

"When we "skill" our knowledge, life is well-balanced.
When we "kill" our knowledge, the balance is upset."
- Sri Sathya Sai Baba

National Informatics Centre
Chhattisgarh State Centre
AD-2, Second Floor,
Room No-14,15,16 Mahanadi Bhawan,
Mantralaya, Nava Raipur Atal Nagar
Chhattisgarh - 492002
<https://chhattisgarh.nic.in>



Happening

Workshop on Human Values in Governance and Public Policy by DoPT, GoI

A five day programme was organised for In-Service All India Service Officers by Department of Personnel & Training (DoPT) at Prasanthi Nilayam, Puttaparthi, Andhra Pradesh, from 3rd to 7th January 2022. The deliberations were focused on Role of Human Values in personal and professional life,

importance of Universal values in designing public policies and delivering services, examining models developed by Sri Sathya Sai Central Trust through its service institutions. Hon'ble Sri Justice V Ramasubramanian, Judge of Supreme Court

of India, New Delhi was the Chief Guest of the Occasion.

Dr. A. K. Hota, DDG & SIO, NIC Chhattisgarh joined the workshop as an invited faculty to deliberate on "Education in Human Values – Implementation methodology and Impact Assessment".

Governor Chhattisgarh Launched New Website of Raj Bhavan <http://www.rajbhavancg.gov.in>

Hon'ble Governor Ms. Anusuiya Uikey launched the new web site <http://www.rajbhavancg.gov.in> of Raj Bhavan Chhattisgarh on the first day of the New Year 2022. Speaking on the occasion, the Governor wished all the officers and staff of Raj Bhavan a Happy New Year, good health and a long life. On this occasion, the Governor said "We will work with renewed enthusiasm in the New Year and make a concerted effort to fulfill the aspirations of the people".

The website of Raj Bhavan Chhattisgarh provides biodata of Governor Uikey, her activities, programs, constitutional responsibility, Governor's responsibility as Chancellor, complete information of Raj Bhavan Secretariat and information related to universities.

The Governor also launched new online portal for Employees of Raj Bhavan and released the Annual Calendar -2022 of Raj Bhavan, Chhattisgarh on the occasion. Online Application for Request to meet Governor is also made available on the website. The website also includes biodata of former Governors, Governor's speeches on important occasions, photographs and video clippings, right to information and employee information etc. Portal for Employees is initially started with Leave Management System of all the working officers and staff of Raj Bhavan.

On this occasion, the Legal Advisor to the



Governor, Mr. R.K. Agrawal, Deputy Secretary, Mr. Deepak Kumar Agrawal, Additional State Information Officer Mr. T.N. Singh, Mr. Surendra Agrawal Technical Director, Manish Kochar PSA from NIC along with officers and employees of Raj Bhavan were present.

Honorable Governor appreciated the work done by NIC and its team.

Hon'ble Governor of Chhattisgarh inaugurated E-KrishiPanchang 2022

Ms. Anusuiya Uikey, Hon'ble Governor of Chhattisgarh inaugurated E-KrishiPanchang 2022 an Agro Almanac for the farmers of CG [Android-based Mobile app] at state level workshop on "Transferring Chhattisgarh Education in line with NEP 2020" on 01st January 2022 at 03.00 PM at Indira Gandhi Krishi Vishwavidyalaya (IGKV), Raipur in the presence of Dr. S. S. Senger, Vice-Chancellor, IGKV, Shri Anand Mishra, Former MLA and board member of IGKV, Dr. R. R. Saxena, Associate Director, IGKV, Shri Abhijeet Kaushik, Scientist-C and Officials from the IGKV & Agriculture Department. E-KrishiPanchang 2022 mobile app has been

developed in collaboration with IGKV and NIC Raipur to make farming more accessible through digital revolution to the farmers. This app sends daily advice to the farmers on crop-wise and season-wise agricultural works according to their tehsil. This app provides weather forecasts to the farmers, information about agricultural schemes of the Nation and State, Information of agricultural equipment, major Agriculture tasks of the month, videos of various crops for advanced farming, farmers diary and all information related to Hindi Panchang to the farmers at their homes.



Hon'ble Governor of Chhattisgarh inaugurated E-KrishiPanchang 2022

eGOV Product

TelePractice

TelePractice is a technical platform to conduct oral quiz or enable speaking practice by students, using social media platform 'TELEGRAM' and back-end processing using 'Python'. Teacher creates a Telegram group and adds students of a particular class (not more than 40). At the scheduled time all the students participate in the quiz from their homes. Teacher puts a question image in the group, students give answers as voice messages. Like that 10 to 20 question images shall be put in the group and students answer through voice messages. A python program shall create personalized videos for each student with their name, photo and voice answers given by the student. The videos are available for the teacher to assess and grade them. System gives randomized gifts to the student to gamify the oral quiz.

