

#### Vol.2 No. 4

Happiness is not the absence of problems, it's the ability to deal with them.

~Steve Maraboli



Hon'ble speaker CG Vidhan Sabha Dr. Charandas Mahant, launched e-Prashna and e-Uttar Application

#### Happening

## e-Prashna & e-Uttar Portal Inauguration on 07-03-2022

E-Prashna & e-Uttar portal of Chhattisgarh Vidhansabha team for implementing it. Vidhansabha developed and hosted by NIC Hon'ble Chief Minister Shri Bhupesh Baghel, Chhattisgarh, was inaugurated by Hon. Hon. Leader of opposition Shri Dharamlal Vidhansabha Speaker Dr. Charan Das Mahant Kaushik, Hon. Shri Manoj Singh Mandavi, at Chhattisgarh Vidhansabha on 7th March Deputy Speaker of Legislative Assembly, Hon. 2022, on the occasion of commencement of Legislators and Principal Secretary of budget session.

Vidhansabha Speaker application in a press release describing its present on the occasion. benefits, how this application is environment Total 1500 Online questions received from 52 friendly saving time and resources of hon'ble MLAs using e-Prashna module. After stakeholders in submission of questions scrutiny total 1363 questions accepted and meant to be asked during question hour of sent to the concerned department for online the Vidhansabha, online in pre-approved reply. 100% answer submitted using e-Uttar timeline and format. He also praised NIC and Module by the departments.

Legislative Assembly, Shri Chandra Shekhar appreciated this Gangrade along with the NIC team were also

#### Awards/Accolades

#### e-Filing portal of CSERC

**Digital Technology Sabha Awards 2022** 

#### **Post-Matric scholarship Portal of Tribal**



The e-Filing portal of Chhattisgarh State The Electricity Regulatory Commission (CGSERC) which aids the common public in online filing of petition, won the award under Enterprise Application category.

Shri Hemant Verma, Chairman of the Chhattisgarh State Electricity Regulatory Commission received the award in the presence of other prize-winning officials. Dr. A. K. Hota (DDG & SIO) joining on the occasion congratulated the project team including Sh. Satyesh Sharma, Technical Director, Sh. Saurabh Dubey, Scientist-C, Smt. Jyoti Sharma, Scientist-B from NIC and Sh. Rajesh Dewangan from development team.

Post-matric scholarship portal of Chhattisgarh Tribal Department which aids the categorized students of various graduate and post graduate degree / diploma courses in filing application for scholarship and involves all process up to transfer of scholarship in their bank accounts, won the award under Enterprise Application category. Shri Satyesh Kumar Sharma, Technical Director, NIC Chhattisgarh receiving the award briefed about the product in the presence of other awardwinning team members including Sh. Saurabh Dubey, Scientist-C, Smt. Jyoti Sharma, Scientist-B of NIC, Sh. Saurabh Verma and Ms. Saziya Tabassum from development team. Dr. A. K. Hota (DDG & SIO) joining on the occasion congratulated the whole team.



A two days NICSI empaneled Service Partners' Meet held at NIC State Center Chhattisgarh on 9<sup>th</sup> and 10<sup>th</sup> March 2022

A two days NICSI empanelled service partners meet was organized at State level by NICSI Chhattisgarh with the Project Coordinators of NIC Chhattisgarh and their supporting technical officials on dated 9<sup>th</sup> and 10<sup>th</sup> March 2022 at NIC State Centre, Chhattisgarh. The aim of this meet was expansion of services, business of NICSI in



the State and looking for new area for services and business, exposure on emerging technology and new products launched by NICSI. It was aimed to know about various provisions and facilities



Dr. Ashok Kumar Hota, SIO, NIC Chhattisgarh addressing the meet

for outsourced personnel available deployed by service partners and resolution of pending issues, if any, with service partners.

The meet started with the welcome note by Shri Satyesh Kumar Sharma, DGM, NICSI Chhattisgarh followed by introduction of NICSI Service Partners.

The meet was addressed by Sh. Prashant Kumar Mittal, MD, NICSI, Dr. Ashok Kumar Hota, DDG and SIO NIC Chhattisgarh, Sh. Sajjad Akhatar, GM, NICSI, Sh. T. N. Singh, STD and ASIO, NIC Chhattisgarh.

