Vol.1 No. 5 **May 2021**

MAY 11
NATIONAL TECHNOLOGY DAY
राष्ट्रीय तंत्रज्ञान दिन

Inauguration

Honorable Chief Justice of Chhattisgarh High Court inaugurated Virtual Court in Chhattisgarh

Chief Justice of Chhattisgarh High Court Justice P R Ramachandra Menon inaugurated the state's first virtual court on 20th March, Saturday and dedicated 18 newly-built court rooms in the New Court Building, Raipur through Video conferencing. This virtual court will deal with traffic challan cases of Raipur district and would be further extended to entire state of Chhattisgarh. It is aimed at eliminating presence of litigant in the court and adjudication of the case online.

While launching the project, the Chief Justice interacted with District and Session Judge Raipur through video conferencing and laid emphasis on successful implementation of the project.

Virtual Court Application is designed and developed by National Informatics Centre (NIC) under the guidance of e-Committee of Supreme Court of India under e-Court Mission mode project. Under this project cases received in the virtual court can be viewed by the judge along with automatic computation of fines on the screen.

"Don't be upset when people reject you. Nice things are rejected all the time by people who can't afford them."
                                         – *Unknown*

Launching

District Governance through mobile : Challenge for NIC District Centres

1. *Bijapur District* launches Samadhan Mobile App :

Samadhan mobile app developed by Mr. Aditya DIO-Incharge Bijapur has become a single reference point for registering grievances of citizen in the district. All complaints are collected and are marked to the concerned departments for speedy redressal, and status of such letters are monitored by collector during the weekly meetings. Once a complaint is reported to be resolved by the concerned department, the Samadhan team will also make a confirmation call to the applicant and will take the applicant's feedback. Since Bijapur is remote district with not so reliable network, NIC has designed the app in such a way that it can also work fine without any network connection. The app will be a powerful tool for the citizen to keep track of his/her complaints.

2. *Mungeli District* Launches 'मोर मुंगेली' Mobile App :

The मोर मुंगेली' app developed by Mr. Manoj Singh, DIO, NIC was launched by Mr. Padum Singh Alma, to give citizens access to better and faster citizen-centric services by bringing all government departments and their services on a single platform. The app is developed on android platform to provide information about schemes and services implemented by various departments like Education, Food, Panchayat and Rural Development, Revenue, Health, Labour, Social Welfare, Tribal welfare, Employment, Agriculture, Industries and Transport. The citizen will get the detailed information about the procedure, eligibility, documents required, location map of office and contact details of the officials through the app. The app is receiving good reviews and is downloaded more than 2500 times.

3. *Dantewada* launches Poshan Darpan Mobile App:

In-Charge Collector and CEO, Zila Panchayat Shri Ashwani Dewangan launched POSHAN DARPAN mobile app on 25th March 2021. Poshan Darpan is meant for Anganwadi Workers to maintain an e-register of children enrolled in their centre through a baseline survey form facilitated through the app. Every month the nutrition parameters (height, weight, vaccination Details) of children in Anganwadi Centre are collected through the app. The app automatically calculates the nourishment level in accordance with the WHO standards and pinpoints the severely / medium Stunted, Wasted and Underweight children. A dashboard visible to the user on the login shows the Stunting, Wasting and Underweight percentage calculated for the total children enrolled in that Anganwadi Centre.

ई-सगा (ई-श्रमिक आवा-गमन एप्लीकेशन)
e-SAGA (e-Shramik Aawa-Gaman Application)

Labour Department, being the nodal authority for welfare of workers, is supported by NIC Chhattisgarh with various online applications for effective management of movement of migrant workers and provide them help of Govt. of Chhattisgarh. An application named **"e-SAGA"** has been again released for the year 2021 to support and help migrant workers. This application gives facility for registration of migrant workers of Chhattisgarh working in different states of the country.

>>> **E-GOV Product**   **e-AWAS - Chhattisgarh Housing Board Computerization (https://www.cghb.gov.in)**

Chhattisgarh Housing Board (CGHB) is the main arm of the Government of Chhattisgarh for giving effect to its Housing Policy. The focus of CGHB is on implementing the Government's schemes under social housing. e-AWAS, the Chhattisgarh Housing Board workflow automation system facilitates sale of residential and commercial properties in a transparent and efficient manner.

Modules of **e-AWAS**:

- **Estate Management:** Estate Management module facilitates sale and management of properties and record keeping. The major features are registration of Beneficiaries, allotment of houses of various categories through online lottery, installment schedule preparation, fixation of payment, final allotment to investor and online payment ledger.