Objectives -

- To provide a platform to conduct oral quiz to the students sitting remotely.
- To provide feedback to students on their

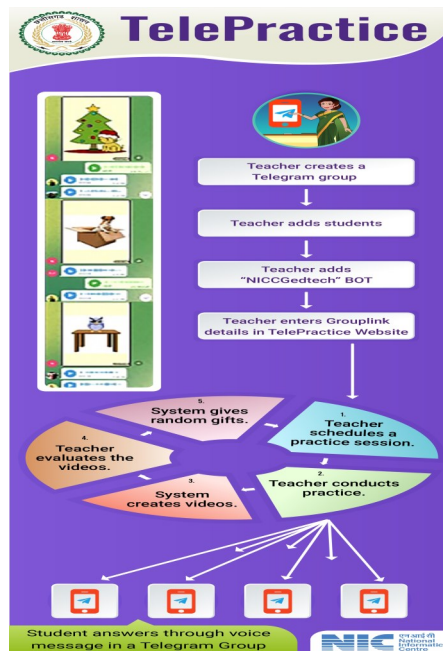
oral answers by auto generating personalized video for each student.

- Introduction of gamification techniques to make learning more entertaining.

Intended Benefits –

- Students can take oral quiz by sitting in their homes and get feedback through personalized auto generated videos.
- Teachers are saved with 80% of the time to be spent on oral quizzes
- As it is human psychology to prefer again and again see once own face, name and voice, Students are watching the auto generated personalized videos with interest, which actually is resulting in more learning.
- Data analytics is now possible to exactly find out where remediation is required for the student and suggest necessary remediation.

National Informatics Centre and department of school education are ready to give

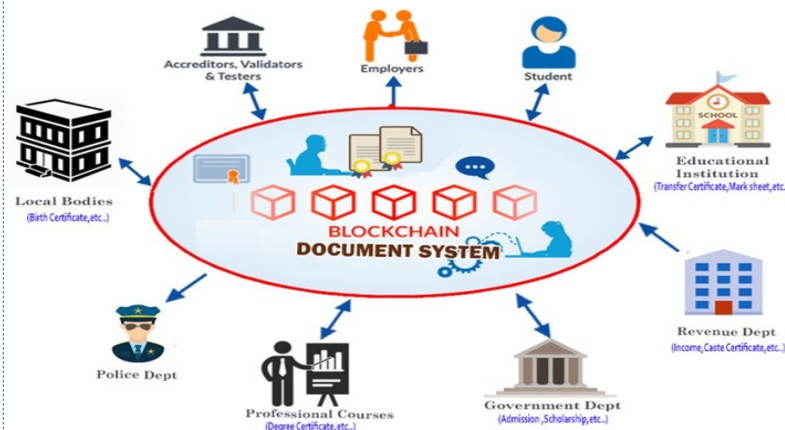


TechNICa

Block Chain to create Certificate Chain

Block chain can be referred to as a shared, distributed ledger with smart contracts that is cryptographically secured. Blockchain technology best suits where information transparency, data immutability and trust are of paramount importance. Block chain records transactions chronologically, permanently and unalterably. Blockchain technology can be used in many areas like digital currency, land records, voter list, etc. Centre of Excellence (CoE) of NIC has successfully used blockchain technology to create certificate chain to store any kind of certificates like certificates given by different boards, universities and caste

data and loss of data due to natural disasters. For this purpose, CoE has established nodes at NIC centres of Rajasthan, Pune, Punjab, Hyderabad and Bangalore. CoE has developed certificate chain platform using block chain framework hyper-ledger to offer government users to on-board any kind of documents using a simple and standard process. The technology allows one by one verification which is good for general public and bulk verification for institutes. CoE is implementing consent mechanism for sharing certificates with others, two factor authentication, two levels for approval and eSign for registration for



& birth certificates given by enhancing security. Some of the use cases which are already using the technology can be eliminate the challenges of fake certificate-chain include CBSE certificates, expensive process for Certificate Chain, Karnataka Certificate Chain & Drug Logistic Chain.

Exhibition

Exhibition on eShramik Seva during 24th National eGovernance Conference

The exhibition depicting Policy Frameworks, Implementation Mechanism, Capacity Building, unified worker registration process, Processes reengineered, different Citizen centric services being rendered online, special migration module, Comprehensive Ease of Doing Business etc. was displayed during 24th National eGovernance Conference organised at Hyderabad. Brochure prepared for the purpose was distributed among visitors and dignitaries.



Spotlight

**"A multi dimensional view of use of technology in Government" presented at LBSNAA, Mussoorie for future leaders
Keynote address by Dr Neeta Verma, DG, NIC to Officer Trainees of 96th Foundation Course at LBSNAA Mussoorie**

DG NIC (Dr. Neeta Verma) presented "A broader picture of e-Governance, and the use of ICT in India, and NIC's role in it". Her session was followed by the DDG(Shri R.S. Mani) explaining "Some of the key features of the available e-Gov ICT Infrastructure and the security initiatives undertaken", DDG(Shri Pawan Kumar Joshi) talking on "The NextGen Digital Government", and the DDG (Dr. Seema Khanna) demonstrating "The Government's Messaging Services". The audience of 488 Officer Trainees (OTs) of the All-India Civil Services and the Royal Bhutan Civil Services showed keen interest.

Attending the ongoing 96th Foundation Course (FC), from 05-Dec-21 to 17-Mar-22, at the Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussoorie, they asked intelligent questions and got answered by NIC officers. "Enabling Digital Dexterity for Future Leaders" is the theme conceptualized by the NIC Training Unit (NICTU) at LBSNAA for the ICT training of these OTs. At the very start, they are made aware of the diverse set

of technologies, products, services, apps and digital platforms made available by NIC for government offices and employees.

Curated, coordinated and moderated by the Head NICTU (Shri Vinod Kumar Taneja), these sessions were conducted by the OT (Shri Deepak Gupta, Indian Civil Accounts Service). STD (Shri Manoj Joshi), PSA(Shri Rakesh Kumar Sharma), TD (Shri Azad Singh) and PSA (Shri Amarjeet Singh Dutt) were present at LBSNAA's Sampurnananda Auditorium, while the DDG(Smt. Alka Mishra) and DDG (Shri K. Narayanan) joined online. The Director LBSNAA (Shri Srinivas R. Katikithala, IAS), in a brief meeting on 9th Dec '21, and the Joint Director (Smt. Radhika



Keynote address by Dr Neeta Verma, DG, NIC to Officer Trainees of 96th Foundation Course at LBSNAA Mussoorie

Rastogi, IAS) and the Deputy Director IT Section (Shri Shelesh Nawal, IAS), in a long meeting on 10th Dec '21, thanked the visiting NIC officers, on behalf of the LBSNAA and NICTU at LBSNAA.

Resonance

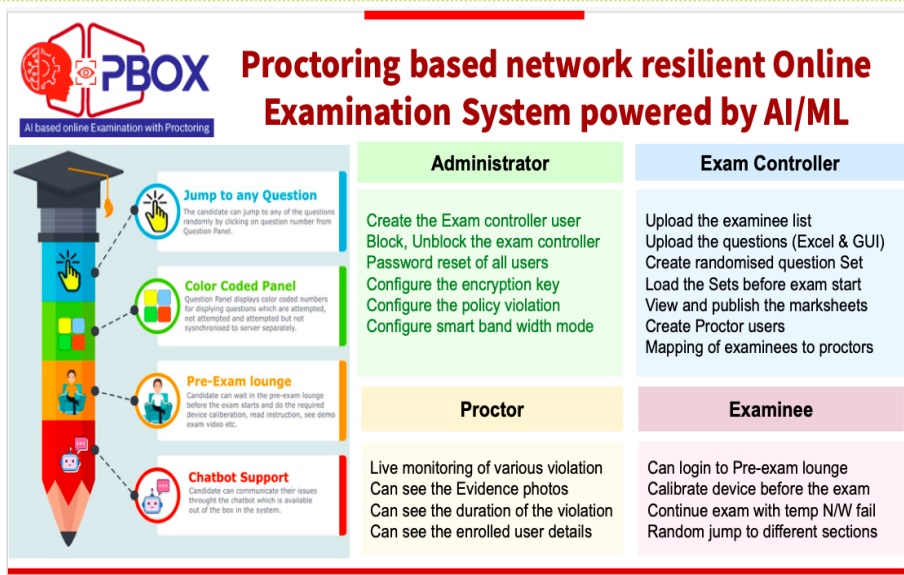
Proctoring Based Online eXamination (pBox) (From the Blog by Ms Kabita Roy Das, DDG & SIO Odisha)

In the education sector during this pandemic, many examinations had to be cancelled and due to lack of a proper cheating detection mechanism exams could not be conducted online from home. Online examination is such a use case where not only AI but also Cloud as well as cyber security are also very critical.

NIC, Odisha is developing online examination product named as PBOX: Proctoring Based Online eXamination to facilitate conducting online examination. The system uses AI based face recognition tool to identify and authenticate the candidate before start of the examination. During the examination, the system monitors the activities of the candidates and records images whenever any activity violates the rules defined.

