

HON'BLE VICE PRESIDENT OF INDIA LAUNCHED ONLINE LoA
THROUGH REALCRAFT FOR SUSTAINABLE HIGH-SEAS FISHERIES

The Hon'ble Vice President of India, Shri C. P. Radhakrishnan launched the Letter of Authorisation (LoA) framework for Sustainable Harnessing of Fisheries in the High Seas on 9th July, 2026 at OUAT, Bhubaneswar, Odisha. Hon'ble Governor & Chief Minister of Odisha and other dignitaries including officers of NIC, Kerala and Odisha were present on the occasion. The initiative empowers Indian-flagged fishing vessels to undertake regulated high-seas fishing while ensuring sustainable utilization of marine resources and compliance with international conservation standards.

A key enabler of this initiative is the ReALCRAFT (Registration and Licensing of Fishing Craft) digital platform, developed by NIC, Kerala, through which the entire LoA lifecycle - from application and scrutiny to approval, issuance, renewal, and real-time tracking is delivered online. The integration of LoA with ReALCRAFT ensures vessel-specific authorization, end-to-end transparency, traceability, ease of compliance and efficient service delivery. By digitizing regulatory processes, the platform strengthens fisheries cooperatives and Fish Farmer Producer Organisations (FFPOs), improves governance, enhances access to high-value fisheries resources, and creates sustainable livelihood opportunities while promoting responsible fisheries management and export competitiveness.

BHU-ARJAN:
A STEP FORWARD TOWARDS CROSS-STATE ADOPTION

Bhu-Arjan, a web-enabled digital platform for managing land acquisition, rehabilitation and resettlement, has been developed by NIC, Odisha. At the invitation of the Government of Maharashtra, a team comprising of Shri Jageswar Sahu, Scientist-F and Shri Deepak Amat, Scientist-D, visited the Office of the Settlement Commissioner and Director of Land Records, Pune, from 1st July to 3rd July, 2026 to present the features of Bhu-Arjan and assess its feasibility for implementation in Maharashtra.

During the visit, the domain experts from the Government of Maharashtra and NIC, Maharashtra, led by Shri Shailesh Nawal, IAS, held detailed discussions on the end-to-end workflow of land acquisition. The team demonstrated the complete process, beginning with the generation of a land acquisition proposal and progressing up to the Section 19(1) Declaration, including the preparation of Land Acquisition Cost Estimates. To facilitate a comprehensive evaluation, credential to access the staging server were shared with the Maharashtra team, enabling them to study the complete workflow and undertake a gap analysis.

STATE COORDINATOR REVIEWS NIC ODISHA PROJECTS
AND NeVA IMPLEMENTATION

Dr. Rajesh Kumar Pathak, DDG & State Coordinator (Odisha), visited NIC, Odisha from 15th to 18th July, 2026 to review key e-Governance initiatives, interact with officers and assess ongoing technology-driven projects. During the Project Review Meeting held on 17th July, 2026 the Project Profile of NIC, Odisha was released by Dr. Pathak along with other dignitaries. He reviewed presentations on innovative digital solutions, appreciated the achievements of various teams, and provided valuable suggestions for strengthening emerging technology initiatives.

On 18th July, 2026, Dr. Pathak visited the Odisha Legislative Assembly to review the implementation of the National e-Vidhan Application (NeVA). He interacted with the Secretary, Odisha Legislative Assembly & officials of NeVA and reviewed implementation progress, discussed operational challenges and offered guidance for effective execution.

EMPOWERING EDUCATORS WITH REAL-WORLD INSIGHTS
INTO AI AND DIGITAL INFRASTRUCTURE AT NIC BHUBANESWAR

As part of the AICTE Training and Learning (ATAL) Faculty Development Programme (FDP) 2026-27, the School of Computing, Trident Academy of Technology, hosted a cohort of 35 faculty members for a technical visit to NIC, Bhubaneswar and the NDC, Bhubaneswar.

