

Insight

State-Level Workshop on Strengthening of Transport Sector in Odisha

Commerce and Transport Department, Govt. of Odisha organized a State Level Workshop on "Strengthening of Transport Sector in Odisha" on 17th Nov 2023 at the conference hall of Hotel Mayfair, Puri.

Smt Tukuni Sahu, Hon'ble Minister, Commerce & Transport (C&T Department) graced the occasion with the august presence of Smt. Usha Padhee, IAS, Principal Secretary, C&T Dept, Shri Sanjay Kumar Mishra, IRTS, Special Secy to Govt, Sri Arun Roy, IPS, Director, Printing Press, Sri Amitabh Thakur, IPS, Transport Commissioner, Sri Diptesh Kumar Pattnaik, IPS and CMD, OSRTC, RTOs and other senior officials of Transport Department, Civil Aviation, Port and Printing press.

Participating in the workshop Shri Prasant Kumar Nayak, Sr. Director (IT) & Transport Project Coordinator, NIC, Odisha, presented on "Driving eGovernance using effective initiatives" and enlightened unique initiatives of Odisha like EV Subsidy Portal and eDetection application.

Hon'ble Transport Minister felicitated Shri Nayak for his contribution towards eGovernance initiatives done by NIC in Transport Department.



Viksit Bharat Sankalp Yatra (VBSY) in ODISHA State

Viksit Bharat Sankalp Yatra (VBSY) was planned from 15th of Nov'2023, Janjatiya Gaurav Divas, to raise awareness on initiatives of Government of India to ensure last mile delivery of flagship schemes, through outreach activities.

All DIOs were trained on the portal developed for the purpose, who in turn guided District Administration for creation of District Nodal Officers and Day Nodal Officers, allocation of vans to GPs, mapping of Day Nodal officers with Vans, creating route map, creating events calendar, geo-tagging of event locations, creating Utsav Committee and Swagat Committees, daily Uploading of data on various activities and participants thereof by the Blocks.

At the places where two-way communications were being planned for interaction of beneficiaries with Hon'ble Prime Minister in presence of Hon'ble Governor / Ministers, DIOs coordinated all technical aspects at the remote sites including network connectivity with Leased Line having backup link, Videoconferencing equipment to work on IP with support to connect two or



Fifty two (52) Offices joined eOffice-Launched by Chief Secretary, Odisha

On 21st November 2023, at Lokseva Bhawan, Chief Secretary, Odisha, launched eOffice in 52 different offices across the state. These offices include 41 subordinate offices of Directorate of Fisheries, MS Law University, Cuttack, Rajendra University Bolangir, Startup Odisha, Odisha Small Industries Corporation (OSIC) Ltd, Odisha Coal & Power Limited, Animal Disease Research Institute (ADRI), Phulnakhara, Veterinary Officers' Training Institute (VOTI), Odisha Livestock Resource Development Society (OLRDS), Frozen Semen Bank, Cuttack, Odisha Biological Product Institute.

As a mark of formal launching of eOffice in Directorates of Fisheries; one online file was approved by Principal Secretary, FARD. Similarly, Vice Chancellor, MS Law University, accorded online approval of one of the files.

In his inaugural address, Chief Secretary expressed happiness that eOffice has been implemented in more than 1000 offices outside state secretariat. He advised to follow the model of Jagatsinghpur district in taking eOffice implementation to Panchayat level at each district. Smt. Rachna Srivastav, DDC & HoG (eOffice) along with the eOffice team of NIC Hqrs. and respective Heads of other departments of Odisha joined the inauguration session virtually.



more cameras through HDMI Video inputs, UPS with Suitable Generator backup for Power supply, connecting to bigger size LED Monitor / TV for viewing by Participants etc. They carried out test runs prior to the event and ensured perfect audio / video during the programme.

In November, 71 Vans covered 1009 GPs where in 636 VVIPs attended the programme. Drone Demonstration was given in Ranpur Block of Nayagarh District in presence of Smt. Darshana Jardosh, Hon'ble Union MoS, Railway & Textiles.

In Odisha, VBSY is achieving the satisfactory progress with the leadership of Mrs Ranjana Chopra, IAS, GoI (State Prabhari), Shri Shushil Lohani, IAS, GoO (State Nodal Officer) with technical coordination on behalf of NIC by Shri S. P. Dash, Sr. Director (IT) & Shri Sanjay Kumar Das, Director (IT) along with all DIOs.



