

**eAbkari: Sensitisation to New Recruits at Gopabandhu Academy of Administration**

With the objective to equip the newly recruited Deputy Superintendents of Excise with a comprehensive understanding of various modules and associated workflows of eAbkari suite the sensitisation session was organised at Gopabandhu Academy of Administration, Bhubaneswar.

The session focused on Daily Preventive Raid, Criminal Court Information System, and Serious Irregularities Modules. They were explained about the intricacies of Daily Preventive Raid Entry and the importance in maintaining accurate records under the Criminal Court Information System within the legal framework. The training exposed them to Serious Irregularities Report module highlighting its role in addressing and reporting critical issues.

The training also focused on introduction to Track and Trace module which is being successfully implemented in various bottling units across the state and it facilitates ragging of EAL- Excise Adhesive Module in finished products and is highly instrumental for curbing illicit liquor distribution and sale. Participants expressed their satisfaction to have possessed a thorough knowledge on these eAbkari modules, which would enable them to execute their responsibilities with proficiency.



**Leveraging ICT for Road Safety: National Road Safety Week - 2024**

National Road Safety Week, a crucial initiative in India, is observed annually in the month of January. The theme for National Safety Day, 2024 was "Safety for a Sustainable Future." This theme underscores the critical link between safety and sustainability, emphasizing the need for a comprehensive approach that integrates safety into all aspects of our lives to achieve a sustainable future.

The state level function in Odisha was inaugurated by Smt. Tukuni Sahu, Honble Minister, Commerce, Transport and Water Resources. The closing ceremony was organised at Jajpur in the presence of Addl. Commissioner Transport (Admin), Secretary, STA, Senior Director (IT), NIC, Collector, Jajpur, Deputy Commissioner Transport and RTOs.

Sri Prasant Kumar Nayak , Sr. Director(IT) and Transport Project Coordinator, Odisha joining the event addressed on the use of ICT in reduction of accidents in the state. He mentioned the initiatives of government, with technical support of NIC, to enhance road safety like eChallan, Citizen Sentinel of mParivahan App, ITMS and iRAD etc. He joined to distribute awards to the winners of painting, slogan, debate competitions organised for Junior and senior students' level. Special Police Officers (SPOs) were also felicitated for their commendable job.



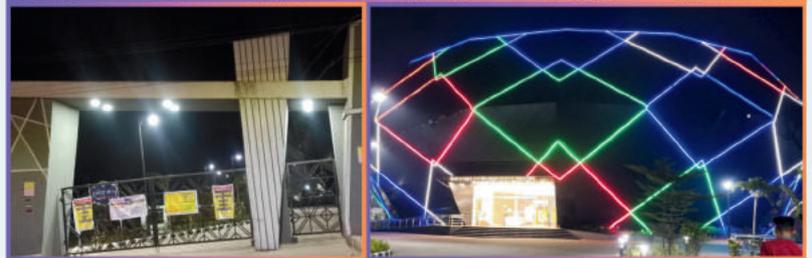
**Online Reservation System for entry into the Black Diamond Complex, Angul, Odisha**

On the New Year day i.e 1st January, 2024, the Online Reservation System for entry into the "Black Diamond Complex", Angul, Odisha was launched by Sri Siddharth Shankar Swain, IAS, Collector & DM, Angul in the presence of senior officers including ADM, Nizarat Officer, DMF officials and other dignitaries.

The Online Reservation System, developed on ServicePlus platform of NIC, aims to regulate the reservation process for various facilities available inside the Complex i.e. (a) General Entry, (b) World Class Library, (c) Interpretation Centre, (d) Conference Hall, (e) Auditorium etc.

To avoid the crowd at the complex, one hour visiting slot systems has been incorporated in the application where the citizen can book a slot between 9AM to 5PM every day except Thursday, as the complex remains closed on Thursday for maintenance activity. In each slot, a maximum of thirty (30) people can visit the complex. The various rate charts are available as per the option chosen by the citizen. The children below the age group of seven years are waived off for any payment.

Once the reservation is made by the citizen, confirmation slip having QR Code is generated from the system which will be verified at the complex by the officials in charge. In the inaugural session, Sri Subrat Kumar Chatterjee, Sr. Director (IT) & DIO, NIC, Angul gave a brief presentation on the features and detailed registration procedure of the Online Reservation System. The effort of the ServicePlus team, NIC, Bhubaneswar and DIO, Angul was well appreciated.



Publications			
	Nabarangpur, Odisha – Empowering governance for the last-mile service seeker	SATHI – An ecosystem where each seed tells its own story	Digital Platforms Profile of NIC Odisha in Table-top format

**SIO interacted with students of BJB Higher Secondary College in NUA-O Fest**

In yet another significant development towards the engagement and empowerment of youth in Odisha, the Government has recently announced the NUA-O (Nutan Unnat Abhilasa) initiative. Envisioned as a series of sports competitions and cultural activities, the initiative was launched across the state.

Dr. A K Hota, DDG & SIO, joined the Nua-O Program being organised at BJB Higher Secondary College as Chief Guest and interacted with students on developing life skills to achieve success in life. Shri Ranjan Kumar Bal, Principal, and Dr. Prafulla Kumar Rath, Former Director, Higher Education, highlighted about Nua-O program, which is providing a platform for youngsters to showcase their talent and to help achieve overall personality development in addition to their academic achievements.

Awards and Certificates were distributed to winners of various sports events. It was followed by captivating cultural programme by students.



**TECHFEST 1.0 : Inauguration by DIO, Angul**

Creative Techno College, Angul organized TECHFEST 1.0 on 29th December 2023 in their college premises which was an exhilarating exploration and celebration of innovation within the realm of technology.

Shri S. K. Chatterjee, Sr. Director (IT) & DIO, NIC, Angul joined as Chief Guest and inaugurated the event. Addressing students, Shri Chatterjee advised to focus on learning emerging technologies that aims at fostering technological creativity and advancement.

He highlighted the nine pillars of Digital India that has a vision to transform India into a digitally empowered society and broaden the knowledge economy. He visited the exhibition showcasing some live AI Projects, business models etc. created by students of the college.

The event was graced by Sri Manas Ranjan Mohanty, District Employment Officer and Sri Gynendra Kumar Sahu, Chairman, Creative Techno College.



**Content Management Training: Western Odisha Development Council (WODC)**

Western Odisha Development Council has the prime objective of accelerated development and advancement of the people residing within Western Odisha comprising of 10 districts and one sub-division of Angul.

The Council lays emphasis on all-round development including minimizing the economic inequalities, creating adequate infrastructural facilities and providing adequate avenues for earning. Different projects under Roads & Communication, Agricultural, Sports Development, Minor Irrigation, Construction of Check Dams, Installation of LIPs, Water Supply Schemes, Sinking of Tube Wells, grant for Infrastructure development of Schools & Colleges, Health Services, Electrification of villages etc. are being taken up by the Council.

A dynamic website with an easy-to-use content management facility (CMS), and role-based accessibility of Information, has been developed by NIC, Odisha based on open source technologies. A hands-on training was imparted to the officials of WODC on various features and functionalities of the web site and dynamic content management on 11th January 2024 at the conference hall of WODC, Rajeev Bhawan, Bhubaneswar in presence of Technical consultants, Dy. Director, Development Officer and OSD. The officials have been requested to start uploading the required data under the guidance of nominated Nodal Officer. Once data is populated the website would be launched.



**e-Gazette: Capacity Building of Nodal Officers of 32 departments organised**

Odisha Government Press is the authorized publisher and custodian of Govt. of Odisha Gazette Publications. Gazette of Odisha Notifications are published by Odisha Printing Press, Cuttack, functioning under Commerce and Transport (C&T) Department at regular intervals. There are two types of Gazette publications - a) Extraordinary gazette - which is published whenever required and b) Weekly gazette - which is published every week.

With a view of implementation of provision under section-8 of I.T. Act, 2000, Govt. of Odisha envisioned introduction of e-Gazettes intending to reduce the time-lag, easy accessibility to the public and bonafide users across the country. This minimizes the printing of gazettes and encourages paper-less publication, saving huge govt. expenses.

