

Hon'ble President of India visited AIIMS, Bhubaneswar and Ravenshaw University, Cuttack

The Hon'ble President of India, Smt Droupadi Murmu graced the fifth convocation ceremony of All India Institute of Medical Sciences (AIIMS) Bhubaneswar, on 14th July, 2025 marking a milestone for the graduates of the institution. The following morning, she graced the 13th Annual Convocation of Ravenshaw University in Cuttack and laid the foundation stone for the upgradation of Ravenshaw Girls' High School, emphasising educational advancement.

In the afternoon of 15th July, 2025 she visited Sharala Bhawan in Tulasipur, Cuttack, to pay tribute to Adikabi Sharala Das of Odisha's on his 600th birth anniversary. She presented the prestigious "Kalinga Ratna Award-2024" during a literary event organised by the Sharala Sahitya Sansad.

NIC and E & IT Department, Govt. of Odisha played a pivotal role by providing comprehensive ICT support for the events, including setting up the President's Secretariat at different locations for the Hon'ble President of India.



Senior BOI Officials visited ICP at BPIA Bhubaneswar ahead of formal takeover

On 25th July, 2025, Shri Anoop Krishna, IPS, Joint Director, Bureau of Immigration (BOI), New Delhi, and Shri Venkata Appalla Naidu, IPS, FRRO, Hyderabad, visited the Immigration Check Post (ICP) at Biju Patnaik International Airport (BPIA), Bhubaneswar. The visit was undertaken as part of the preparations for the formal takeover of ICPs by the BOI.

The officers inspected the newly assigned areas designated for critical infrastructure, including server rooms, UPS systems, network components, and the NIC office. Key officials present during the visit included Shri Siba Prasad Dash, Senior Director (IT) & State Coordinator (IVFRT); Shri Prasanna Pradhan, Airport Director; Mrs. Samapika Pattanaik, DSP & Chief Immigration Officer (ChIO); Mrs. Priyadarsini Nayak, DSP, Special Branch; along with representatives from Immigration, Airports Authority of India, and CISF.

The visiting officers assessed the readiness and adequacy of the infrastructure to support the BOI's operations and expressed their appreciation for the current functioning and administrative arrangements of the ICP.



State Coordinator reviewed the activities of NIC, Odisha

Shri Timothy Dkhar, Deputy Director General & State Coordinator of Odisha had his first interactions with all the officers of NIC, Odisha on 15th July, 2025 virtually after taking the responsibility as the State Coordinator of the State on 1st July, 2025.

Delivering welcome address SIO delivered an overview of the digital infrastructure, human resource strengths, key activities and achievements of NIC, Odisha. Following this, a presentation was given detailing the major projects deployed across various sectors and departments in Odisha as well as replicated in other states.

Focusing on AI, the State Coordinator emphasized the need to develop a comprehensive portfolio of AI driven services. He assured that he would personally visit Odisha to evaluate solutions that could be scaled and implemented in other states. Additionally, he urged the DIOs to strategize innovative solutions at the district level and mentioned that he would interact with them soon. He acknowledged the current AI and ML initiatives, which have shown great promise.



Summit on Reimagining HR in the Public Sectors in the Age of Digital Disruption

On 24th July, 2025, Elets Technomedia Pvt. Ltd. organised a summit on SAP HR Connect at Bhubaneswar. Joining the panel discussion Dr. Pabitrnanda Patnaik, Scientist-F & ASIO, NIC, Odisha delivered a talk on "HR Transformation in the Digital Age: Challenges and Opportunities for the Public Sectors".

He emphasized the importance of skilling and reskilling the workforce to adapt to the evolving technological landscape. He shared insights into the Tech Boot Camps being conducted by NIC to empower government personnel with the latest digital tools and practices. He also highlighted eOffice as a prime example of digital disruption transforming workplace culture and operational efficiency across public sector offices.

Other dignitaries who graced the occasion include Shri S. K. Priyadarsi, IPS, ADG, Smt. Poonam Guha Tapas Kumar, IAS, Commissioner-cum-Secretary, Handlooms, Textile & Handicrafts, Shri Kamal Lochan Mishra, IAS, Executive Director, Odisha State Disaster Management Authority (OSDMA), etc.





Capacity Building

Sensitization on e-Transport Services at Biju Patnaik Police Academy

As part of the Five-Day In-Service Training Course on Road Safety Management, organized at the Biju Patnaik State Police Academy, Bhubaneswar, sensitization on e-Transport Services was conducted for Police Officers in the rank of SI to Dy. SP and MVIs / Asst. MVIs.

