastern regional workshop eTrans'22 in Guwahati held in October 2022. Fourteen states participated in the workshop, The Workshop was inaugurated by the Hon'ble Minister of Transport Shri Parimal Suklabadhya. More than 150 delegates from MoRTH, State Transport Departments, NIC State Centres and NIC Delhi, Hyderabad and Bangalore attended the Workshop. New technology innovations, inputs from the state transport departments and planned new services implementation were discussed and considered in the Workshop which was considered to be a huge success.

There has been a paradigm shift in the way the full range of services in the Transport Sector are made available to the citizen. the Assam State Government had brought out an advertisement in all national newspapers on July 02, 2022 announcing its success in achieving a total transformation of transport services in the state.

15. Digital ITI

Development of a comprehensive online application dubbed Digital ITI for digitalization of all processes associated with the Industrial Training Institutes (ITIs) of Assam and also related to their administration and management.

Two modules for Affiliation and Physical Verification of Assets were taken up for implementation during 2022.

16. Mission Basundhara 2.0

Assam Chief Minister Dr Himanta Biswa Sarma on November 14th, 2022 launched the Mission Basundhara 2.0, National Generic Documents Registration System (NGDRS), e-Khazana and Composite Land Transfer (Automutation) in an official ceremony held at Shrimanta Sankardev Kalakshetra Auditorium in Guwahati.



Ceremonial Launch of Mission Basundhara 2.0

"Mission Basundhara" has been developed to make land revenue services more efficient and accessible to citizens.

The implementation of the mission shall enable achieving the goal of 100% Digitization of Maps and total Integration of Maps, Land Records and Registration for the State under DILRMP. The citizens shall have access to real time land records.

The National Generic Document Registration System (NGDRS) is a common, generic application product of Dept of Land resources, GoI developed by NIC, Pune for registration departments across the country. NGDRS was launched in two districts, Kamrup and Darrang of Assam on pilot basis.



Launch of Mission Basundhara 2.0



Launch of NGDRS

The team of NIC Pune of NGDRS was led by Sh.Ajay Joshi, HoD & STD worked closely and greatly contributed to the launch of NGDRS in the two districts.

Composite Land Transfer (Auto mutation) is an integration of No Objection Certificate for transfer of Immovable Property, Registration and Mutation. Initially launched in Kamrup and Kamrup Metro, the service has been opened to all districts of Assam.

e-Khazana promotes the online payment of land revenue for multiple properties using single payment window. The citizen services are integrated with citizen service delivery portal, Assam Right to Public Services.

17. State Civilian Award

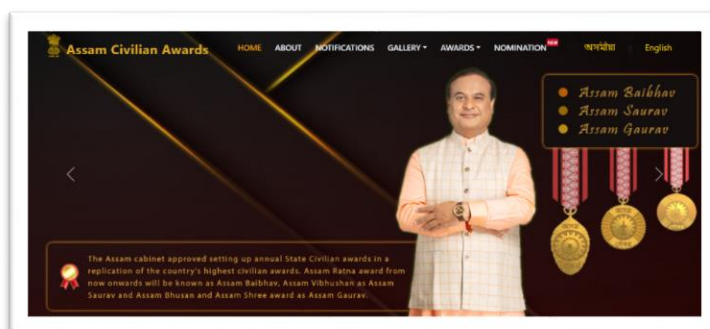
In the interest of public service and in order to recognize the exceptional service/ performance of the highest order in any field of human endeavour, the Government of Assam will confer the Assam Civilian Awards on the similar patterns of Bharat Ratna and Padma Awards, the highest Civilian Awards of the Government of India.

1. Assam Baibhav
2. Assam Saurav
3. Assam Gaurav

The portal (assamcivilianawards.assam.gov.in) was made open for the citizens to file their nomination's in the month of October, 2022.

The key features of the portal are:

- **Nomination:** The nomination process is online and open to the public. Even self-nomination can be made.
- **Records:** All information including photos and videos of last year's awardees will be available in the portal.
- **Notifications:** All latest updates and notifications will be made available through the portal



Homepage of the State Civilian Awards Portal

18. eCounselling

e-Counselling (itiassam.admissions.nic.in) is a one stop solution provides end-to-end technical support and services towards a hassle-free transparent admission processes in the Technical and Academic Institutions across the country.

Online Counselling for admissions to the 44 Government ITIs and 84 Private ITIs has been successfully completed for 2022-23 academic sessions as in the past years from 2017 onwards. 37,220 candidates registered in the system, and 10,033 candidates got admitted to the ITIs through the online system integrated with online payment and SMS alerts. The online system was used for the first time this year for the Spot Admissions also.

Statistics for the year 2022	
Total Registered	37220
Eligible for counselling	27874
Total admitted Candidates	10033
Government Institute	44
Private Institute	84
Total Seat	16905

19. Jaltarangini

Flood is a major natural hazard in Assam. The monitoring of river water level using manual gauge is very expensive and not very effective. Further, it does not give timely alerts and a 24x7 reporting feature.