Deliberation on “Media in the Era of Artificial Intelligence”
-Observance of National Press Day at Nabarangpur

On 16th November, on the eve of National Press Day, Press Council of India, a statutory Central Body under Government of India organised awareness campaign across the country on the theme “Media in the Era of Artificial Intelligence”.

Participating in the Seminar being organised by Nabarangpur District Administration and I&PR department, Shri Biswaranjan Bhukta, DIO, Nabarangpur, emphasized the use of Artificial Intelligence as an emerging tool to assist digital media professionals for augmenting the dimensions of reporting, script writing, content creation, proof reading, presentation and archiving of media contents.

The applications based on AI Technology such as ChatGPT, Synthesia, Canva and Buffer can be beneficial to make the digital contents for journalism more effective and professional. He informed how AI can be used for benefit of society by detection of fake news and deep-fake contents in social media platforms. The Seminar was chaired by Dr. Kamal Lochan Mishra, IAS, Collector, Nabarangpur. Shri Rohit Verma, IPS, SP, has graced the occasion among other dignitaries.



Talk on AI / ML in Space Tech at Devfest-2023

Google Developer Group (GDG), Bhubaneswar hosted Devfest 2023, featuring insights into emerging technologies such as Cloud and AI. Shri Niladri B. Mohanty, Scientist, from NIC Odisha delivered a talk on the application of AI/ML and Cloud in diverse aspects of Space technologies, covering topics like simulation software Open Rocket, Bitflip detection using AI/ML, Ground Station-as-a-Service, Azure Orbital, Open MCT Mission Control Software, GAN / SRGAN algorithms for remote sensing image quality enhancement.

His presentation on contemporary small satellite segments such as CubeSat as well as hitch launching services, LoRA & TTN based communication, and two-line element code, resonated well with the community, receiving widespread acceptance. He also elucidated on how



post June 2020, startups can leverage the opening space sector for private industries by transitioning from a capex-based to opex-based model.

Energy department on-boarded Bhu-Arjan (Land Acquisition System)

Bhuarjan is a web enabled and workflow based application as per RFCTLARR ACT, 2013 and Odisha RFCTLARR rules to carry out different activities in Land Acquisition, Rehabilitation and Resettlement Process. It has been implemented across various Departments under Govt. of Odisha.

The sensitization programme was organised for Additional General Managers, Deputy General Managers and Land Officers of Odisha Power Transmission Corporation Limited (OPTCL) under Energy Department on Bhu-Arjan system at Revenue Officers’ Training Institute (ROTI) on 5th December 2023.

Awareness on “Cyber Security and Digital Hygiene”
for the office of Director of Census Operations, Odisha

On the eve of Vigilance Awareness Campaign-2023, the Office of the Director of Census Operations (Ministry of Home Affairs, Government of India) Bhubaneswar conducted a training session on “Cyber Security & Digital Hygiene” for their officials.

Ms. Sasmita Sabat, Director (IT), CoEAS, NIC Bhubaneswar, conducted the session on 17th Nov, 2023. She highlighted various aspects on Cyber Security awareness including different forms of Cyber-attacks & its techniques, Phishing attack and its different scenarios with real case study, and basic measures to be taken to prevent from different cyber-attacks. Various guidelines to be followed in an organization on Cyber Security Awareness as given by CERT-IN and NIC-CERT were discussed in detail. More than 50 officials from the Census Office attended this training session.



One Day Sensitisation programme on Digital India for NSS Volunteers

Rairakhol Women’s Higher Secondary School (RWHSS), Sambalpur organized one day sensitization programme on 17th Nov 2023 to focus on Digital India for NSS Volunteers. Hon’ble MLA, Rairakhol Shri Rohit Pujari inaugurated the programme.

Shri Rudra Prasad Dash, DIO, NIC, Sambalpur participating as esteemed speaker, sensitized participants on various Digital India initiatives taken by both Govt. of India and Govt. of Odisha. He discussed on nine pillars of Digital India and explained various portals and Apps useful for students like Aadhar, Digilocker, MyGov, Digital Village, Jeevan Praman, SAMS, UDISE-plus, Scholarship Portal, NTA portal, e-Counselling, Parivahan portal & App, Bhulekh portal, Service Plus etc. Smt. Mamata Biswal, Principal, RWHSS and Dr. Biswamohan Jena, NSS coordinator coordinated the programme.



Different modules like Land Acquisition, R&R, Social Impact Assessment (SIA), Public Grievance, Legacy Data Capturing and Award Management were presented. All officers were facilitated with set of user credentials of staging environment. The hands on session was organised to build up technical competency.



Vigilance Awareness Week observed at NIC, Odisha from 30th Oct, 2023 to 5th November, 2023

As per the circular No. 9(01)/2023-VIG, dated. 27.09.2023 Vigilance Awareness Week was observed at Odisha State Centre, NIC, Bhubaneswar, for fostering a culture of integrity, transparency, and accountability in the office. The week-long event featured diverse activities to engage and educate the NIC officials and outsourced manpower on the importance of vigilance in public service.

The week commenced with an insightful session conducted by Shri Sudhansu Pradhan, Odisha Facilitator, Government e-Marketplace (GeM). Shri Pradhan shared insights into ethical practices, emphasizing the role of technology in promoting transparency and efficiency in government procurement processes.

NIC officials in Odisha took a collective pledge, demonstrating their commitment to uphold the principles of vigilance. This synchronized effort, coordinated by NIC Headquarters in New Delhi, aimed to unite officials across the organization under a common banner of integrity and ethical conduct.

The third day witnessed a "Run for Unity" on Ekta Divas, symbolizing the importance of unity in the fight against corruption. In addition to that, Shri Somnath Hansdah, Chief Vigilance Officer from NALCO, delivered an insightful address, highlighting the critical role about how each individual plays in promoting vigilance within their spheres of influence.

A creative initiative unfolded on the fourth day with a Poster Competition for all outsourced manpower. The theme, "Say no to corruption; commit to the Nation" prompted participants to express their perspectives on combating corruption through artistic representation. The competition fostered a sense of ownership and responsibility among them.

The fifth day featured a stimulating Debate Competition for NIC officials, exploring the theme, "e-Governance is a tool for combating corruption". Participants engaged in a spirited exchange of ideas, delving into the ways how technology can act as a shield against corruption, ensuring transparent and accountable governance. NIC officials from all the districts have also participated through VC.

Shri Sanjay Kumar Kaushal, IPS, Inspector General of Vigilance in Southern Region, graced the occasion on the sixth day. His address provided valuable insights into the evolving landscape of vigilance, drawing from his extensive experience in law enforcement. His words resonated with the audience, encouraging a renewed commitment to vigilance.

As part of the observance of Vigilance Awareness Campaign various sessions were also conducted in different dates where in Dr. Pabitananda Patnaik, ASIO(Dist) presented on "Ethics and Governance" and "Systems and Procedures of the Organization". Dr. R. K. Das, DDG & ASIO(State) deliberated on "Role of IO / PO" and "PIDPI (Public Interest Disclosure and Protection of Informers)".

The Vigilance Awareness Week concluded with a solemn Closing Ceremony. All Officials and participants gathered to reflect on the activities and their collective impact. Participants were acknowledged for their exemplary contributions, and each winner was awarded by SIO, Odisha. Additionally, all participants received participation certificates, recognizing their active involvement in the week's activities.



Glimpses from activities conducted during Vigilance Awareness Week observation

Zero-trust security is a new generation security model now getting momentum in this changing dynamics of the digital landscape, addresses the complexity of modern IT environments.

- **Myth:** Zero-trust technology is a cyber security strategy that implies a lack of trust in all users and devices within the perimeter of an organization. It is a perimeter less security model where user outside & inside the perimeter are treated equally.
- **Truth:** In reality Zero trust security model defines it's own perimeter which is not based on location, instead uses more sophisticated components like Trust Broker.

Trust broker makes sure right user is accessing right application with least privilege through continuous verification of identity, context and security gesture of the users or devices irrespective to their locations. It creates completely separate context aware security tunnels between the user and the intranet applications. Unlike any VPN service where it connect devices to a network, Zero trust model connects an user to an app. It helps the system to identify who are internal users and who are not, irrespective of their location.