Shri Prasanta Kumar Nayak, Scientist-F (Sr. Director-IT), addressing the session covered e-Challan, e-Vahan, e-Sarathi, ADTS, SLD, Green Sewa, iRAD, eDAR etc. He provided overview of the Cashless Treatment Scheme for Road Accident Victims, highlighting its key features and significance in ensuring timely medical assistance. The session included a discussion on the implementation and utility of Body Cams, emphasizing their role in accountability and evidence-based enforcement.



Sensitization on Fly Ash Management System (FAMS) for officers from Thermal Power Plants

An awareness program on FAMS was organized at the conference hall of the Odisha State Pollution Control Board (OSPCB) to engage and sensitize stakeholders from various Thermal Power Plants across the state. The session focused on the critical role of efficient fly ash utilization and how the FAMS portal facilitates streamlined compliance, monitoring, and reporting processes.

Shri Sambit Kumar Panda, Scientist-F (Sr. Director-IT), NIC, conducted a comprehensive demonstration on key functionalities of the portal, including real-time monitoring, automated notifications, and built-in data analytics aimed at improving operational transparency and efficiency.



Photo Story



One-day training program focused on capacity building in the e-Courts project was organized for System Assistants of High Court, Orissa at the Odisha Judicial Academy, Cuttack

Field Visits for Testing the "Smart Water Meter" Mobile Application

The "Smart Water Meter" mobile app, developed by NIC for the Department of Water Resources (DoWR), Odisha, was tested across industrial sites like IMFA, Tata Steel, Ultratech Cement, JSW, Rungta Mines and others under Athargarh, Jarka, and Dhenkanal subdivisions.

The app, designed to read both analog and digital flow meters using OCR and AI/ML technologies, showed promising results and performed well under real-world conditions. These visits helped improve its accuracy and reliability, moving a step closer to a more transparent and efficient water usage monitoring across the state.



Awareness program on the PM-POSHAN for different stakeholders

An online awareness program on the PM-POSHAN portal was recently organized which brought together key stakeholders, including District Education Officers, Block Education Officers, and Headmasters from various schools, fostering a collaborative platform for advancing digital transformation in school nutrition management.

Shri Bhabanishankar Mishra, OAS, State Nodal Officer emphasized the data-driven decision-making in ensuring the timely delivery and quality of meals to the students. Shri Sambit Ku. Panda, Scientist-F (Sr. Director- IT), NIC, showcased the integration of WhatsApp and mobile app technologies into the PM-POSHAN portal. This streamlines reporting processes, facilitate instant communication and equip school authorities with intuitive tools for daily updates.



Farewell



Our sincere tribute and honour to

- Smt. Sarita Sahoo, Scientist-F (Senior Director- IT)
- Shri Sudhansu Mohan Satpathy, Scientist-F (Senior Director- IT)
- Shri Prakash Kumar Mishra, Scientist-E (Director - IT)

on the eve of their attaining superannuation
for the years of dedicated & exemplary service at NIC, Odisha.

Implementation of eOffice in Gajapati District: A Strategic Move Towards Digital Governance

In Gajapati District, after a detailed deliberations on various aspects of network connectivity, bandwidth availability, capacity building of available manpower, ICT coordination etc. Shri Bijay Kumar Dash, IAS, Collector & District Magistrate, and Shri Rajendra Minz, OAS (S), ADM jointly decided to proceed with the implementation of eOffice. Accordingly a comprehensive action plan was initiated under the leadership of Shri Tuta Balakrishna Murty, Scientist - F & DIO Gajapati, Odisha.

Training & Capacity Building

A two-phase training program was organized:

- 1. Master Trainers' Online Training:** Conducted on 13th March 2025 via NIC Video Conferencing, chaired by the ADM, with participation from Deputy Collectors and designated trainers from the Collectorate and ITDA, Paralakhemundi.
- 2. Classroom Training for all Staff:** Held from 25th to 28th March 2025 at Conference Hall No. 4, Collectorate, Gajapati.
 - Resource persons Ms. Kabita Rani Raut and Mr. Deepak Kumar Mallick from CMGI, Bhubaneswar conducted practical and hands-on sessions.
 - By the end of the training, almost all staff were confident to use the new system effectively.