The new model deployed at the bank of river Brahmaputra in Dibrugarh district in May 2022

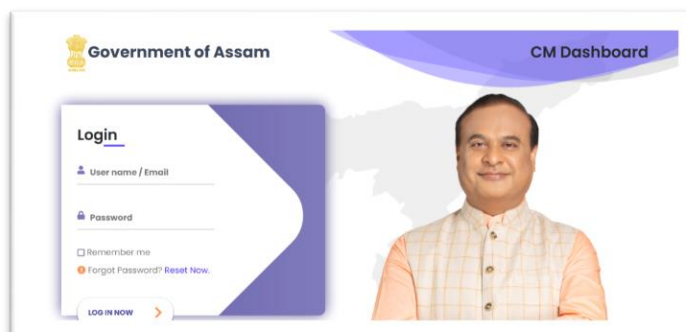
"Jal Tarangini" is an IoT based platform developed with the objective of automating the conventional river gauge into an Internet of Things (IoT) technology-based river water level monitoring system. It offers a seamless, accurate, and real-time river water level reporting 24 x 7. The platform includes the IoT device, web and mobile application for improved data visualization and analysis. It offers a low-cost, reliable, energy-efficient, and portable system that can collect data continuously from remote locations and offer cloud-based infrastructure for processing, analysis, and display of data sent by the IoT device. The model is scalable, inexpensive, and consumes minimum energy. This IoT device is developed by two District Officers of Assam, i.e. Sh. Mansoor Akhtar Borbhuiya, DIO, Hailakandi and Sh. Surajit Phukan, ADIO, Dibrugarh.

The model was first tested in Chirang District for monitoring the water level of Aei river. Based on the experience gained during the testing a refined model has been developed with financial support from the Assam State Disaster Management Authority (ASDMA). The new model was deployed at the bank of river Brahmaputra in Dibrugarh district in May 2022 for the PoC.

The ASDMA is now in the process of replicating this model in various river locations of the state based on the outcome of the PoC with the support of NIC.

20. CM Dashboard

An API-dashboard for 24x7 monitoring of all projects/ schemes of the Government of Assam by Hon'ble Chief Minister. The dashboard facilitates Statistical and Graphical Report Generation including data about Least and Best Performing Districts are available for data-driven decision making. Currently, 60 Project/Schemes are included and many more are in the pipeline. District Monitoring module also has been incorporated in the dashboard.



Login Page of the Assam CM Dashboard

Development of a comprehensive personalized dashboard for the Chief Minister of Assam. The dashboard fetches data dynamically through APIs from the respective parent portals of the schemes and projects and reflects it in the form of Key Performance Indicators for the Chief Minister. Extensive width and depth of data is maintained where possible to drill across all components of a project/scheme and down to villages, households and beneficiaries. 60 Projects and Schemes have been on boarded in the Dashboard till now.

21. Jeevan Praman

Jeevan Pramaan (jeevanpramaan.gov.in) is a biometric enabled digital service for pensioners. Pensioners of Central Government, State Government or any other Government organization can take benefit of this facility.

DLCs generated since inception	4.58 Crore+
DLCs successfully processed since inception	3.58 Crore+
DLCs generated in 2022	1,57,943
DLCs successfully processed in 2022	59,589

22. ICT for Election

NIC Assam has been at the forefront of managing all ICT-related activities of election management for the State Government since the early Nineties. In the 2021 Assembly Elections also, NIC Assam led the initiative.

In 2022, the development of an Electoral Rolls Management System (ERMS) was taken up for the upcoming Panchayat Elections in Assam in the last quarter of 2023. Besides its comprehensive solution eNirvachan, Assam was the second state in the Country to have implemented the Force Deployment Software and Eletraces for randomized deployment of security forces and tracking of EVMs respectively.

23. Online Building Permission System (OBPS)

Online Building Permission System (OBPS) was initially launched as a pilot implementation OBPS was rolled out in Nagaon since 13th July 2020. In the Phase II, OBPS is being implemented in 30 ULBs. Payment

Gateway integration through eGRAS has been completed for 30 ULBs and NIC SMS gateway integration with TRAI compliances has been completed.

A number of training programmes have been conducted through Video Conferencing due to COVID. Most of the 27 nos. of districts attended the training programmes. MIS Dashboards and various other relevant reports needs to developed for monitoring of the whole process by the department and the concerned Municipal Boards. The integration Auto Scrutiny of Building Plan i.e. Auto DCR (Auto Development Control Rules) or e-DCR will increase the process more user friendly.

24. eHospital

The e-Hospital application is a one-stop solution which helps in connecting the patients, hospitals, other healthcare service providers and doctors on a single digital platform. It is a Cloud enabled and Web-based Health Level Seven International (HL7) compliant application available through Software as a Service(SaaS) model for managing healthcare service delivery in government hospitals across the country. In Assam, eHospital is implemented in 23 districts and one Urban Hospital. Implementation in 14 more Hospitals covering 12 Districts has been targeted for Go-Live in January, 2023.

Lokapriya Gopinath Bordoloi Regional Institute of Mental Health(LGBRIMH), Tezpur and Silchar Medical College & Hospital(SMCH), Silchar have already been using eHospital. Assam Medical College & Hospital(AMCH), Dibrugarh and IIT, Guwahati have already on-boarded in NextGen eHospital and preparing for Go-Live in January, 2023.

25. Integrated Land Revenue Management System (ILRMS)

Assam is the one of the first state to have taken a major stride towards e-governance of an Integrated Land Records Management System (revenueassam.nic.in/ILRMS) covering the entire G2G processes in order to bring a transparency, efficiency and accountability to the system. This could be achieved with dedicated team effort from ILRMS team, NIC, with active co-ordination from Revenue and Disaster Management Department, Govt. of Assam and co-operation from Revenue officials of the State. At present 25 districts have been online since implementation of ILRMS in 15/02/2017 for seamless data sharing among all the four components of ILRMS-

Dharitree – Digital transformation in online updating of Land Records and streamline of ROR data ensured citizen to avail the benefits of online jamabandi through online mutation, partition, conversion and reclassification of land.

No Objection Certificate for transfer of Immovable Property (NOC) – An important citizen delivery service provided by the Deputy Commissioner of Districts for sale of land, land as gifts, lease, mortgage and Reclassification of land for more than 1 Bigha. Composite Land Transfer Service, extended to all the Districts of Assam under Mission Basundhara 2.0 is a one online application for NOC, Deed Registration and Auto Mutation. This ensures citizen gets benefit of auto mutation once NOC is issued and registration completed.

e-Panjeeyan/NGDRS – A fully automated workflow process, integrated with Dharitree and NOC for registration of property is used in the Registry Offices throughout the state of Assam. Auto calculation of fees, eStamping and scanning of documents and biometric inputs reduces waiting time for deed registration.

The National Generic Document Registration System (NGDRS), a common generic application across the country is launched on 14th November 2022 as a pilot implementation in Kamrup and Darrang district.

Bhunaksha – Online cadastral mapping software of NIC is integrated with Dharitree for partitions, trace map service, publishing of village maps and successful generation of ULPINs for 400+ villages across the districts of Assam. Assam's Bhunaksha has been sharing layers of village maps with external institute like BISAG-N for PM-Gati Shakti project through APIs.

Blockchain - To ensure authenticity, immutable and tamper-proof ROR data block chain, a key player in digital transformation will be implemented in Land Records data, Registration of sale deed for land and GIS Spatial Mapping. Twenty processes of Dharitree are integrated with property chain platform under Centre of Excellence for Blockchain, Bangalore. Likewise, deed details after registration have also been integrated with the property chain. Spatial co-ordinates data of a plot in GeoJSON format from Bhunaksha is stored in property chain. Transactions performed in a land parcel can be viewed from property chain in Dharitree processes. PoC on Blockchain is planned in Bonmaza village in Kamrup district of Assam.

26. Interoperable Criminal Justice System (ICJS)

Interoperable Criminal Justice System (ICJS) aims to integrate CCTNS (Crime and Criminal Tracking Network and System) project with eCourts and ePrisons database in the first instance and with other pillars of judiciary like forensic labs, prosecution, juvenile homes, etc.

- Court cases entry from January 2022 to December, 2022: 276430
- Prisoner records entry from January, 2022 to December, 2022: 15939
- Prosecution cases records entry from January 2022 to December, 2022: 584
- Forensic cases records entry from January 2022 to December, 2022: 7850

27. Rurbansoft

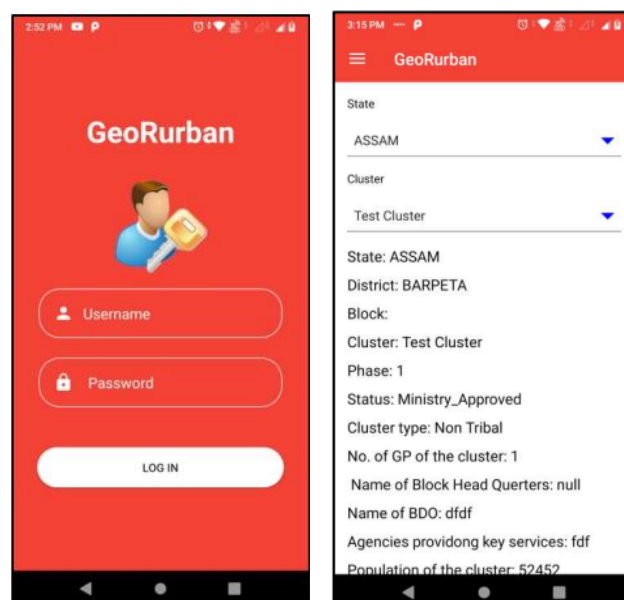
National level software for Shyama Prasad Mukherji Rurban Mission (SPMRM). Rurban is a Ministry of Rural Development, GOI Scheme. The MIS for the Scheme is developed in NIC Assam. The MIS includes Cluster formation, Preparation of CAP, DPR, Work Entry etc.

Rurbansoft is integrated with PFMS to make payment to vendors. Unique features like ranking among the clusters/ states to get the competitiveness among states, fund pooling to avoid parking of funds are available in the MIS.

The MIS is accompanied by mobile app "GeoRurban" to monitor physical progress of the scheme by geo-tagging the assets.

At present used in 34 states. Widely used for monitoring physical and financial aspects of the

mission. MORD uses it to regularly to monitor the progress of the schemes.



28. Niyukti

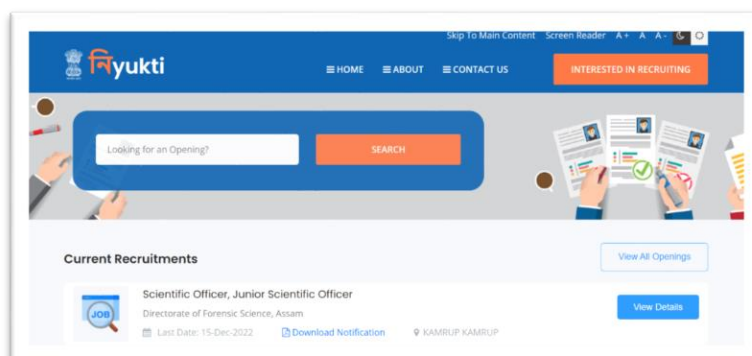
Niyukti offers the recruitment solution as a service. A recruiting agency can come on-board as a recruiter in the Niyukti portal and can immediately initiate their recruitment process with minimum amount of application level configurations.