During the visit, participants attended an expert session on the role of AI in application development and examined practical use cases highlighting how AI accelerates development cycles, improves decision making and enhances user experiences across engineering and management domains.

The presentation on NDC infrastructure provided an overview of architectural design, operational best practices, security controls and continuity planning employed at the National Data Centre. The programme included a guided tour of the National Data Centre, giving participants a first-hand view of facilities and operations of the centre.



PRIME MINISTER'S VIKSIT VIBRANT VILLAGE PROGRAMME INTERACTION

NIC, Odisha successfully conducted video conferencing arrangements across all districts of Odisha for interaction of the Hon'ble Prime Minister of India, Shri Narendra Modi, with youth participants of 'Viksit Vibrant Village Programme' (VVVP) 2026 on Sunday, 26th July, 2026.

The programme, organized under the MY Bharat initiative of the Ministry of Youth Affairs and Sports, brought together more than 400 youth representatives from every State and Union Territory who had participated in a month-long immersion programme in border villages of India.



Anugola



Kataka



Kendujhar



Dhenkanal



Rayagada



Kendrapada

NIC ODISHA'S "AMA RASTA" DIGITAL INITIATIVE: A STRATEGIC LEAP IN ROAD SAFETY GOVERNANCE

NIC, Odisha is transforming road safety management through the rapid rollout of the "AMA RASTA" WhatsApp Bot, a cutting-edge digital ecosystem designed for real-time accident documentation and emergency response. Developed by NIC in collaboration with the State Transport Authority, this initiative empowers both law enforcement and citizens to report accidents instantly.

In June and July 2026, intensive capacity-building sessions were conducted across all districts. These programmes utilized physical, virtual and hybrid modes to train hundreds of officers - ranging from IPS, Superintendents of Police to Investigating Officers on the bot's core features. Key functionalities include capturing live GPS locations, uploading real-time site photographs, and managing immediate emergency alerts. In all districts, demonstrations for checking EV subsidy and PUC statuses via the bot were also conducted.



Kataka



Malkangiri



Sundargarh



Debagada



Mayurbhanj



Kendrapada

NIC ODISHA POWERS TRANSPARENT 18TH PHASE E-LOTTERY FOR EXCISE DEPARTMENT

The Dept. of Excise, Govt. of Odisha launched the 18th Phase e-Lottery process for retail liquor shops, encompassing Indian-Made Foreign Liquor (IMFL-Off), Premium Foreign Liquor (FL-Off), Country Liquor (CL) and Out Still (OS) licenses with technical assistance from NIC on 23rd June, 2026. Following a 14-day submission period, the lottery events were successfully conducted on 10th and 14th July, 2026 across 20 participating districts.

Key Statistics: The process attracted significant nationwide interest, totaling 956 applications. This included 394 for Premium FL-Off, 370 for IMFL-Off, 174 for OS and 18 for CL categories. Out of the 169 sanctioned shops, 80 were successfully settled, comprising of 54 IMFL-Off, 14 OS, 9 CL and all 3 Premium FL-Off shops. The initiative generated Rs. 35.07 Crores in non-refundable application fees, with Rs. 34.47 Crores collected via net banking and the remainder through NEFT/RTGS. Notably, the BMC, North Zone, Bhubaneswar received the highest volume of interest with 234 applications.



Bhadrak



Jharsuguda



Kataka



Kendujhar



Mayurbhanj



Rayagada



Sambalpur



Sundargarh

INSIGHTS ON AI-DRIVEN INNOVATIONS AT SVSET'S NATIONAL CONFERENCE

Swami Vivekananda School of Engineering and Technology (SVSET) organised the National Conference on Use of Smart Technologies in Civil & Mining Engineering on 30th July, 2026. Shri Niladri Bihari Mohanty, Scientist-D & Joint Director (IT), NIC, Odisha, joining as the keynote speaker. He highlighted how emerging technologies such as Artificial Intelligence (AI), Machine Learning (ML), Augmented Reality/Virtual Reality (AR/VR), 3D Printing, Internet of Things (IoT), and IoT-based communication technologies are transforming the civil and mining engineering sectors. He also explained how the convergence of these technologies is enabling smarter, safer, more efficient, and data-driven approaches to infrastructure development and mining operations.