## The InfoNIC

#### eGOV Product

#### **CHHATTSIGARH LEGISLATIVE ASSEMBLY: E-PRASHNA PORTAL**

e-Prashna Portal for Chhattisgarh Vidhan sabha developed by NIC, Chhattisgarh was launched for use by Hon'ble MLAs and Vidhan sabha secretariat on 01.02.2022. This portal facilitates Honourable MLAs, to submit questions online which are to be asked by them from the government during the question hour of that session and the Vidhan Sabha administration to further the auestions various allocate to departments of state government.

Various roles interacting through this portal are:

- Hon'ble MLAs
- Vidhan Sabha prashna shakha •
- Parliamentary Affairs Department Departments of state government and their sub offices

#### Process cycle:

- Vidhan Sabha administration issues  $\Diamond$ notification for start of session at least one month in advance mentioning in it • the starting dates, end date and department wise directory for receipt of questions on a particular date.
- Masters data of MLAs and other basic  $\Diamond$ information are updated on the portal by the Vidhan Sabha admin staff.
- $\Diamond$ Prashna shakha or the question branch of Vidhan Sabha receives the questions online through the portal. There is  $\blacklozenge$ provision to accept offline questions also as an alternative, which is later on entered in the portal by question branch
- $\Diamond$ Questions received online are scrutinized • by the branch on various parameters, and if accepted MLAs received timely



intimation. Accept /rejection reason status and other details can also be checked through portal dashboard

 $\Diamond$ Accepted questions are then allocated to respective state departments from where they are sent to • reply processing.

#### Special Features of the portal:

- Feedback/ grievance mechanism for issues raised by MLAs
- Interactive dashboard for getting sought after information at the first look.
- Frequently asked informative reports for easy record management by the Vidhan Sabha administrative staff
- SMS/ E-mail alerts to students/ nodal authorities at various stages.
- Responsive web design
- CERT-IN guidelines

compliance of web security validations and parameters.

#### Upcoming features:

Various other features are under process and government will be launched soon:

- DSC/ Aadhar based e-sign integration.
  - Intelligent chatbot implementation for added help.

Smart dashboards for frequently viewed statistical info.

SCQA website certification compliance.



TechNICa

#### Drone Technology in e-Governance

The term IoT, or Internet of Things, refers to A typical IoT system works the collective network of connected devices through the real-time collection and the technology that facilitates and exchange of data. An IoT communication between devices and the system has three components: cloud, as well as between the devices Smart devices are devices like a themselves. Thanks to the advent of television, security camera, or inexpensive computer chips and high exercise equipment that has bandwidth telecommunication, we now have billions of devices connected to the internet. means everyday devices like This toothbrushes, vacuums, cars, and machines can use sensors to collect data and respond intelligently to users.

The cost of integrating computing power into small objects has now dropped considerably. A whole industry has sprung up with a focus on filling our homes, businesses, and offices with IoT devices. These smart objects can automatically transmit data to and from the Internet. All these "invisible computing devices" and the technology associated with them are collectively referred to as the Internet of Things.

been given computing capabilities. It collects data from its environment, user inputs, or usage patterns and communicates data over the internet to and from its IoT application.

communicated back to the IoT device and the

IoT device then responds intelligently to

inputs.



devices In eGovernance applications also, the An IoT application is a collection of services role of IOT is day by day increasing. Industries and software that integrates data received are using IoT generated data to monitor the from various IoT devices. It uses machine health of equipment. learning or artificial intelligence (AI) Metrological measurements and water level technology to analyze this data and make data of irrigation canals would automatically informed decisions. These decisions are come without manual intervention.

नोट : विभागों को भेजी गयी कल प्रश्नों की सचनाएँ "1363'

NIC is capable of building IoT based applications for the state government, provided the supplier of IOT devices is A graphical user interface to manage the IOT selected from private sector.

## The InfoNIC

Spotlight Understanding Low-Code No-Code (LCNC) Platforms (Excerpts from the Blog of Shri D.C.Mishra, Dy. Director General)

#### Background

face per Shri D.C.Mishra,

**Dy. Director General** 

The IT-enabling units of most organizations tremendous pressure to develop and deploy software applications rapidly as end-user expectations. New software

developments are often put on hold or delayed simply because of shortage of skilled them, and watch what occurs. In effect, it resources and a backlog of operations and maintenance work. Developers of all hues less time than ever before, and because use. developer talent is in short supply, Advantages of LCNC organizations must equip their existing LCNC promises several advantages such as: developers with tools and platforms. When i. compared to traditional approaches, low- ii. code platforms simplify, speed, and lower the iii. cost of application development, which is particularly tempting to the IT functions. Business teams/Client can design their own applications using a low-code/no-code approach. Professional developers may perform jobs two to three times faster with these technologies than with typical developer tools. Low-code technologies also iv. allow business users and developers to focus on their area of expertise thereby reducing friction.