Statistics as on December, 2022

Total recruitments - 82 +

Total vacancies covered – 900+

Total applications received – 254000+



Homepage of the Niyukti Portal

II. NIC Regional Centre of Excellence for Application Security (RCoEAS)

NIC Regional Centre of Excellence for Application Security (RCoEAS), Guwahati was established in February, 2018 to primarily cater to the application security audit and penetration testing requirements for web and mobile applications developed and hosted through NIC for eight states comprising of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura. From the time of its inception, RCoEAS, Guwahati has been able to successfully fulfil the application security audit and penetration testing requirements of the region. Apart from the primary activities, the Centre also conducts training (online and offline) on application security for both mobile and web applications, development of audit tools, research activities, etc. At present the Centre is manned by five technical staff.

The summary of major activities from January to December, 2022 are as follows:

1. Application Security Audit and Penetration Testing

Number of Dynamic Websites Audited and Cleared for Hosting	43
Number of Static Websites Reviewed and Cleared for Hosting	65
Number of Third Party Audited Websites Reviewed and Cleared for Hosting	20
Number of Penetration Testing Tickets Issued	315
Number of Security Scanning of Hosting Infrastructure of Web Applications	884

2. Training / Lectures / Presentations Conducted

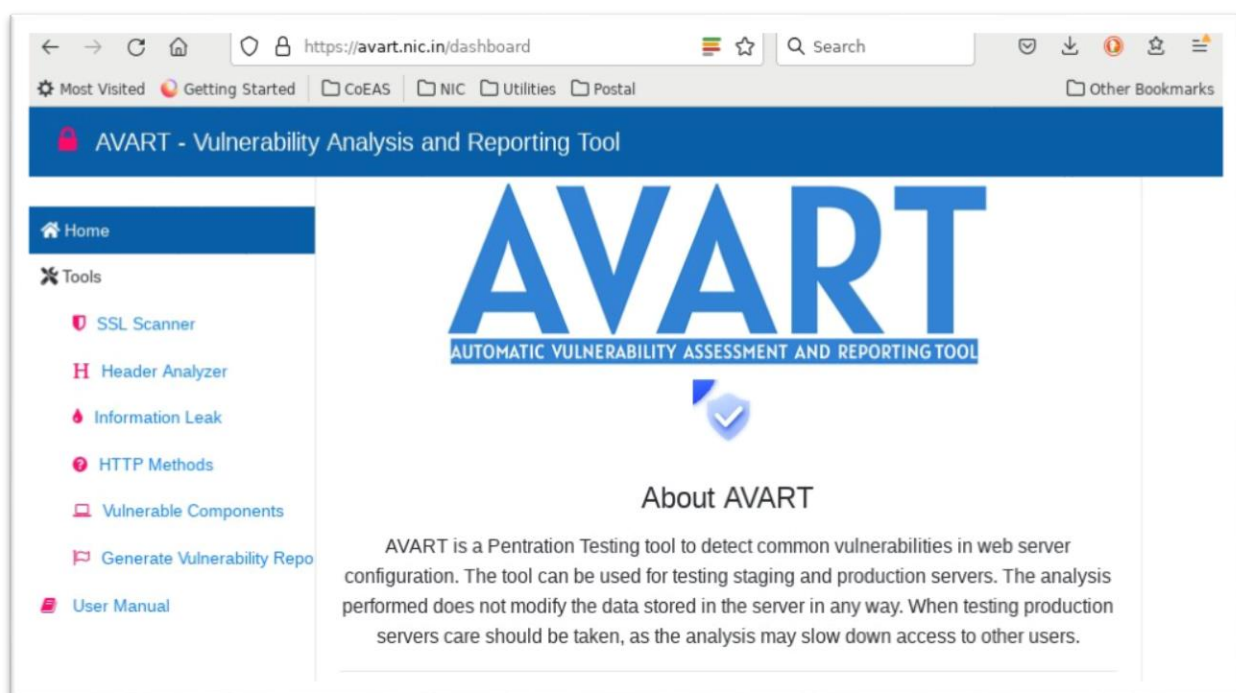
- Lecture on Detection and Mitigation of Application Layer DoS attacks against Web Applications.
- Lecture on Importance of Data Science and Statistics for Extension Functionaries at the Extension Education Institute (NE Region) Govt. of India, Ministry of Agriculture & Farmers' Welfare.
- Lectures conducted during Cyber Security Awareness Month presented.

- Presentation and demonstration on AVART, a web based tool for detection of common vulnerabilities in web applications.

3. Research Papers / Reports / Manuals / Guidelines / Best Practice Released

- Research paper on *Defending against SQL Injection Attacks in Web Applications using Machine Learning and Natural Language Processing* published in IEEE Explore dated 1/2/2022.
- Research paper on *PHP web shell detection through static analysis of AST using LSTM based deep learning* presented at *International Conference on Artificial Intelligence Trends and Pattern Recognition (ICAITPR) - 2022* held from 10th to 12th March 2022 at Hyderabad.
- Research paper on *A Hybrid approach combining block lists, machine learning and deep learning for detection of malicious URLs* presented at *INDISCON 2022*, organized by IEEE Bhubaneswar Subsection, Odisha held from 15th to 17th July, 2022 at Bhubaneswar.
- *Guideline on using Collections in Postman for API Sharing with Auditors* compiled by RCoEAS, Guwahati.
- Security Advisory released on *HTTP Slow DoS Attack*.
- Log Analysis Report of an important State Government website after security breach by external players.