Shri Suresh Kumar Pujari, Hon'ble Minister, Revenue & Disaster Management, reviewed the e-Governance initiatives of the Department in the presence of the ACS and IGR. Shri Jageswar Sahu, ASIO & Senior Director(IT), NIC, Odisha participated in the deliberations.



Dr. Rajesh Kumar Pathak visited the National Data Centre, Bhubaneswar and reviewed key facilities and appreciated team effort of NIU, Bhubaneswar in delivering cloud services.



Two-day District-Level Training on DCHB Data Collection for Census 2027 concluded successfully at Kendrapada in the presence of Shri Subhendu Sekhar Sahoo, DIO-cum-Additional District Census Officer and other district officials.



Dr. Rajesh Kumar Pathak visited the NIC Puri District Centre, reviewed the implementation of AEBAS and iRAD and appreciated outreach of NIC to the Panchayat level through AEBAS.



Release of July, 2026 Issue of "The Ascender" by Smt. Shubha Sarma, IAS, Principal Secretary to Government, Water Resources Department in presence of SIO and other Senior Officers.



On 15th July, 2026, during his visit to Odisha, Dr. Rajesh Kumar Pathak, DDG & State Coordinator, Odisha, extended a warm welcome to all the newly posted officers who had been transferred from various States to NIC, Odisha.



Utkal University launched its revamped website and digital platforms which included Utkal Darpan, e-Pratikar and e-Samikshya, developed with technical support from NIC, Odisha to enhance digital governance and stakeholder services.

Publications

Scan the QR for NIC Odisha Annual Hindi Magazine – Jagruti.



Scan the QR for NIC Odisha Projects Profile – July 2026



Farewell



Our sincere tribute and honour to
Ms. Snigdha Acharya, Dy. Director General
Shri Jagannath Kar, Scientist-E (Director-IT)
Md. Mujibullah Khan, Scientist-E (Director-IT)
on the eve of attaining superannuation
for their years of dedicated & exemplary service at NIC, Odisha.

The 'Prema Tharu' Plantation Drive Programme was organised at NIC, Odisha State Centre in the presence of Dr. Rajesh Kumar Pathak, DDG & State Coordinator, Odisha on 15th July, 2026. The programme witnessed enthusiastic participation of officers and employees, reflecting commitment of NIC Odisha to environmental sustainability. As part of the initiative, 250 saplings were distributed among the employees to encourage tree plantation and foster a greener environment. The plantation drive highlighted the importance of collective responsibility towards environmental conservation and inspired participants to contribute actively to ecological preservation. The initiative reinforced dedication of NIC, Odisha for promoting sustainable practices and creating a cleaner and greener future.



IT by Tea

THE COMING QUANTUM THREAT: WHY INDIA MUST PREPARE FOR POST-QUANTUM CRYPTOGRAPHY

Myth: Quantum computers capable of breaking today's encryption are still decades away. Therefore, India can postpone upgrading the cryptographic systems protecting Aadhaar, UPI, DigiLocker, eOffice, banking, and defence communications until such machines become a reality.

Truth: The quantum threat has already begun through a strategy known as "Harvest Now, Decrypt Later." Adversaries may intercept and store encrypted communications today, even though they cannot decrypt them yet. Once cryptographically relevant quantum computers arrive, the archived data could be decrypted, exposing historical communications that reveal a nation's strategic priorities and decision-making patterns. Recognizing this, NIST finalized post-quantum cryptography standards in 2024. India is advancing quantum readiness through the National Quantum Mission, CERT-In guidance and DST's 2026 roadmap for post-quantum resilience by 2029, with C-DOT, DRDO, IISc & IITs developing quantum-safe technologies.