Networking Infrastructure Overhaul

To support eOffice, a major effort was made to activate a 120-node NICNET-based LAN across all three floors of the new Collectorate building. With the approval of the District Administration, the Network Division, NIC State Centre, Bhubaneswar reconfigured the four network switches. Additional 150 IP addresses were provided to support the growing number of users. Network Engineers (FSEs) identified LAN nodes, allocated IPs, and installed antivirus (SentinelOne) from the NIC AV Server. The entire NICNET-based LAN became operational by 25th March 2025.

User Onboarding and Data Collection

An enormous effort was undertaken to collect personal data of all officers/staff—within a month's timeframe—for login ID creation. This included staff of the Collectorate and nearby departments like DWO, DSWO, District Culture, Civil Supplies, Panchayat, Election, Excise, Social Security, Child Protection, Urban Development Agency, and ITDA, Paralakhemundi.

Key contributions came from:

- Mr. Raj Anand, Ex-ADIO, NIC Gajapati
- Mr. Prasant Sahu, CMGI Coordinator
- Mr. Pratap Nayak, FSE

Additionally, the eOffice team at NIC State Centre and CMGI, Bhubaneswar offered continuous support. Mr. Chandan Kumar Mohanty, Scientist-D, NIC Bhubaneswar, played a key role in timely login ID creation.

Statistics of eOffice use so far:

S.No.	Department /Office	eFile Created	eFile Moved	eReceipt Created	eReceipt Moved
1	GAJAPATI COLLECTORATE	830	11663	3910	52655
2	Civil Supplies Office	12	43	8	26
3	District Child Protection Unit	32	93	54	168
4	District Culture Office	6	18	9	29
5	District Education Office	51	242	25	118
6	District Election Office	24	92	16	57
7	District Excise Office	1	1	1	2
8	District Small Saving	1	3	0	2
9	District Social Security Office	61	499	461	5132
10	District Social Welfare Office	21	77	33	290
11	District Welfare Office	73	320	252	1013
12	DLC-Gajapati	3	220	0	254
13	DPC (Samagra Shiksha)	110	591	191	691
14	Duda	0	0	0	0
15	ITDA Paralakhemundi	39	544	8	73
16	District Panchayat Office	22	109	24	279
17	Sub-Collector-Paralakhemundi	1	2	1	4
18	Zilla Parishad Office	13	97	40	140
Total eFiles & Movement		1300	14614	5033	60933

DSC Configuration and Odia Font Integration

Thanks to the proactive support of Mr. Siba Prasad Nayak, Programmer from the eOffice team in Bhubaneswar, DSC-based digital signing was successfully configured. The Kalinga Odia font was also integrated for file processing in the Odia language.

Leadership Commitment: A Clear Directive

Taking the review meeting, the then Collector, Shri Bijay Kumar Dash, IAS, firmly stated: *"Why not start from tomorrow? I don't want to see physical files on my table. I've used eOffice at CMC and the State Election Office in my previous assignments. No physical files from 2nd April 2025."*

Rollout Status

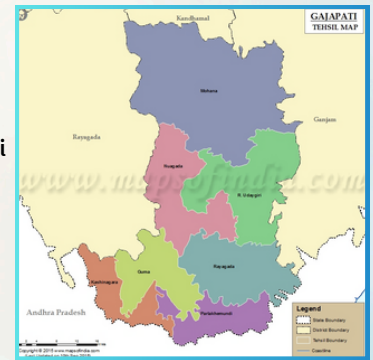
On 2nd April, 2025, eOffice went live in the Composite Collectorate and ITDA Paralakhemundi with over 100 users.

Subsequently, it was extended to:

- District Education Office
- DPC, Samagra Shiksha
- Zilla Parishad, Gajapati
- Sub-Collector Office, Paralakhemundi

Offices in the pipeline:

- Chief District Medical Office (CDMO)
- Tahasil, Paralakhemundi
- 10 RI offices
- District Sub-Registrar Office



Roadmap for Full Rollout

A roadmap has been created to extend eOffice to all remaining 6 Tahasils, their RI offices, and 7 Block offices by August, 2025. After the discussions with the ADM (Revenue), Sub-Collector, Paralakhemundi, and CDO-cum-EO, Zilla Parishad have shown strong interest for this implementation.

While GP-level implementation isn't feasible now due to lack of network infrastructure, the focus remains on not just rolling out eOffice, but ensuring active use and eFile movement through regular staff engagement and progress monitoring.