4. AVART - Automatic Vulnerability Analysis and Reporting Tool



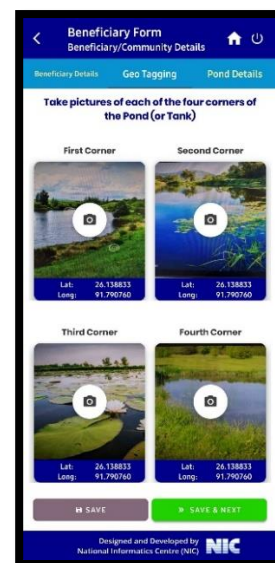
AVART – Automatic Vulnerability Analysis and Reporting Tool

III. Mobile Apps

1. Matsya Baibhav App

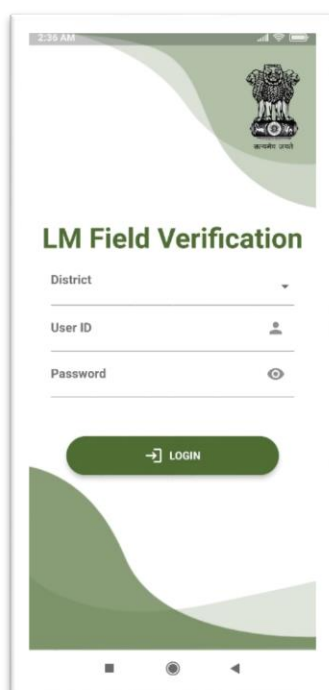
Matsya Baibhav has been developed by NIC, Assam State Centre for Department of Fisheries, Assam to geo-tag the assets created under GGPGGM in the first Phase with the following objectives:

- To build a common platform for monitoring of the schemes in the Web portal.
- To build a system that can provide up-to-date status of the GGPGGM scheme to the management
- To get the summary status of the scheme through the dashboard and graphical representation of consolidated data and detailed status through various reports
- To view the presence of ponds/ tanks in the map with detailed parameters
- To build a system where dashboard and reports are accessible to public.



2. LM field verification app

The LM field verification app is an Android based mobile app to be used by the Lot Mondals (LM) to capture geotagged images of the land plot while doing the field visit against the Settlement cases under Mission Basundhara 2.0 services. The app uses the geolocation and camera feature of the device to capture geotagged image of the visited land plot. After capturing the geotagged image, it is uploaded to the server.



3. Village Disaster Management Plan(VDMP) app

VDMP is a survey project which uses a mobile application and a dashboard in order to establish a system to collect detailed data from individual households and public properties of vulnerable villages within the state, which can help in making effective decisions for Disaster Risk Reduction.

It has 2 parts:

1. Vulnerable Population Assessment (VPA): In VPA, manual data of each Household using VPA Form is collected through the mobile application.
2. Village Disaster Management Plan (VDMP): VDMP Form is filled for finalizing Mitigation Plan & Resource for the Village based on manual data analysis in collaboration with Village Head and VLC&DMC (Village Land Conservation and Disaster Management Committee) Members.

The screenshots illustrate the ASDMA app interface, showing the login screen, the dashboard with various statistics, and the current survey screen with filters and a list of survey results.

ID	HH No	Date	Time	Status
3	H3V15536	Thu May 05	16:20:11 GMT+05:30 2022	Locked
2	H2V15536	Wed May 04	15:45:29 GMT+05:30 2022	Locked
1	H1V15536	Wed May 04	15:35:12 GMT+05:30	Locked

IV. Major Activities undertaken during the period from January – December 2022 (District wise)

1. Bongaigaon

Training on eOffice was provided to the Officers/Staff of the Deputy Commissioner Office, Bongaigaon. Approximately 65 users trained on eOffice in 12 Rounds.

Trainings were conducted for the stakeholders of iRAD (Integrated Road Accident Database). About 14 rounds of Training imparted to the following departments - Police Administration, Health Department (including Private Hospitals), Transport Department, Public Works Department(R), National Highways & Infrastructure Development Corporation Limited.

"GRAM SABHA" conducted in 15 Gaon Panchayat to create awareness amongst citizen in collaboration with District Administration and Zilla Parishad.



eOffice Training at the DC Office, Bongaigaon



Gram Sabha conducted for the Gaon Panchayats

Live Telecast for the Central Programme from Vigyan Bhawan, New Delhi was organised at the Bongaigaon District Library. The function at New Delhi was attended by Hon'ble Prime Minister of India, Sri Narendra Modi on the occasion of the 400th birth anniversary of Bir Lachit Barphukan. Deputy Commissioner, Bongaigaon along with other officials of different of Bongaigaon were present. Computerization of Land Record for the two newly created circles Manikpur and Dangtol completed and exported to Central Server to be used in BASUNDHARA 2.0 portal.

2. Hojai

The ARTPS (Assam Right To Public Service) services related technical guidance provided to the District Administration and applicants. For eOffice, activities like creation of Government eMail, preparation of PIMS template, trainings and technical consultancy etc. were undertaken. A total of 8 trainings were conducted for the officers and staff. Support for procurement of DSC and book scanners with standard specification were also provided. Under ePrastuti, Version 2.0 of the District website was also launched. Under ORUNODOI - a State Sponsored Project, field level training, consultancy and guidance was provided to District Administration to help eliminate ineligible/fake beneficiaries of the scheme. Under CM Dashboard, training, consultancy and guidance was provided to the concerned Data Entry Operator, Data Verifier and Data Approver of the District Administration. For IRAD, trainings were conducted for all stakeholders (SP Office, DTO, PWD(R), NHAI, Health, Private Hospitals).

