The Ascender

SIO, NIC, Odisha briefs on DARPAN to DM, Jharsuguda during her visit to Western Odisha.

"Education is what remains after one has forgotten what one has learned in school"

- Albert Einstein

Meeting of SIO, Odisha with DM, Sambalpur.

InSight — District Units : Indispensable part of Digital India

Once acclaimed as one of the biggest civilian Data and Communication network of Districts, NIC's core strength lies in it's far flung wings spread across all districts of vast country like India. NIC district units have always played a pivotal role in strengthening the district administration under the gambit and mandate of "Digital India". With nearly 700 units supporting eGovernance at grassroot level, the results are immense in terms of empowering common man while bridging the gap of Digital Divide.

Odisha district units continue their support since late 80s and have been the first to introduce ICT concepts and systems and travelled till date while leveraging modern technology and applications to strengthen the State Government functioning based on digital e-Governance.

Smt Pratibha Singh, Dy Director General & State Informatics Officer, Odisha and her team visited western Odisha districts of Sambalpur, Jharsuguda, Bargarh, and Sundergarh to interact with District Magistrate and Collectors with an objective to pursue cohesiveness among NIC and State Administration and closer interaction with District Administration towards understanding their aspiration to augment and strengthen citizen services on the digital platform. The team also apprised DMs on the different activities of NIC being carried out in the State.

The unique and joint initiatives of Sambalpur district administration and NIC district Unit **"One District One Number",** to look into the grievances of common citizen captured on a web based application and serviced through Helpdesk was well acclaimed. Various interactions were carried out with District Magistrates of these four Districts during launching of "DARPAN – DM Dash Board" which is the data analytics platform of NIC to support Administration through online decision support mechanism. A brief interaction was also carried out with CMD and Directors of MCL-Mahanadi Coal Fields India Limited which happened to be the central PSU based at Odisha, acclaimed as the first PSU in the country to adopt GePNIC, the eProcurement platform of NIC.

SpotLight — National Conference on MI held in Bhubaneswar

A still from National Conference on MI at Bhubaneswar

A National level conference on **Micro Irrigation** (MI) was held in Bhubaneswar, Odisha by the Department of Agriculture, Cooperation and Farmers' Welfare, GoI, in association with the Dept. of Agriculture and Farmers Empowerment, Government of Odisha. Senior Officers from the Ministry of Agriculture and Farmers' Welfare, Government of India, New Delhi, Officials of Agriculture / Horticulture / Irrigation Departments from 11 states, and representatives from NCPAH, NRSC, NIC, NABARD, OUAT , CHES, CIWA, IIWM, CIPET, and Irrigation Association of India attended the conference. Hon'ble Minister, Agriculture, Fisheries, Animal Resources Development and Higher Education, Odisha Dr. Arun Kumar Sahoo, as the Chief Guest, inaugurated the Conference. In his inaugural address, Dr. Sahoo emphasized on adoption of technology on MI to attract youth to take up farming. Principal Secretary, Department of Agriculture and Farmers' Empowerment, Government of Odisha Dr. Saurabh Garg advised to adopt suitable mechanism on MI in the State to enhance productivity of crops. Dr Alka Bhargav, Addl Secretary, Department of Agriculture, Cooperation and Farmers' Welfare, GoI expressed her satisfaction in the performance and highlighted the importance of the scheme of MI under 'Per Drop More Crop' of PMKSY. Shri P. K. Mishra, Scientist of NIC, Odisha demonstrated the automation process-flow created by NIC for implementation of MI scheme in Odisha.

Epitome

Portal unveiled for Youth Parliament

His Excellency Hon'ble President of India, Shri Ram Nath Kovind unveiled 'National Youth Parliament Scheme' in the august presence of Hon'ble Vice President of India, Hon'ble Speaker, Lok Sabha, Hon'ble Prime Minister of India and Hon'ble Minister for Parliamentary Affairs, in the Central Hall of Parliament. The objective of the **Web Portal of Youth Parliament,** deployed by NIC, is to strengthen the roots of democracy, inculcate healthy habits of discipline, tolerance of others views and to enable the student community to know about practices and procedures of the Parliament. This portal contains e-training resources in the form of tutorials, literature, training videos, etc. for e-training and self-learning for the participants. The portal will be used for implementing and monitoring of the Youth Parliament programme of the Union Ministry.

Top: His Excellency Hon'ble President of India launching the Web Portal of Youth Parliament.
Bottom: Screenshot of the Web Portal of Youth

Resonance

Digilocker : The Digital Locker for Citizen of India

Screenshot of Digilocker app for Citizen of India

A State level workshop on implementation of Digilocker was held on 19th November 2019 in Bhubaneswar. It was inaugurated by Hon'ble Minister, Electronics & Information Technology, Govt of Odisha, Shri Tusharkanti Behera. In his inaugural speech he emphasized on the use of Digilocker by Citizens to get its benefits. The other speakers on the occasion were Shri Manoj Kumar Mishra, Secretary, Electronics & Information Technology Department, Shri Rudra Narayan Palai, Special Secretary, Revenue & Disaster Management Department. A team of officers from National eGovernance Division (NeGD), Ministry of Electronics & Information Technology (MeitY), Government of India, and Shri B.P. Mishra, Sr Tech. Director, NIC, Odisha, presented different aspect of Digilocker and its integration with other applications like ServicePlus. Ms. Usharani Sahoo, Joint Secretary, Revenue & Disaster Management Department presented the integration of Digilocker in eRegistration System.

TechTalk

OpenStack Cloud Platform

OpenStack is a free and open-source cloud-computing software platform to provide self-services Cloud environment that controls large pools of compute, storage and networking resources throughout a Datacenter. OpenStack consists of multiple components, with a modular architecture, with various code names.

Nova (Compute): Nova is to manage and automate pools of computer resources. It is used to manage numerous virtual machines and other instances that handle various computing tasks. **Glance (Image Service):** It provides image services to OpenStack. Image refers to virtual instance/snap of hard disks used as templates for deploying new VMs. **Swift (Storage):** Swift in OpenStack decides where to store/back-up etc in a scalable redundant storage system. **Neutron (Networking):** It provides the networking capability for OpenStack. It is a system for managing networks and IP addresses. **Cinder (Block Storage):** Block storage component, analogous to the traditional access on a disk drive. Cinder provides persistent block-level storage devices for use with OpenStack. **Heat (Orchestration):** The orchestration component of OpenStack can store the requirements of a cloud application in a file. Defines what resources are necessary for the application. **Ceilometer (Telemetry):** It provides Metering and reporting and allows OpenStack to provide billing services to users. **Horizon (Dashboard):** The dashboard behind OpenStack provides administrators and users with a graphical interface to access, provision, and automate deployment of cloud-based resources. **Keystone (Identity Service):** It provides a central list of users/permissions mapped in an OpenStack services.

IT by Tea

..I don't remember who did it to this...but this is a strong supplement for today's growth on advance computing ...

Its an over statement that the 'Internet of Things', IoT, is the logical next step in an evolutionary process. The truth is that the technological building blocks of the IoT, including microcontrollers, microprocessors, sensors, and networking equipment are already in wide-spread use. They have become powerful, smaller and inexpensive to produce. The IoT, as we define it, simply adds one additional capability; a secured service infrastructure to this technology mix. Such a service infrastructure will support the communication and remote control capabilities that enable a wide variety of Internet-enabled devices to work together.

TONIC