The Online Examination System is a technology-driven way to simplify examination tasks. This examination system uses fewer resources and reduces the need for question papers, answer sheets, attendance sheets, exam room scheduling, arranging invigilators etc. This system is a cost-effective and scalable way to convert standard pen and paper-based exams to online and paperless mode. The AI powered system ensures security and anti-cheating policy. It also facilitates working on minimum network connectivity as exam can continue if network gets disconnected in between the exam for some time.

PBOX aims to provide robust and secure software solution for examinations to be



conducted online or at center level by using Face recognition based authentication in addition to username and password and Proctoring. It is powered by AI/ML which enables it to carry out absence detection, person swapping detection, multiple person detection and eye ball tracking. There may be different modalities for online examination:

Mode A: Online With/Without Proctoring

The complete online mode where all candidates will appear for the examination by using his/her own desktop with/without proctoring as configured by the examination controller. Central server will handle all the

requests.

Mode B: On-Campus mode With/Without Proctoring at Center Level

Examination will be conducted at multiple examination centers simultaneously and all candidates will have to appear for the examination at their concerned centre. Centers will be having local servers with specially designed application deployed on that which can communicate with the central server securely. This decentralized mode of conducting exam will be much more suitable where controlled environment is the mandate.

Happening

Release of Annual Table Calendar and Monthly Newsletter of NIC Chhattisgarh



The Annual Desktop Infographics- 2022 and InfoNIC, the Monthly Newsletter of National Informatics Centre, Chhattisgarh was released by Shri Sanjay Agarwal (IAS), Joint Secretary General Administration and Public Works at a brief function held at Mahanadi Bhawan, Mantralay Building.

At the outset, Dr. Ashok Kumar Hota, DDG & State Informatics Officer, briefed about the achievements of NIC, Chhattisgarh in 2021 through a Power Point Presentation. He highlighted Launching of new projects, Technology Integration, optimum use of VC infrastructure, Capacity Building, Happenings in the state, Observation of Azadi Ka Amrit Mahotsav through various events, Release of

several publications, Awards and Accolades etc.

The Joint Secretary, Shri Sanjay Aggarwal appreciated the work done by NIC and said that NIC has played an important role in bringing technology to the masses. He said that NIC has enabled Government in reaching out to the people and delivering benefit of every scheme of the government directly to the Citizen besides increasing transparency and readiness in government work.

Virtually joining on this occasion Shri Sanjay Kapoor, Deputy Director General and Chhattisgarh State Coordinator, NIC Headquarters, New Delhi appreciated the work done by NIC Chhattisgarh and said that

he felt proud to be State Coordinator of NIC Chhattisgarh. He added that NIC Chhattisgarh is doing well not only in technology domain but also in sports, activities for the Azadi Ka Amrit Mahotsav, Zero Pendency day in admin etc. which are commendable. He wished that newly formed AI & Innovation division would certainly take the initiatives to a great height in the year 2022.

District Informatics Officers of all districts joined through video conferencing to witness the occasion. Vote of thanks was presented by Shri T.N. Singh Additional State Informatics Officer. The proceedings of the programme were conducted by Shri Satyesh Kumar Sharma, Technical Director.

Awards/Accolades

Chhattisgarh was awarded 2nd Position for eForensic application implementation in the state

This was the great occasion and time for happiness for the officials of Forensic Science Laboratories and NIC Chhattisgarh as the state was awarded 2nd position jointly with Uttar Pradesh for best implementation of eForensic Application in the state. The award was given in gracious presence of Shri Ajay Kumar Mishra, Hon'ble Minister of State (Home), Government of India during 3rd Good Practices Conference on CCTNS & ICJS held on 16th Dec'2021 in Ministry of Home

Affairs, North Block New Delhi through e-platform.

The award news was tweeted by Hon'ble Chief Minister of Chhattisgarh stating it as yet another good news, when we are in completion of 3 years of New Chhattisgarh the Govt. of India has declared national award for Chhattisgarh for best implementation of CCTNS & ICJS.



NIC'As eShramik Seva project for Labour Department, Chhattisgarh conferred National eGovernance Award (Gold)



NIC's eShramik Seva project for Labour Department, Chhattisgarh has been conferred with National eGovernance Award (Gold) under the category 'Universalising Access including eServices'. This award was

received from Hon'ble Union Minister Dr Jitendra Singh during the 24th National conference on e-Governance held in Hyderabad, Telangana organised by DARPG, Govt. of India.

The objective of eShramik Seva project is to work with labourers and establishments, so as to protect their economic, physical and social interests through various labour acts. This contributes towards industrial development by building harmony between workers and management.

Dr. A. K. Hota, DDG & SIO, Shri Satyesh Sharma, TD & DGM (NICSI) joined Labour

Department team of Chhattisgarh headed by Shri Alex Paul Menon, IAS to receive the Award.