3. Kokrajhar

In Bodoland Territorial Council(BTC) Secretariat, Kokrajhar a new 600-node Local Area Network (LAN) has been established with OFC backbone /CAT6 UTP with complete redundancy.

4. Karimganj

The NIC Karimganj District centre provided support to the District Administration in Conducting of the Municipal Election 2022. Migration of the District Administration website under SWF ePrastuti 1.0 to more advance SWF ePrastuti 2.0 was undertaken.



Ceremonial Launch of ePrastuti 2.0



iRAD Training Police Personnel

For e-Office, Support was provided to the District Administration for implementation of e-Office in the Deputy Commissioner's Office, Creation of Structured LAN for e-Office, covering all the Branches and Sections. Hand Holding Support and Training to District Administration Staff and Officers in e-Filing, Conversion of Physical Files to Electronics files and the use of DSC. For NICNET, commissioning of 10 MBPS NICNET line to Circle Offices was undertaken. Support was provided in the implementation of iRAD (integrated Road Accident database) Project in the District.

5. Dhemaji

Integrated Land Record Management System is running in all the four Nos. of Circle Offices and two Nos. of Sub Registrar offices. Training on Assam Right to Public Services has been provided to the user department and it is now running as front end for ILRMS.

The integrated road accident database project has been started in the district. Already District Roll Out Manager has been appointed and training provided to all the user departments.

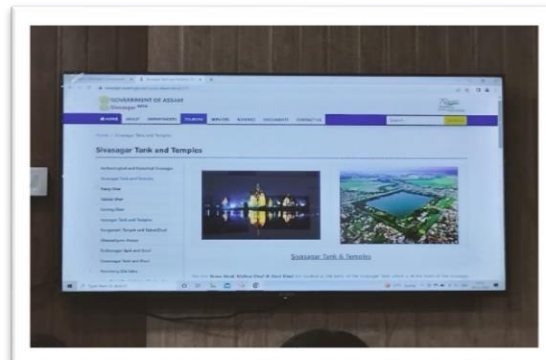
VAHAN & SARATHI are running smoothly in the district with full network support from NIC. The Integrated Disease Surveillance Project is running in the Joint Director Health Services office where now the data are updated in the Integrated Health Information Platform (IHIP).

Besides these projects NIC had played a major role in recently held Municipality Board election by appointing the Polling personnel and allotment of Electronic voting machines to the polling station through Randomisation software developed by NIC.

NIC also provides high speed net connectivity to the various Government Departments apart from D.C. office for smooth implementation of the various E Governance projects of the concerned departments.

6. Sivasagar

On December 10, 2022 Deputy Commissioner of Sivasagar Shri Aditya Vikram Yadav, IAS launched the official website of Sivasagar District in presence of Hon'ble MLA of Nazira LAC Shri Debabrata Saikia, Hon'ble MLA of Thowra LAC Shri Sushanta Borgohain, Hon'ble MLA of Sivasagar LAC Shri Akhil Gogoi. The website (sivasagar.assam.gov.in) has been developed by DIO, Sivasagar in e-Prastuti 2.0 framework under the guidance of Smti Anuradha Barua, Scientist-E, with the supervision of SIO, Assam.

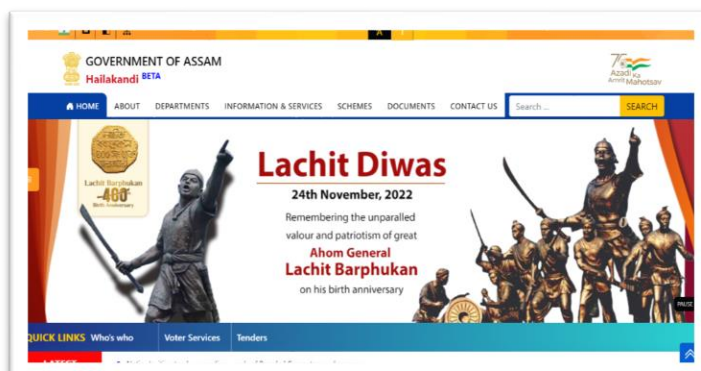


Ceremonial Launch of ePrastuti 2.0

The welcome speech was given by Deputy Commissioner, Sivasagar and after the launch, DIO Sivasagar explained the features of the new website, different menu items and different types of contents that the website is trying to showcase for the benefits of the public. In the inaugural meeting, Additional Deputy Commissioners, Sub-divisional Officer (Civil), Circle Officers, DFO, Heads of the Departments, Members of District SDLAC committee, DM (DITEC), District Consultant (ILRMS), FMS (NIC) and other officials were also present. The esteemed dignitaries present at the meeting appreciated the effort and congratulated the District Administration as well as NIC team for developing the website.

7. Hailakandi

On December 5, 2022, Shri Nisarg Hivare, IAS Deputy Commissioner and Dr. Suchitra Pyarelal, DDG & SIO NIC Assam, jointly launched the new district website (hailakandi.assam.gov.in) designed on the e-Prastuti SWF 2.0 platform. NIC along with the IT Department, Government of Assam has initiated a project called 'e-Prastuti - Standardization of Websites (SWF)'.



The goals of this project are to create a single, unified Standard Web Platform for all government departments' websites, establish criteria for service delivery, enforce standardisation, and foster greater citizen participation and collaboration.