#### Advent of LCNC

Low-code and no-code development platforms are tools for people who either do not know how to code or have no time to code. Whereas these low-code and no-code vi. Lower IT Infrastructure needs frameworks are built on actual coding vii. Increases Efficiency languages like PHP, Python, and Java, end viii. Efficient Governance: users are not concerned with the specifics. Instead, they are given visual software development environments where they can drag and drop program components, link ix. Easy to understand: Low-code and no- objectives and needs.



may be utilized as a familiar wizard-style paradigm to build, test, and even deploy are expected to provide more applications in apps that are totally focused on simplicity of x.

- Faster Development and Launch Cycle
- Degree of Freedom.
- Tenancy Extension: There is a possibility that some peculiar needs remain unaddressed by the platform framework and hence platform must support provision of tenancy extension in easier way using some scripting language to tweak the behavior of LCNC platform to meet peculiar needs.
- Promotes Innovation: Developers can use LCNC to demonstrate their ideas quickly and can be ramped up during implementation
- v. Customer Experience: Low code allows easy integration with numerous services more quickly, maintaining a uniform omnichannel experience.

- decreases reliance on third-party apps for quick fixes and allows for a collaborative Ultimately, the decision to use a LCNC work environment.

code platforms are easier to understand and thus, easier to identify configuration/ script bugs and fix them.

Increased Agility: LCNC development tools help speed up deployment of an almost endless set of requirements more rapidly with little risk.

#### **Disadvantages of LCNC**

On the flip side, LCNC platforms have a few disadvantages as well:

Reduced flexibility: LCNC solutions and plugins have built-in functionality and is not always easy to fulfill related requirements.

Security and risk: LCNC platforms rely heavily on their platform providers (for products acquired from the vendors) to mitigate IT risks and security flaws as the application providers do not have any control over the source code. If these platform providers discontinue services, no security updates would be available, and applications will be unable to fix them. Moreover, businesses relying on LCNC providers risk their data and systems being exposed and vulnerable to security breaches.

Vendor lock-in: Applications using a specific LCNC platform for their IT solution, makes it Low code difficult for them to switch to a different platform.

platform depends on each business's

#### Resonance

## Launching of Drugs Free Assam Mobile App developed by NIC

by Shri Bhaskar Jyoti Mahanta, DGP, Assam Police on 10th December 2021 in presence of Director General - Narcotics Control Bureau. Drugs Free Assam is a public-facing mobile app to allow anybody to report any suspicious activity/person regarding drugs to the police. The app has the categories to report to police by public of the following illegal activities -

- Incoming/Outgoing Shipment of Drugs •
- Storage of Drugs
- Usages of Drugs •
- Selling of Drugs
- **Promoting Drugs**
- Others (Anything related to drugs not in the list)

Drugs Free Assam Mobile App was launched Through this app, anybody can inform about suspicious persons or events with photographs along with GPS coordinates.

The informer has to verify his mobile for the first time using the app. After the mobile number is verified, the citizen can directly report any suspicious activity or event.

The app also has some informative content like De-Addiction/Re-habitation Centres of Assam, Harmful Effects of Drugs, how to identify drug users, Major Facts about Narcotics Law, and some advice for Parents, Students and Teachers. Contact details of Assam police and Nasha Nivaran Helpline No are also provided.

# The InfoNIC

#### **District in Focus**

#### Durg - The Industrial centre of Chhattisgarh

Durg: Situated on the east bank of river Shivnath, District Durg is herald of Chhattisgarh's Industrial Development, Cultural competence, Social harmony and Meaningful use of resources. It is a symbol of status, prestige and glory of Chhattisgarh. History of Durg is like conducive inspiration which is unique mixture of oldness and modernity, culture-rite and entrepreneurship. Bhilai known as "Mini India" for Industrial development, social harmony and cultural diversity is a twin city of Durg.