- **Accounts Management**: Accounting module facilitates records and processes accounting transactions within functional modules such as accounts payable, accounts receivable, monthly accounts and trial balance. This accounting information system is used to record daily voucher wise transactions, maintain account balances and prepare important financial statements like daily and monthly cash book, Trial balance, Income & Expenditure, Balance Sheet and various other reports.

- **Samriddhi Online:** This module facilitates citizens to search the vacant commercial and residential property of Chhattisgarh Housing Board. The property can be searched location wise, plot size wise, cost wise and model wise. The complete details of Layout, Building & Floor Plan, Sitemap and real time photographs can be viewed online.

- **Citizen Login:** Beneficiaries can avail the information of e-services like fixation details, project cost, payment schedules and payment ledgers in the citizen login of e-AWAS.

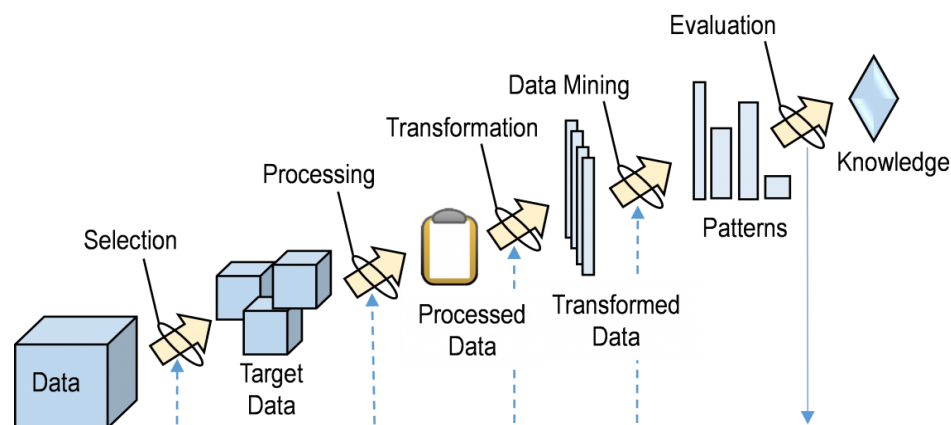**Awards and Achievements**

CSI Nihilent eGovernance Award 2017-18

Skotch Order of Merit Award 2018-19

>>> **TechNICa**   **Data Mining Using Python**

Data mining is the process of discovering predictive information from the analysis of large databases. Data mining requires a diverse set of skills and knowledge of many data mining techniques to take raw data and successfully get insights from it. A real-world example of a successful data mining application can be seen in automatic fraud detection from banks and credit institutions. Other applications of data mining include genomic sequencing, social network analysis, or crime imaging – but the most common use case is for analyzing aspects of the consumer life cycle. Companies use data mining to discover consumer preferences, classify different consumers based on their purchasing activity. Similarly, Governments can datamine the existing data to find out left-out citizens who are eligible for a scheme but missed out or to find out those who are enjoying a scheme benefits but their data shows they are not eligible. The data mining techniques generally used include Regression, Classification, Clustering, Association, Correlation and Outlier analysis. Python libraries Pandas, NumPy, SciPy, BeautifulSoap, Seaborn , Matplotlib, Plotly, Scikit Learn, PyCaret, TensorFlow, Keras, PyTorch are powerful open source libraries to implement data mining algorithms.

> **Resonance**   **eAuction India (https://eauction.gov.in) -** **A secure, transparent platform for conducting Electronic Auctions by Government**

NIC has developed a generic electronic auction (eAuction) platform to facilitate various kinds of online auctions. It is offered in Platform as a Service (PaaS) model and provides immediate on boarding facility.

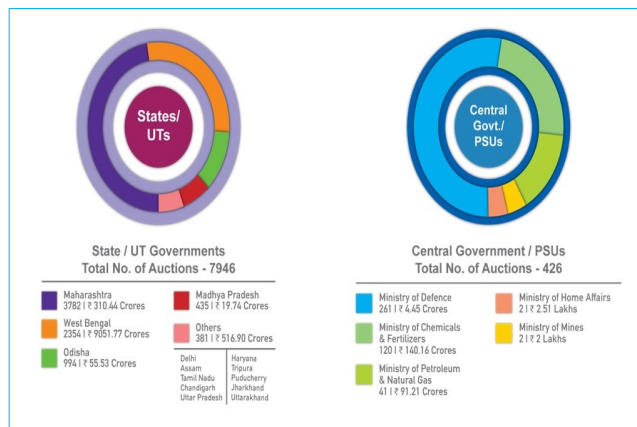### The platform facilitates

Sale and Purchase of Commodities
◊ Covers General Auctions carried out by Govt. departments
◊ Bidders / Vendors working with the Govt Departments can participate
◊ Department Scrutinises and approves eligibility to auction hall