Contributed By: Shri Manish Kumar
DIO, NIC, Balangir

TOONIC

"...This is for YOU Sir !!!...
Company's limited
edition... it has
everything you can ask
for from a high-end self-
driven intelligent
luxury car...
you will just enjoy
your journey...
defaulter on loan EMI,
it will automatically
return to us..."

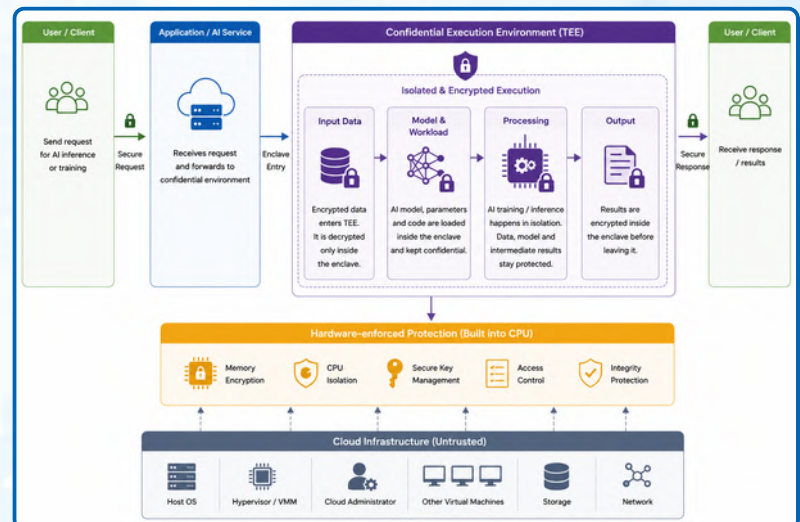


CONFIDENTIAL COMPUTING: PROTECTING AI MODELS WITHOUT EXPOSING DATA

AI powered service providers are increasingly deploying through GPU-as-a-Service (GPUaaS), offering powerful computing without owning the hardware. But this raises a critical question: what happens to sensitive data when it is decrypted and processed in a third-party server's RAM or GPU memory?

While conventional security protects data at rest and in transit, AI workloads require data to be decrypted during processing, creating a potential exposure point. Confidential Computing addresses this gap using hardware-based Trusted Execution Environments (TEEs) to protect data, AI models, and computations while in use—enabling secure use of third-party cloud and GPU infrastructure without exposing sensitive workloads to the underlying provider. How Confidential Computing is enabling secure AI in the cloud:

- Protecting Data in Use:** Sensitive information remains protected during AI training and inference, closing the last major security gap in cloud computing.
- Securing AI Models:** Confidential Computing safeguards model parameters and inference workloads from theft, tampering, and unauthorized access, protecting valuable intellectual property.
- Enabling Trusted Cloud AI:** Organizations can confidently deploy AI applications in public or hybrid clouds without compromising the confidentiality of sensitive data.
- Strengthening Privacy and Compliance:** Hardware-enforced protection helps organizations meet regulatory requirements and data sovereignty policies while maintaining cloud scalability.
- Building Trustworthy AI Systems:** By combining cloud computing, hardware-based security, and AI, Confidential Computing enables secure, privacy-preserving, and reliable AI services for mission-critical sectors.



As AI adoption continues to accelerate, Confidential Computing is emerging as a foundational technology for building secure and trustworthy AI systems, enabling organizations to innovate with confidence while protecting both their data and their intelligence.

Contributed By : Shri Bhabanisankar Pati
DIO, Debagada

महीने के हिन्दी शब्द

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| • Affidavit | : शपथ-पत्र | • Civil rights | : नागरिक अधिकार |
| • Backdated | : पूर्व दिनांकित | • Fair selection | : निष्पक्ष चयन |
| • Bona fide resident | : वास्तविक निवासी | • Gazette notification | : राजपत्र अधिसूचना |
| • Bulk purchase | : थोक खरीद | • Gout. machinery | : सरकारी तंत्र |