V. Trainings, Workshops & Symposiums

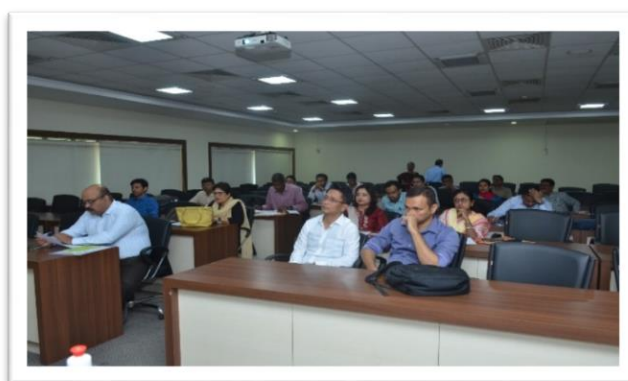
1. Symposium on Artificial intelligence (AI) & Internet of Things (IoT)

A one-day symposium on “**Artificial intelligence (AI) & Internet of Things (IoT)**” was held at the Assam Administrative Staff College(AASC), Government of Assam on 10th November, 2022. The event was held in collaboration with the Centre of E-Governance, AASC and National Informatics Centre (NIC), Assam. The Symposium was attended by the Officers of various Departments of Government of Assam.

During the inaugural session. Dr. Suchitra Pyarelal, Deputy Director General and State Informatics Officer, NIC Assam gave a brief overview of the latest technologies and trend in Artificial Intelligence (AI) and Internet of Things (IoT). She also highlighted some of the initiative taken by NIC Assam for various government department in recent times. She mentioned about the Jaltarangini project developed by NIC Assam that is being adopted & implemented by the Government of Assam for implementation.



Inaugural Session: Shri L.N. Thakur, Dy. Director AASC, Dr. Suchitra Pyarelal, DDG & SIO NIC Assam and Smt.Hiranmayee Goswami, STD & HoD, NIC Assam



Participants from various Departments, Govt. of Assam

2. Symposium on Digital Transformation in Governance

A one-day symposium on “**Digital Transformation in Governance**” was held at the Assam Administrative Staff College(AASC), Government of Assam on 24th August, 2022. The event was held in collaboration with the Centre of E-Governance, AASC and National Informatics Centre, Assam. The Symposium was attended by the Officers of various Departments of Government of Assam.



Group photo



Inaugural Session: Director AASC, SIO NIC, DDG & Head CoE Smt.Jayanti and Smt.Hiranmayee Goswami, STD & HoD, NIC Assam

During the inaugural session. Dr. Suchitra Pyarelal, Deputy Director General and State Informatics Officer, NIC Assam gave a brief overview of the initiatives taken by Government of Assam in digital transformation in government department in recent times. She mentioned some of the major projects such as eOffice, Kritagyata, RTPS etc. implemented by Government of Assam in association with NIC Assam across the state of Assam. Smt. S. Jayanthi, Deputy Director General & Head of Centre of Excellence for Block chain, NIC Karnataka gave an overview of Block chain technology and its use in different government sectors. A total of 44 participants took part in the one-day symposium.

3. Symposium on “Blockchain”

A one-day workshop on “Blockchain” was held at the Assam Administrative Staff College(AASC), Government of Assam on 23rd September, 2022. The event was held in collaboration with the Centre of E-Governance, AASC and National Informatics Centre, Assam.

Smt. Vijaylakshmi Barua, Director of Training, Assam Administrative Staff College welcomed Smt S. Jayanthi, Deputy Director General & Head of Centre of Excellence in Blockchain, NIC Karnataka and Shri Ramakrishna GS, Senior Technical Director, Centre of Excellence, NIC Karnataka and all the participants.



Inaugural Session: Director AASC, Smt. Jayanti, STD, DDG & Head CoE. Sh. Ramakrishna, STD, CoE and Course Director



Session on Blockchain by Smt. S. Jayanthi, DDG, NIC Karnataka

Participants included Government officers of Director of Land Records, Education and Agricultural departments, faculty and IT professionals of Gauhati University, Tezpur University, Dibrugarh University and Krishna Kanta Handiqui State Open University. A total of 46 participants attended the workshop.

VI. Accolades

1. Curtain Closure of Mission Basundhara

Hon'ble Chief Minister of Assam Dr Himanta Biswa Sarma attended the curtain closure ceremony of Mission Basundhara held at auditorium of Sankardev Kalakshetra, Guwahati to formally conclude the Mission Basundhara, a project developed by NIC Assam.



Mridu Pobon Rajkhowa, Scientist –C, NIC, Assam receiving the award of appreciation for uninterrupted support by NIC during Mission Basundhara



Hon'ble Chief Minister of Assam Dr. Himanta Bishwa Sharma with dignitaries on the dias

The ceremony was attended by Mr. Jogen Mohan, Minister of Revenue and Disaster Management and Mr. Jishnu Baruah, Chief Secretary, Dr. Suchitra Pyarelal, SIO Assam and officials from other stake holders. Mission Basundhara was launched by the Honorable Chief Minister on 2nd October 2021 to offer 10 Online Land Related services to citizen of the Assam along with survey of 766 Non-cadastral villages and Re-survey of 772 villages. The 10 online land related services are Mutation by right of inheritance, Mutation after deed registration, Partition for undisputed cases, Reclassification of agricultural land to non-agricultural land less than 1 bigha, Allotment certificate to periodic Patta, Conversion from annual patta to periodic patta, Striking out of name from patta, Mobile number updation, Name correction and Area correction. Approximately 8 Lacs applications were received by 7th December 2021 and on 8th May 2022 all the applications were disposed successfully.