Specialised Auction (Limited Auction)
◊ Department invites auction registration
◊ Empanelled / Pre Qualified bidders can only participate
◊ Auction is floated specifying eligibility criteria

Open Auction
◊ General public can participate
◊ Favourite Items are dynamically determined based on hits / trends
◊ Categories, Price Range, Top Selling, First to Bid, Social Media Interface

State / UT Governments
Total No. of Auctions - 7946

Maharashtra 3782 | ₹ 310.44 Crores
West Bengal 2354 | ₹ 9051.77 Crores
Odisha 994 | ₹ 55.53 Crores
Madhya Pradesh 435 | ₹ 19.74 Crores
Others 381 | ₹ 516.90 Crores
Delhi Assam Tamil Nadu Chandigarh Uttar Pradesh Haryana Tripura Puducherry Jharkhand Uttarakhand

Central Government / PSUs
Total No. of Auctions - 426

Ministry of Defence 261 | ₹ 4.45 Crores
Ministry of Chemicals & Fertilizers 120 | ₹ 140.16 Crores
Ministry of Petroleum & Natural Gas 41 | ₹ 91.21 Crores
Ministry of Home Affairs 2 | ₹ 2.51 Lakhs
Ministry of Mines 2 | ₹ 2 Lakhs

Features of e-Auction :
* Single product, configurable workflow with selective features.
* Facilitates Reverse/ Forward Auction, Single/ Multi Lot Auction.
* Configurable Automatic Evaluation Control (AEC) sheet with Automatic Evaluation with No manual intervention
* ePayment Module
* Live Auction Hall view to the Department, Auction Hall History
* Bidder Name can be configured as Show/ Mask/ Hide during Live Auction
* Complete transparency thru Auction Status in Public Domain
* SMS-Mail alerts, Auto Extension, Max Seal Percentage, Automatic Evaluation using AEC Sheet
* DSC / OTP Based Authentication

Auctions which have been successfully conducted are from diverse context like
♦ Goods (Timber, Trees)
♦ Forest Produce (Fruits, Tendu Patta, Honey)
♦ Liquor shops allocation
♦ Sand, Livestock
♦ Residential and Commercial Plots
♦ Shops by Mandi authorities / Metros
♦ Selling of Scraps (Vehicle / Electrical / Furniture)
♦ Allocation of Power
♦ Auction of Gifts /Mementos received by Hon'ble PM of India

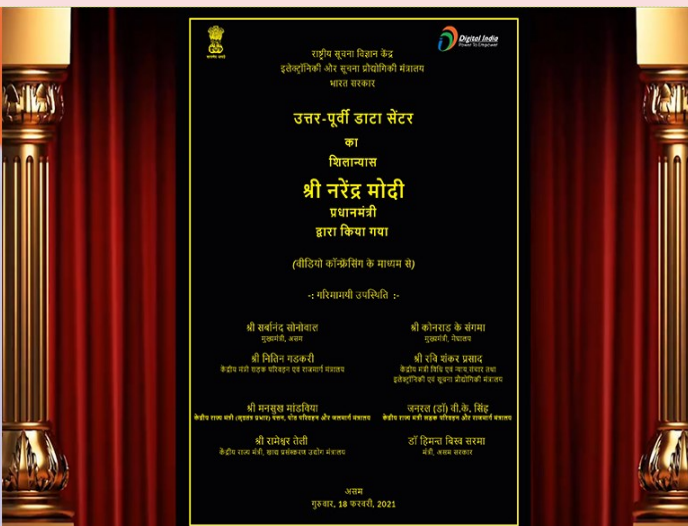> **Spotlight**   **PM laid foundation stone of NEDC at Guwahati**

The North East Data Centre (NEDC) at Guwahati -- whose foundation stone was laid by Prime Minister through video conferencing, will have state-of-the-art network and security operating centres, and the advanced facility is expected to catalyse the digital empowerment of the region.

The facility -- to be built at an outlay of Rs 350 crore -- will host the e-governance initiatives for the northeastern States and strengthen entire BPO ecosystem, startups and IT infrastructure in the region.

The National Informatics Centre (NIC) has been entrusted with the establishment of the North-East Data Centre (NEDC) at Guwahati, Assam.

The state-of-the-art data centre has been planned for initial capacity of 200 server racks, with space planning for an additional 200 server racks in future expansion, that will be cloud-ready, offering on-demand services. The network operating centre will monitor and manage the critical ICT infrastructure, ensuring 24x7 availability of services.

>>> **Launching**   **District Governance through mobile : Challenge for NIC District Centres**

4. *Gariyaband* Monitors Construction Works through WMS Mobile app :

Works Monitoring System (WMS) is a mobile app meant for monitoring the status of the different works done by construction agencies in the district. With the mobile app, the actual information about the status and location of departmental construction works can be monitored. Head of the works department will create works, and assign Inspection Officer for each work. Inspection Officer will visit the construction site and update the current status of the work along with real time geo-tagged photographs, which will be automatically reflected in the Mobile App dashboards of District Collector and HOD. This app is expected to provide an instant and real-time status of the work and will also help in timely completion of the works by alerting the concerned Head of the Department. **Collector Gariaband district, Shri Nileshkumar** *Kshirsagar has launched the mobile app developed by* **Mr.** Nehru Nirala DIO.

5. *'Anemia free Balodabazar'* - Mobile app launched in Balodabazar :

In the mobile app developed by DIO, Shri Satyanarayan Pradhan, the registered users i.e. the health workers (who are already mapped with respective hospitals and which are mapped with the concerned villages) will be able to enter the detailed data of anaemic patients for mapped villages with the hospital. The data will consist of Name, Father/ Husband's Name, Age, Gender, Mobile No, Village, Ward Name, Hb Level and Blood Test date etc. of each patient. The prescribed medicine details also will be entered, while providing the treatments to the patients. Once the Haemoglobin test is conducted the respective entries also will be made in the app.The Anemia survey data held within the year is being used for anemic patient's entry. Collector, Shri Sunil Kumar Jain has launched the app with an objective of making Balodabazar anemia free district.

6. *Kanker District* Develops 'NIC CAD' Mobile Application :

Collector and District Magistrate Shri Chandan Kumar, IAS launched 'NIC CAD' (NIC Connect Anytime Digitally) mobile application on 19th March 2021. Features of this app include creation of meeting agenda, minutes, action taken details and sharing of news and information anytime. This application has been designed and developed by Mr. P C Verma DIO, NIC Kanker District This application provides quick and genius information from the district administration. Till now more than 100 news items have been published within one month. Now there is a bridge between the civic and district administration and the generated information is passed on to the citizens without any delay. This application can be replicated for any district with a little configuration.

7. *Mahasamund* launches VHSND mobile app :

Mr. Anand Soni, DIO, NIC developed VHSND mobile app to serve as a platform for provision of preventive services to all sections of the population especially to marginalized and vulnerable communities and also monitor the execution of VHSND (VILLAGE HEALTH SANITIZATION & NUTRITION DAY) at grass root level as per the pre planned annual roster prepared by Health Department. The App will also help the citizen to view the VHSND calendar and notification published by Health department. VHSND is organized in every village once a month at the Anganwadi Centre in which health services are being provided to pregnant women by Health & WCD departments. District Collector Mr. Doman Singh has launched the app.

8. *Raipur* Starts Panchayat Monitoring Through Mobile App :

A mobile app for better Panchayat Monitoring has been developed by Mr. P.K.Mishra DIO, NIC and launched by Ms. Padmini Bhoi Sahu, Addl, Collector on 27.03.2021. To ease the monitoring, mobile app will be used as a tool to collect data from panchayat level by the deployed officers. Questionnaires designed specific to different departmental activities will be captured and entered by the officers real time on the spot using the app. A web based application has been developed to generate various reports as per need of the District Administration. Through the mobile app, the data from panchayats of eight departments will be collected viz. Revenue and Land records, Panchayat and Rural Development, Health, Women and child development, Food (Public distribution system), Public Health Engineering, Education and Agriculture.

9. *Dhamtari District* Releases NIC-DOTS Mobile App :

The 'District On the Spot information getter application; (NIC-DOTS) was designed and developed by Sh, Upendr Singh Chandel, DIO, NIC District Centre Dhamtari. The DOTS app was launched by Collector Sh. Jai Prakash Maurya, IAS on 24/03/2021. Collector told that the DOTS app is very useful for citizens to get important information issued by district administration from time to time. The DOTS Application fetches the important data of various government departments like Health, Education on recruitment, Events and other announcements.

STAY HOME STAY SAFE