Special IT support during Outbreak of India and a website named "कोविड Pandemic COVID-19: NIC District Centre Durg had made several ICT contributions to District Administration during lock-down of the District due to Covid 19 in dealing with



the situation. For health department, Dashboard and Mobile App of Rapid Anti Body and RT-PCR Test was implemented in the District. The Arogya Setu reports which shows hotspots of the spread of Covid 19 in the district were made available daily to the district administration, Health department and Urban bodies. Occupancy status of beds available in various hospitals identified for treatment of Covid 19 in the District was uploaded daily in the District Website for the information of common citizens. During lockdown several IT initiatives were taken by the District Administration like a website was designed for registration of students to bring them back from all over the country who were trapped in other districts throughout like CPGRAMS (Centralised Single Window Coloniser System, e- elections.

About NIC District Centre: NIC District Prosecution, Godhan Nyaya Yojna, e-Centre Durg has been playing a major Kosh, Paddy Procurement System, Letter role in implementation of various Monitoring System, Suposhit Durg etc. Central, State and District level projects Apart from Video Conferencing and Public round the clock internet services to all Grievance Redressal and Monitoring the offices in the Collectorate Campus. System), Arms Licensing System, Vahan NIC renders IT support and services to & Sarathi, Bhuiyaan & Bhunaksha, eKosh, District Administration during Lok Sabha, Revenue Court, eHospital, Janchaupal, Vidhan Sabha, Panchayat and Local Body

अन्ग्रह राशि" was also developed for creation of database of applications received in response to Covid Anugrah Rishi, for distribution of exgratia to relatives of person expired due to Covid 19.

District Portal: Bilingual website of district is hosted on S3WaaS platform.

The District website is a single point information source to access important information about the District, and it provides latest information related to the ongoing government programmes, circulars, proceedings, general orders, recruitment and tender notices etc.

Urban Body Election 2021: Developed online web application named "Employee Database" to perform Employee Database Creation, Polling Party and Counting Party formation and its Randomisation for urban body elections'2021.

Suposit Chhattisgarh Yojna: To bring the percentage of moderate and severely underweight children to a minimum level, Suposhit Chhattisgarh Yojna is started in all the 1502 aganwadi centres of Durg district in the month of Sep' 2019. A web based online software (http://cg.nic.in/durg/wms5) was designed to monitor the scheme and provide additional nutritious food and essential medicines to the targetted children so that they become well-nourished in short time. Integrated Road Accident Database (iRAD):

19 Training & handholding support has been given to all users from Police, Transport, Health and Public Works Department. 633 accidents are recorded in iRAD by Police Department. 83 motor vehicle inspection requests received by ARTO, Durg and 30 road inspection requests received by PWD, Durg have been recorded in iRAD.

Paddy Procurement: This project is fully implemented in Durg district and 95699 farmers have been benefitted in the process. 417096.84 Ton paddy has been procured at 94 Unarian Centres

In Centralised Public Grievance Redress and Monitoring System (CPGRAMS) 1391 applications have been disposed out of 1457 applications received.

Single Window System for Colonizer Licence have been implemented in Durg District, 48 applications submitted by colonizers have been processed by department of Housing and Environment.

eProsecution: NIC Durg has extended all support to District Prosecution Office to play a meaningful role in the justice delivery by

prosecuting criminal cases smoothly and transparent way. All the Public Prosecutors have been trained to use the software for information flow from FIR data, legal opinion to integrate with e-Courts software. So far 789 cases have been handled successfully.



Lal Bahadu Singh District Informatics Officer Durg

#### Awards/Accolades

#### **Digital Technology Sabha Awards 2022**

### "Innovative Assessment Tools – NICler and TelePractice"



भारत सरकार

**GOVERNMENT OF INDIA** 

NICler is to conduct Multiple Choice Questions (MCQ) based guiz in a normal class room and capture answers of the students, without any electronic device in the hands of the students and TelePractice is to conduct oral assessment. The tools have been recognised by Digital Technology Sabha Award 2022. Mr. A.K.Somasekhar Scientist 'F', Ms. Lalta Verma, Scientist 'B' of NIC and Mr M. Sudeesh from Samagr Siksha have received the award in Online mode.

MICISI

Digital India

NIC

इलेक्ट्रॉनिकी और सूचना प्रौदयोगिकी मंत्रालय MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY