

Chhattisgarh State

Digital Empowerment for State Administration during COVID-19 and beyond

NIC Chhattisgarh plays a vital role in the ICT enablement of the state government. During the COVID-19 pandemic, as has been always, NIC has tremendously supported the state government to act in a brisk and effective manner to counter the ill effects, and help the people adapt to the new normal while ensuring the uninterrupted government business and public service.

Carved out of the erstwhile Madhya Pradesh, the Chhattisgarh state came into being on the 1st November 2000. It is the 10th largest state in India in terms of area. The state is blessed with abundant natural beauty, waterfalls, rivers, caves, and vast forests with a variety of wild life as well as diamond, iron, coal and bauxite mines. The ancient temples and structures dating back to 5th century A.D. are the surviving symbols of the state's glorious history and rich culture.

ICT Initiatives in the State

CORONA Guidelines, Govt. of Chhattisgarh

The portal (<http://gad.cg.gov.in/cgcorona/>) as a single source for all government circulars and information regarding SOP to handle the current COVID-19 pandemic was developed which is accessible to all departments and public as well. The portal facilitates state as well as district officials to upload relevant circulars on the portal.

COVID-19 Monitoring System

The System is used to monitor admission of Covid-19 positive patients either in identified hospitals or in Home Isolation. Facility is provided for common man to get the sample test report on line. Till date about 21 lakh SMS have been sent to the people of Chhattisgarh and around 5 lakh people have downloaded their test report.

Statistics as on 5.12.2020

• Total Tests	2500000
• Total Admissions	242418
• Total Hospitalized	99225
• Total Home Isolations	140252
• Total Discharged	220177
• Total Death	2941

Features

- Analytical Dashboard and District/Hospital/ Lab wise Hospital Admission, Discharge /Death Report
- Home Isolation and Referred Patient Report
- Daily report of total test conducted
- Bed availability in Covid-19 Care Center
- Online Test Report and Test Report through SMS
- Linked with Central ICMR Portal

State Govt. is issuing COVID-19 pandemic daily Media Bulletin based on data available in this portal. Districts are generating various reports on hospitalisation and Home Isolation data.

Photo-walaTracker: Quarantine Centre Monitoring System

For Individual surveillance and tracking of home quarantined individuals during the COVID-19 crisis, District Mahasamund has deployed an ingenious mechanism, which integrates the efforts of field level health staff with an online, simple-to-use facility.



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Chhattisgarh government launched “Rajiv Gandhi KisanNyayYojna” in which four thousand five hundred crore rupees were transferred to the needy farmers, so that they could arrange the seeds, fertilizers and other items for the next season. Similarly, in order to deliver free ration to stranded migrants under “AtmaNirbharYojna”, an App has been launched with the help of NIC. Also launched were web page and registration portal whereby migrants can register themselves to provide details of their family members and get free ration. We appreciate the support of NIC Chhattisgarh throughout to make the initiatives a success.



KAMAL PREET SINGH, IAS
Secretary, Food
Govt. of Chhattisgarh

Tracking persons with foreign, inter-state as well as intra-state travel history, Home quarantining them as per established protocols, followed by photo of daily visits by field level health staff etc. were captured. Shelter Camp Monitoring is facilitating tracking of Govt. and Private shelter camps, Capacity, Minimum Basic Facility, Ration provided and uploading of Daily Inspection Photo. Given the risk assessment, all the Home Quarantine persons have been included in the daily photo tracking system.

District Containment Plan and Quaiso Tracker Mobile Application

Dhamtari District developed the GIS based Containment plan which was effectively used in more than 20 Districts of Chhattisgarh. District Containment Plan has Geo-referenced maps of Hospitals (Govt. & Private) built on Arc GIS platform.

District containment plan contains:

- Logistics details i.e. Medical equipment available



Chhattisgarh government wishes to compliment for the support and assistance rendered by the team NIC during the COVID-19 unprecedented situation as well as lockdown period. In numerous ways Chhattisgarh government Labour department has reached out to the stranded migrant workers throughout the country and this was all Possible for prompt and laudable support and action as well as an untiring effort of NIC Chhattisgarh. They were more than willing to support us. I wish the team all the very best in future.



SONMONI BORAH, IAS
Secretary, Labour
Govt. of Chhattisgarh

up to PHC, CHC, SHC level.

- Manpower availability
- SOPs and Health advisories issued by ICMR and State Health Department.

Based on the District Containment Plan, a mobile application was developed to keep records of 403 Quarantine centers and home isolated people within district.

Online donations for Chief Minister's relief fund

To accept the online payment through various

modes, NIC Chhattisgarh has designed an online portal powered by ServicePlus during first lockdown and was launched on 2nd April 2020. The site offers various payment modes like UPI, Net banking, Credit Card, Debit Card and branch payment.

- Total Donations Received Rs. 29,65,301.00
- No. Of Donors 471

Mobile app for free food distribution monitoring

A Mobile app was developed for the Social Welfare department, to collect the online information of free food distribution in the state to the needy and homeless persons during the Covid-19 outbreak. The distribution was carried out by the department in all districts and blocks of the state. The app facilitates the district officials to feed the information of the location of the food distribution, number of persons benefitted along with the photographs.

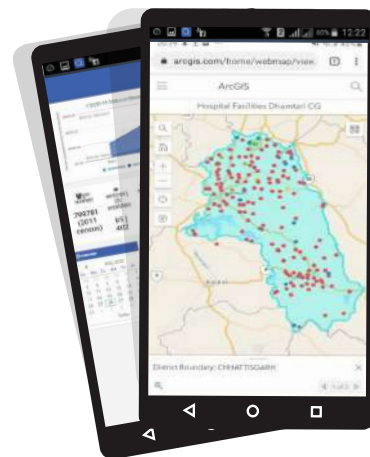
- Total No. of Food packets Distributed 13,16,669

e-SAGA (e-Shramik Aawas-Gaman Application)

Labour Department, being the nodal authority for welfare of workers, was supported by NIC Chhattisgarh with various online applications for effective management of movement of migrant workers. e-SAGA supported migrants to provide their travel requests to enable department to arrange train facility for them. Module was also developed for keeping record of all migrant workers coming through different trains to Chhattisgarh from other states.

- Persons registered to arrive in Chhattisgarh 2,96,902
- Person registered depart from Chhattisgarh 22,739
- Number of trains organised 86
- Number of passengers commuted 1,09,389

Relief Camp Entry Module was developed to keep record of all workers who stayed in the relief camp established by Government and NGOs. Workers were categorized in two formats i. Workers Stayed in relief camps (Format-A) and ii. Workers stayed in Camps organized by factory owners and by contractors (Format-B). The Call Center Helpline Module was developed to collect problems and complaints of workers related to food and shelter etc.



▲ District Containment Plan and Quiso Tracker Mobile Application

RojgarSangi Mobile App

The mobile app along with Chhattisgarh State Skill Development Authority (CSSDA) portal facilitated the skilled people looking for job and also the Employers to get registered and be connected based on the skillset mapping. Both the applicants and employers have the facility to send messages to each other through the app itself.

- Total Workers under Format-A 6308
- Workers under Format-B 27481
- Registrations through CSSDA portal 96902
- Registrations through App 21631

Padhaayi Tunhar Dwaar

NIC, Chhattisgarh worked with the Department of School Education to continue educational activities during the pandemic by developing cgschool.in portal and Mobile App under the project "Education at Doorstep". The site was inaugurated by Hon'ble Chief Minister of Chhattisgarh on April 6th, 2020 and became an immediate success with more than two lakh teacher registrations and 24.52 lakh student registrations. 'Education at Doorstep' is a comprehensive academic cycle management system which includes text book delivery, lecture videos for each chapter, online classes, assignments for each student, student homework management and student doubt clearance.

▼ CORONA Guidelines web page



▼ COVID-19 Monitoring System web page



IGKV's Student App e-KrishiPathshala

The App facilitates students of Indira Gandhi KrishiVishwavidyalaya (IGKV), to carry out learning activities online in the prevailing pandemic times. Faculty members can upload study materials (in Hindi & English), Assignments, video lectures, create examination question papers and fix exam schedule. They can also evaluate assignments, answers and record the marks for each student. They can also respond to student queries.

Students on the other hand can view the video lectures of their courses uploaded by the professors of their college as well as other colleges affiliated to IGKV. They can download assignments, appear for exams online at specified time and upload the answer papers. They can post their queries regarding any topic pertaining to their registered courses and get the responses of the concerned professors. Mock test facility has also been provided to enable students prepare for the examinations.

E-Counselling module

The system aims at streamlining the admission process during Covid-19 period in all phases of counseling and Post counseling of IGKV while providing 100% transparency in the entire process. Seat allocation is done as per the merit, reservation policies and choices exercised by the candidates in IGKV. For UG, PG & PhD, the candidates have to apply online for counseling and deposit the fees through SBI payment gateway to finally seek their admission as per the rules.

Integrated Management Information System (igmis)

(<https://igkvimis.Cg.Nic.In>)

IGMIS was conceived as a framework incorporating fully digitized solutions for all activities of Indira Gandhi Krishi Vishwavidyalaya (IGKV), Raipur. It is a web-enabled, role and work-flow based ERP solution for IGKV to accomplish activities like counselling, education, examination, research, extension, establishment, finance, web portal etc. This integrated system enables e-Governance in 31 Colleges, 8 Research Station, 20 KVK situated in most remote places of Chhat-

tisgarh. It is highly beneficial for students, employees and farmers of Chhattisgarh. IGMIS MOBILE APP IGKV introduces the next generation experience to enhance quality and effectiveness of education and learning on favourite mobile/ tablet devices. It provides access to student profile, registration card, fee receipts, result notifications and an employee corner.

Home Valuation Module for CGBSE

Chhattisgarh Board of Secondary Education, Raipur (CGBSE) needed to evaluate the answer sheets of High School and Higher Secondary School Examination for academic year 2019-20. Due to COVID-19 pandemic NIC, Chhattisgarh has provided solution to evaluate answer sheets by teachers from their homes. For this, teachers were provided login-id so they can enter required details for Home Valuation. Valuation officer could maintain the stock of answer books categorized on subject and class. Detailed instructions and OTP based profile features are provided on the portal. The valuation module facilitated the department with ease of use and safe to work pattern. Comprehensive dashboard is provided to all 29 valuation offices/ districts and Head Office.

- Total teachers registered 7492
- Total answer sheets evaluated 3377328

Monthly Assignment Module

CGBSE has started online streaming of classes for students of 10th and 12th Class. NIC Chhattisgarh has developed monthly assignment module for students based on which teachers can evaluate student's progress. This web-based system provides a comprehensive solution to manage and enhance the assignment and marks entry of every subject in every month.

- Total students marked for assignment 8,28,992
- Total assignments submitted
 - Sep 20 4357654 (94%)
 - Oct 20 3989252 (86%)

Immigration Visa and Foreigners Registration & Tracking System (IVFRT)

Online C-Form module of the system was utilized for generating details of foreigners staying in different Hotels, Guest Houses etc. Online Registra-



Individual surveillance and tracking, of home quarantined individuals during the COVID-19 crisis, in as non-obtrusive a manner possible, while maintaining the integrity of daily home-visits by a health worker is a good and effective practice initiative by District Mahasamund with the help of NIC District Centre in Chhattisgarh.

KARTIKEYA GOEL, IAS
Collector & District Magistrate
Mahasamund

tion, Visa Extension, Exit Permit and other services continued without any hindrance during COVID-19 lockdown period. Online service certificates were rendered to applicants through email. IVFRT system helped in Inter-country movement of stranded foreigners.

Inter-operable Criminal Justice System (ICJS)

ICJS portal was accessible to all the police stations of state during lockdown period for dynamic searching and integrated view of ICJS pillars database. e-Forensics Application under ICJS project was in continuous use in Forensic Science Laboratories for registration and monitoring of the cases.

▼ Padhaayi Tunhar Duvar web page



पढ़ाई तुंहर दुआर
cgschool.in

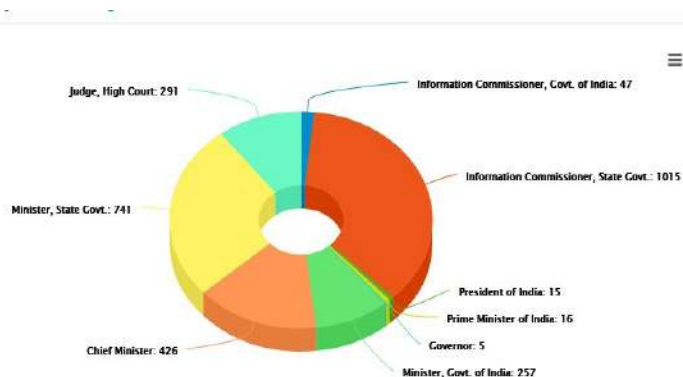
ACADEMIC CYCLE

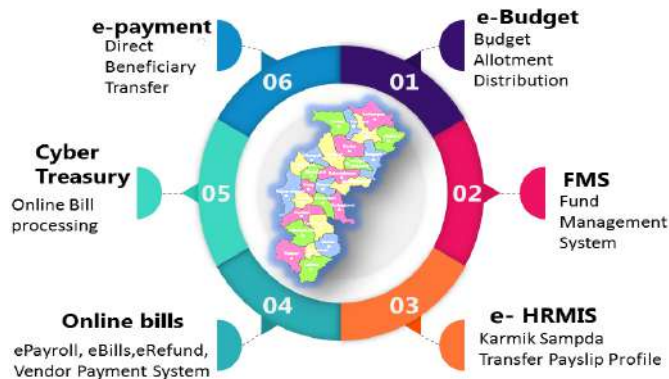
- 1. Textbooks
- 2. Course material
- 3. Online Classes
- 4. Assignment
- 5. Doubt Clearance
- 6. Practice Questions
- 7. Assessments

• Twenty Five lakh Students
• Two Lakh Teachers

Content on the portal **Online Classes 16,79,971**

▼ Video Conferencing meetings Report





▲ ISFMS Services



▲ Components of Excise

Video Conferencing Services

Chhattisgarh is in the 4th position among top 10 states in average Studio utilization during Covid-19. NIC CG provided extensive Videoconferencing facility support from 28 districts and 22 studios of Govt. offices at Raipur which includes Raj Bhawan, CM office, Mantralay etc. VC of Hon'ble CM with Hon'ble Prime Minister and Hon'ble Governor with Hon'ble President were organised regularly during COVID-19.

- Total number of studio based VC during lockdown 1600
- Total Studio participated 71
- Desktop VC 600
- Number of Sites participated 13609
- Total Site hours 19267

NKN Connectivity

NKN Connectivity at Universities/Institutes played a vital role during Covid-19. Also keeping the network up was a big challenge for NIC as most of the officials were working from home. 24/7 roster was prepared to monitor the links for smooth connectivity.

Indira Gandhi Krishi Vishwavidyalaya (IGKV) : Scientists of University using NKN connectivity could prepare more than 100 research papers and submitted for publications.

Indra Kala Sangeet Vishwavidyalaya, Khairagarh : Most of the foreign students were stuck in the hostel s during lockdown and they regularly used NKN link.

All India Institute of Medical Science (AIIMS) : NKN connectivity made the social distancing possible. Covid-19 portal of AIIMS, Raipur was extensively used.

eKosh

Integrated State financial management system (ISFMS) is an IT-based budgeting and accounting system that manages spending, payment processing, budgeting and reporting for governments and other entities. Components include computerization of Treasuries, eBudget, KarmikSampda, ePayroll, ePension, ebill, vendor Payment System, Pension and Cyber Treasury.

Seamless operations of Treasuries during Covid-19 period

NIC CG provided the facility to Treasury Officials for work from home using OTP-Based authentication in cyber treasury application. DDOs prepared the bills and sent the scanned copy to Treasury. The new option of voluntary contribution was enabled in the e-payroll module and a provision was made to deposit the said amount in the CM Relief Fund under the Cyber Treasury. Budget was uploaded for the new financial year and the budget distribution module was opened for budget controlling officers.

Excise

e-Excise is a strategic administrative reform ini-

tiative of Chhattisgarh State Excise leveraging state-of-the-art modern technology to provide end-to-end solution in workflow based manner. It comprises of Automated Supply Chain Management for excisable goods, Tracking duty evasion by generating a 360 degree profile of the Excise Licensees, Issue Permits & Passes for movement of excisable goods, Pendency checker for tracking process pendency at all hierarchical levels.

ERP Solution for C.G. Text Book Corporation, Raipur

Intelligent & Integrated Book Printing & Distribution Process Management System has been implemented covering Online Tender Management with respect to paper supplier/Paper Mill, Printer, Transporter, and Paper Depot, Book Depot Management. Printers Window facilitates tender login, paper Demand generation, Challan generation for dispatch of book as provided by distribution section. Book-seller can register and buy books online. Automatic discount is applied depending on the order quantity. Keeping Covid-19 situation in view, eBook (Online Flip book) facility has been developed which requires less bandwidth to load the book page by page for reading by the school students.

Beneficiaries of the solution

- 5161958 Students
- 4720 State Govt. High Schools
- 2662 -Cluster of Schools

▼ ERP Solution for C.G. Text Book Corporation

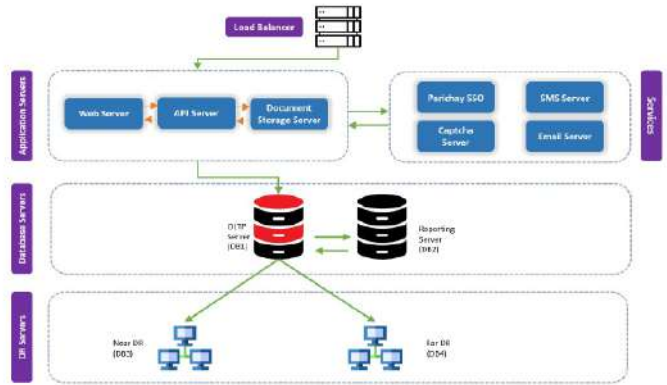
▼ Key features of Single Window System



Continued on Page 33



▲ Hon'ble CM Launching AWAAS



▲ eManeC portal Architecture

- 6154-Private Schools
- 25 -Printers
- 180- Book seller
- 10 -Transporters
- EBooks views : 154K Users on 362K Sessions
- 6 Book Depots,1 Paper Depots & Head office are online
- Books sold online of Rs 6607548.15

AWAAS - Online Single Window Approval of Residential Colonies

AWAAS' is a Single Window System developed for approval of residential colonies. Land Diversion Certificates, Approved Documents and Permission for Colony Development will be issued within 100 days which was earlier taking more than a year time. All the required documents can be submitted online and the concerned departments will issue the No Objection Certificates for approval of Colony development permission. Applicants will be able to track the status of their application online and will get alerts through SMS.

Other Major Supports

NIC, Chhattisgarh extended support to the Department of Food to implement Pradhan Mantri-GaribKalyanYojana to help 57,65,935 families. Department of Agriculture implemented Rajiv Gandhi KisanNyayYojana to transfer Rs. 4,500 crores to 18 lakh farmers.

During pandemic, with a view to reducing the footfall at RTO offices online citizen services were started whereby Vehicle owners could apply for Temporary and Special Permits, download auto approved Permits, apply for renewal of permit and duplicate permit without having to visit RTO office.

MITANIN Incentive Online Payment System for Asha Worker Chhattisgarh

Mitanin Incentive Online Payment System (MIPS) has been developed to pay incentive directly into the bank accounts of all Mitanin using PFMS. More than 69000 Mitanin (Asha Workers) of 27 districts of the state are being benefitted covering all the villages under the hierarchy of SHC, PHC and CHC.

Online Guest Teacher Recruitment

It was organized for Eklavya Model Residential Schools for both fresh and deputation candidates in teaching and non-teaching category. It facilitates online registration of candidates as well as category wise Merit list generation.

- Fresh applications for Teaching 29608
- Fresh applications for Non-teaching 68149
- Applications for Deputation for Teaching 166
- Applications for Deputation for Non-teaching 328

Computerisation of Paddy Procurement and PDS

NIC, Chhattisgarh has computerised the whole Food Grain Supply Chain from Paddy Procurement from farmer under Price Support Scheme, its storage, milling, receipt of CMR and distribution to 57 lakh ration card holders through 12, 000 Fair Price Shops. The system has been operational since 2007 with continual improvement. The system has received eight national awards including Prime Minister Award for excellence in Public Administration.

Transport

Vehicle Registration System (Vahan 4.0) and Driver's License System (Sarathi 4.0) have been implemented in the state of Chhattisgarh. During pandemic, with a view to reducing foot fall at RTO offices online citizen services have been started whereby Vehicle owners could apply for Temporary and Special Permits, download auto approved Permits, apply for renewal of permit and duplicate permit without having to visit RTO office. Other online services include Transfer of Ownership, NOC, Hypothecation addition & termination, online payment of tax and fancy number auction.

Land Records

The Chhattisgarh Land Records Computerization project named BHUIYAN along with cadastral map management application BHUNAKSHA have been implemented in the state. Both the applications have come in handy for the citizens during pandemic period. Citizen could view and download digitally signed Khasra (land ownership information p-11), Khatauni (B-1) and Parcel map. They could request online for signed documents (B-1 & P-11).

Commerce and Industries Department- Single Window System

To reduce the complexity of establishing and doing business in India, World Bank and DIPP come together with reforms for EoDB and based on implementation publishes the ranking of states in India. Being the nodal department for EoDB, Commerce and Industries joined hand with NIC Chhattisgarh to implement EoDB guidelines with online system. NIC Chhattisgarh created an integrated online single window system from which various departmental services and incentives can be offered along with single sign on capabilities. Currently more than 24 services are being offered through single window system from departments like Labour, Pollution Control Board, Excise, Fire, TCP, CSIDC, Legal Metrology, Electricity Board etc. and various incentives offered by Commerce and Industries department.

eManeC

It is an initiative of Government of Chhattisgarh to promote procurement from local manufacturers to government departments and to promote manufacturing and entrepreneurship in the state. eManeC portal is developed by NIC Chhattisgarh for government department purchasing through Rate Contract System. In this system, the state government departments can buy products and services from registered sellers based on fixed rates on Rate Contracts with CSIDC (Chhattisgarh State Industrial Corporation).

Way Forward

NIC, Chhattisgarh is committed to extend support to the State Government in its entire endeavor to the extent possible through appropriate Technological interventions.

For further information, please contact:

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