NIC Panorama

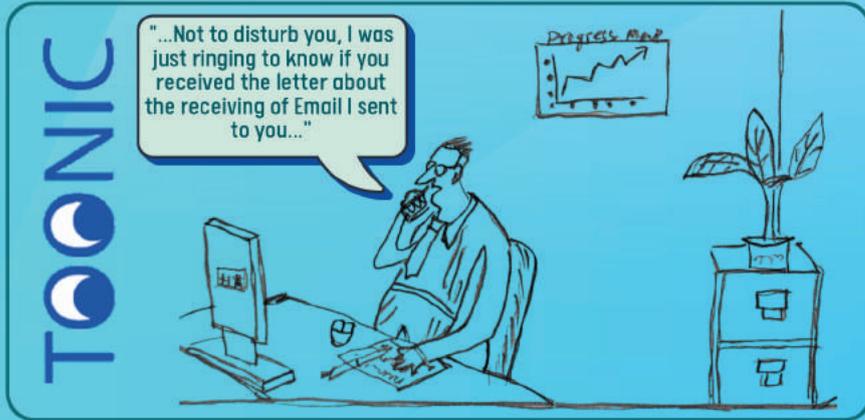
SNEAHA PASARA

- Spreading love at slum by distributing clothes, toys, chocolates etc.

An innovative campaign - 'Sneha Pasara' was organised by NIC Odisha to be a reason for someone's smile.

During this campaign we collected items like dresses (gents / ladies / children), sarees, dhotis, lungis, shawls, sweaters, shocks, caps, mufflers, bed sheets, blankets, shoes, study materials, toys, tiffin boxes, school bags, water bottles and many more. The materials were distributed in Narayan Basti, Bhubaneswar on 7th November, 2023.

There were about 150 families (around 80 children) residing in that locality. All the officers and staff participated in the campaign and performed the cleanliness activities first in that colony. Then the Sneha Pasara was opened and displayed for inmates to choose and take as per their choice. It was highly appreciated by the residents as they felt loved and believed in goodness of people.



BigchainDB - Where blockchain meets the power of a scalable database

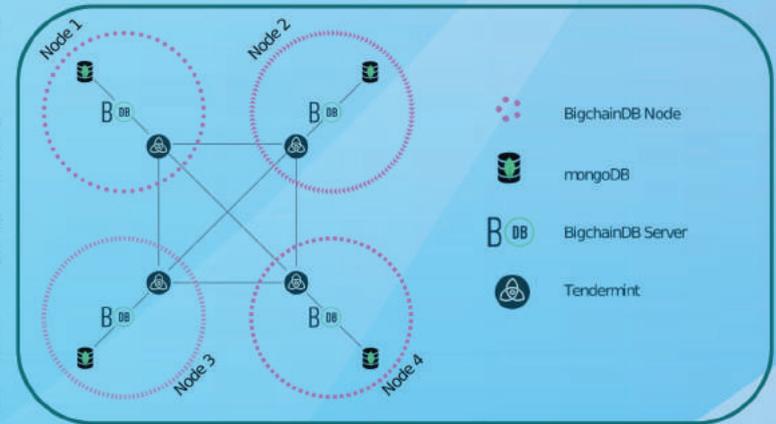
Founded in 2015, BigchainDB is an open-source database project that integrates NoSQL with blockchain features, guaranteeing immutability, decentralization, and owner-controlled assets. Data stored in BigchainDB is immutable, its decentralized structure prevents single points of failure, and asset transfers are exclusive to the owners. Additionally, BigchainDB incorporates Byzantine Fault Tolerance (BFT), capable of withstanding up to one-third arbitrary node failures, thereby bolstering the database's reliability.

BigchainDB functions through two main layers:

- The consensus layer, which depends on Tendermint.
- The storage layer, constructed on MongoDB.

Every node utilizes MongoDB for storage and communicates via the Tendermint consensus protocol, thereby improving the system's effectiveness in handling decentralized and immutable data.

BigchainDB stands as a revolutionary solution, addressing the scalability, flexibility, and efficiency issues encountered by conventional blockchains. It empowers developers and enterprises aspiring to leverage the capabilities of blockchain technology. The introduction of BigchainDB transforms blockchain from a promising concept into a practical and scalable reality.



Our sincere tribute and honour to Shri Bivas Roy, Sr. Director (IT) and Shri Sarbadaman Ghosh, Office Assistant on the eve of their attaining superannuation from Govt. Service