Launch of Composite Land Transfer Service



Handing over the last RoR to Citizen

The NIC team of Integrated Land Record Management System (ILRMS) includes

- Mr. Tapan Gogoi (HOD, Scientist-F)
- Sabina M. Sheikh (Scientist -D)
- Farida Begum Saikia (Scientist-D)
- Rahul Deka (Scientist-C)
- Mridu Pobon Rajkhowa (Scientist-C)
- Mridul Suklabaidya (Scientist-B)

On the occasion all dignitaries thanked NIC for their uninterrupted support and hard work during the implementation of Mission Basundhara.

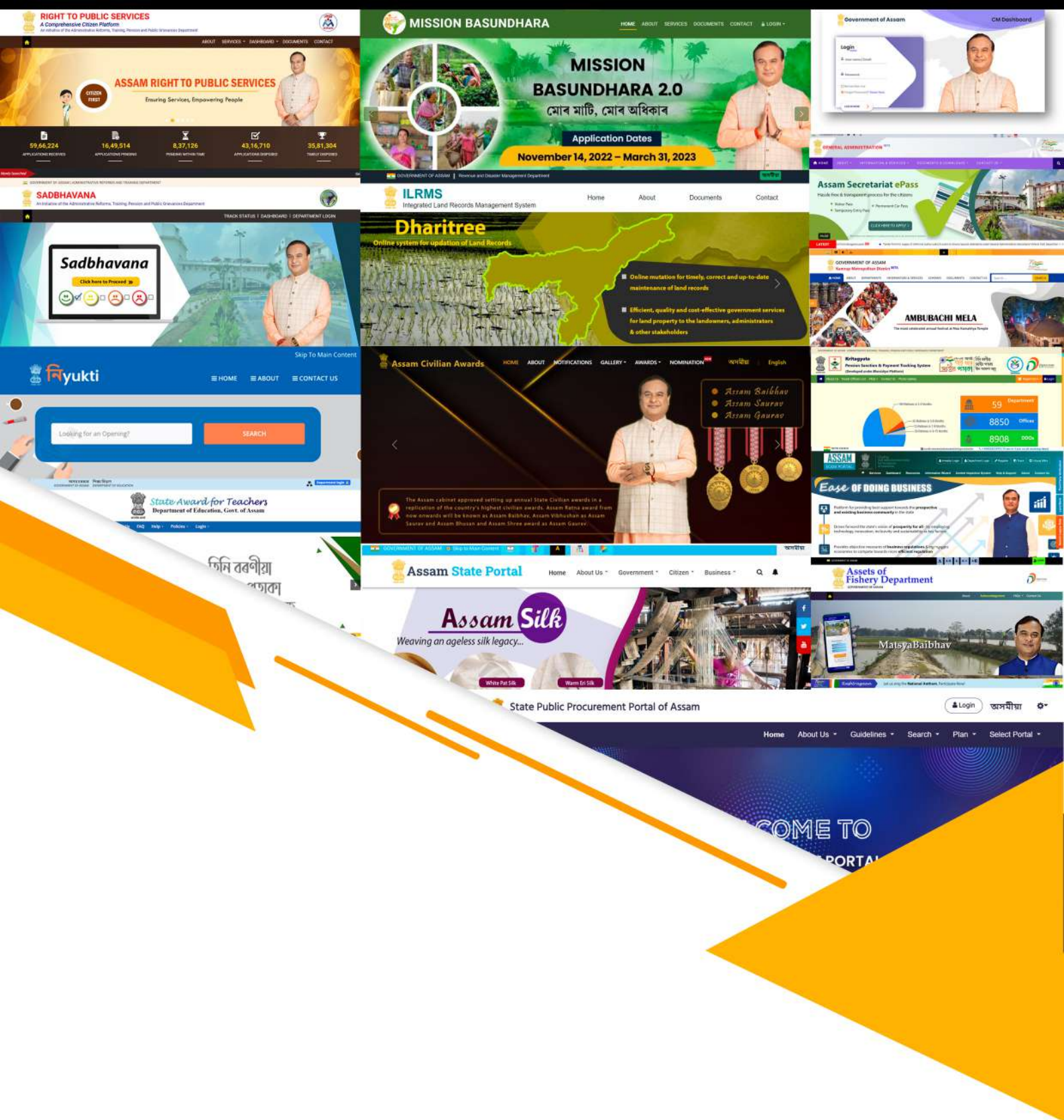
2. Kritagyata - 19th CSI SIG Award of Recognition

Kritagyata won the 19th CSI SIG Award of Recognition. The Award was given jointly by Justice of Allahabad High Court and Director MNNIT at the Auditorium of Motilal Nehru National Institute of Technology, Prayagraj City on 23 April 2022.



NIC Assam Team of Smt Kavita Barkakoty, Senior Technical Director and Shri Manabendra Goswami, Technical Director, receives the Award.

The NIC Assam team is led by the Project Head, Ms.Kavita Barkakoty, Senior Technical Director, and Project Lead, Shri Manabendra Goswami, Technical Director, under the leadership of DDG & SIO, Dr. Suchitra Pyarelal. Kritagyata Project is a collaborative effort of NIC Assam and NIC HQ and it has been customized with the support of NIC HQ Bhavishya team of Shri Deepak Shirahatti, Scientist-F & Project Head, and Shri Anil Bansal, Scientist E & Project Lead, under the leadership of Shri Pawan Kumar Joshi, DDG & HoG.



Paving the way for technology to make governance more effective for transforming the citizen lifecycle digitally...



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