I am pleased to convey my sincere appreciation for your exemplary dedication, professionalism, and tireless efforts in execution of your duties in implementation of eOffice in the district from 25-03-2025, along with establishing a 100-node NICNET based LAN connectivity across all departments/sections in the Collectorate building with the active support of the NIC Network team and District Coordinator, CMGI Cell Gajapati.

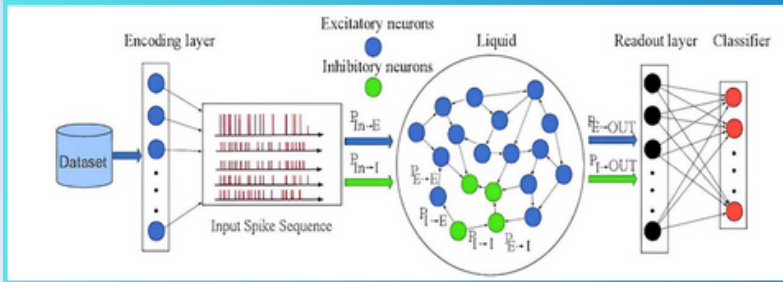
Your involvement in implementing eOffice, making the District Collectorate a fully functional eFile system with a total of 1250 eFiles created so far in the District and efficiently moved, is commendable. The manner, in which you have consistently upheld the values of digital transformation in the district, is truly inspiring. I encourage you and your team to continue your outstanding work with the same spirit and dedication.

Shri Bijay Kumar Dash, IAS
Collector & District Magistrate
Gajapati, Odisha



Liquid Neural Networks: Adaptive, Real-Time Learning

Liquid Neural Networks (LNNs) are a new type of machine learning model inspired by how dynamic systems evolve over time. Unlike traditional neural networks, which have fixed structures, LNNs can change their internal setup based on real-time data. This flexibility makes them ideal for environments that are constantly changing, or for tasks that involve sequences, like time-series forecasting.



Key Features:

- **Dynamic Adaptability:** LNNs adjust their behaviour as new data comes in, making them perfect for situations where things aren't static, such as robotics or autonomous vehicles.
- **Temporal Memory:** These networks can remember past inputs and outputs, which help them understand time-dependent patterns, making them great for tasks like forecasting or sequential decision-making.
- **Efficient Learning:** LNNs are good at learning quickly, even from small amounts of data. This makes them useful when you need fast adaptation, such as in real-time systems with limited training data.
- **Spiking Neural Networks (SNNs):** Some LNNs use ideas from Spiking Neural Networks, which are modelled after how our brains process time-sensitive information.

Applications:

- **Robotics:** Adaptive control for robots in dynamic environments.
- **Autonomous Systems:** Continuous learning for self-driving cars and drones.
- **Time-Series Forecasting:** Predictions in finance, weather, and more.
- **Natural Language Processing:** Adapting to evolving context in language tasks.

LNNs bring flexibility and adaptability to machine learning, offering a great fit for real-time, dynamic applications. As research advances, they have the potential to power smarter and more responsive AI systems.

Contributed by: Shri Dipak Kumar Sharma, STA-B



“Brukhya Daan’: A Mass Plantation Drive

On 19th July, 2025, NIC Employees Association for Recreation and Sports (NEARS), observed the Plants Donation initiative at NIC, Bhubaneswar. Around 50 saplings of various plant species were distributed. Dr. Gyana Ranjan Parija, a noted environmentalist, graced the occasion as Chief Guest. He lauded the initiative for promoting environmental responsibility and contributing to a greener planet.

Furthering the initiative, over thirty coconut saplings, along with mango, guava, and other native plants, were planted in Bidyadharpur village, Suando, along the Bhubaneswar–Puri highway on 26th July, 2025. All District Centres were requested to carry out similar plantation drives locally.



IT by Tea



Serverless Computing

Serverless computing is a cloud computing execution model that allows developers to build and run applications without managing servers.

Myth:

A common misconception fuelled by the term “serverless” is that applications run without any underlying infrastructure, implying the complete absence of physical or virtual servers. As a result, many assume serverless functions run autonomously, without relying on any tangible backend systems.

Truth:

Despite its name, serverless computing still relies on real servers. The key distinction is that the responsibility for provisioning, scaling, and maintaining those servers is entirely managed by the cloud provider. Developers simply deploy their functions, and the platform handles execution automatically. This abstraction frees developers from infrastructure concerns, enabling them to focus solely on application logic. In essence, “serverless” refers to the developer experience not the absence of servers. More accurately, it's a Function as a Service (FaaS) model, where applications are composed of discrete functions that run on demand, with billing based only on actual execution time.

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