The two days training program on eGazette application was conducted successfully on 5th and 11th of January, 2024. Nodal Officers of 32 departments participated in the training. The process flow of following modules was presented.

- |                            |                          |
|----------------------------|--------------------------|
| 1.Change of name / surname | 2.Change of partnership  |
| 3.Extraordinary gazette    | 4.Weekly gazette         |
| 5.Payment system           | 6.Offline payment System |

All participants were requested to use the application for next fortnight and submit the feedback, if any.



## Greeting Senior Officers on New Year

On the occasion of Happy New Year-2024, Officers joined to greet Hon'ble Speaker, Chief Secretary, Addl. Chief Secretaries, RDC, Secretaries, Collectors and Senior Officers of all departments and handed over the table-top digital calendar of NIC, Odisha.



## New Year Welcome Ceremony

NIC Employees Association for Recreation and Sports (NEARS), Bhubaneswar, organized a vibrant New Year welcome ceremony on 2nd January that served as a platform to deliberate on its vision and action plan for the upcoming year. Officers enthusiastically shared their expectations, fostering a collaborative atmosphere aimed at achieving common goals. The event was marked by the harmonious blend of professional discussions and a celebratory spirit, with inspirational songs setting the tone for the occasion. The focus on motivation added a positive touch to the gathering, symbolizing a collective commitment to embrace challenges and propel the organization towards new heights in the coming year.



## IT by Tea

By eliminating the need for extensive on-premises infrastructure, cloud computing significantly reduces capital and operational costs, offering a pay-as-you-go model that aligns expenses with actual usage.

### Myth:

Serverless architecture means it involves no servers at all or it simply abstracts server management away from the developers, with servers still being used continuously in the background by cloud providers. User needs to pay for the managed cloud resources running the back end application.

### Truth:

A managed server hosting a service on the cloud running continuously is called Back-end-as-a-service, not serverless architecture. In Back-end-as-a-service, user needs to pay for the server even if no request is being served by the cloud resource. But Serverless architectures are event-driven, meaning they run in response to a request or event. Each function only runs when it is triggered by a certain event, and it does not run otherwise leading to optimum resource utilisation and reduction in opex. Amazon lambda is one of the serverless architecture.

TOONIC



...I don't know the meaning of these colours and symbols but, when holding it I feel like..."I belong to my Nation"

## Exploring IoT Architecture

In the ever-evolving landscape of technology, the Internet of Things (IoT) stands at the forefront, orchestrating a symphony of interconnected devices that promises to revolutionize our daily lives. IoT can be applied in diverse areas starting from smart homes for enhanced security and energy efficiency, in agriculture for precision farming, in healthcare for patient monitoring, in industries for predictive maintenance, mining to smart cities for optimizing traffic and public services. Amalgamation of IoT with the world of Blockchain raised many possibilities to bring security at the device level in form of BIoT leading to the use of IoT in more sensitive use cases. At its core, IoT architecture is the blueprint that enables seamless communication between devices, creating a network and cloud where physical objects become intelligent entities. The foundation of IoT architecture comprises four key layers:

### 1-Perception Layer or Sensing Layer-

Here sensors and actuators are deployed to collect data from the environment. These sensors could measure various parameters such as temperature, humidity, light, motion, and more.

### 2-Network Layer-

Deals with the transmission and communication of data between the IoT devices or sensors and the upper layers. It involves IoT Gateway & various communication protocols and technologies like LoRA, CoAP, Zigbee etc. Different network servers and application servers can do various activities like deduplication of packets, decryption and RF to TCP conversion etc.

### 3-Data Processing Layer or Middleware-

Responsible for processing and managing the data received from the network layer. It includes storage, data processing, data analytics, AI model training, and the implementation of middleware components like message brokers.

### 4-Application Layer-

At the apex, this layer utilizes processed data to derive insights, make decisions, and execute specific actions. It includes applications and services, like mobile apps, web portals and APIs, designed to interact with the underlying IoT infrastructure.

Essentially, the seamless coordination of these layers drives IoT innovation, connecting devices and enhancing lives.

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