



Our Heritage



Ranakpur Jain Temple

[WebLink](#)

Ranakpur Jain temple is a Shwetambar Jain temple located in Ranakpur village near Sadri town in the Pali district of Rajasthan, between Udaipur and Jodhpur. It is dedicated to first Jain Tirthankara Rishabhanatha. The Temple was built by a local businessman named Darna Shah based on the image he had dreamt of. One plan that matched his dream was by an architect named Deepak. Darna Shah sought the land from the King Rana Kumbha to build the temple whose construction lasted for fifty years. It began in the 14th century and went on till 15th century. The Ranakpur Jain Temple is one of the best architectural monuments famous for its intricate carvings and unique architecture that represents an exquisite work of art and architecture. There are a number of beautiful and delicately carved sculptures in this temple that defy comparison. The temple is an eloquent testimony to India's cultural heritage. The temple is a grand white marble structure spread over 48,000 square feet with 1444 marble pillars, 29 halls, 80 domes and 426 columns. The pillars are individually carved and no two pillars are the same. Legend says that it is impossible to count the pillars. Ranakpur temple is one of the five temples in India that are considered the most sacred for Jain and includes 5 temples – Chaumukha, Suparshvanatha, Surya, Neminatha and Mahavir. The temple has been managed by the Anandji Kalyanji Pedhi trust for the past century and has a dharmshala, bhojnalya and club. The weather is pleasant during winter when you can take your time exploring the temple properly. The timing of temple is 12 pm to 5 pm with no entry fee. Nearest airport is at Udaipur and Jodhpur with numerous Government and private tourist transportation available to reach the temple.

Inaugurations



Hon'ble CM of Rajasthan inaugurated the Centre of Excellence for Revenue Research & Analysis in Jaipur. NIC IFMS and IGRS Team facilitated the presentation. Shri Jitendra Kumar Verma, SIO Rajasthan along with Shri Amit Bhiwani (Scientist-F), Shri Rajesh Verma (Scientist-E), and Shri Abhay Gupta (Scientist-C) were present during the function.



Chief Minister eGram Portal developed by NIC Rajasthan has been inaugurated by Hon'ble Statistics Minister Shri Govind Ram Meghwal on 17th Statistics Day Celebration in Jaipur. eGram Portal has been revamped with latest schemes and requirements. Shri Jitendra Kumar Verma, SIO Rajasthan along with Shri Amit Agarwal (Scientist-F) were present during the Inauguration.

Events / Happenings

Social Security Pension Mobile App Launching

<https://ssp.rajasthan.gov.in/>



Hon'ble Minister of Social Justice and Empowerment, Government of Rajasthan, Shri Tikaram Jully inaugurated virtually the mobile App based on face recognition technique for receiving the application to sanction social security pension developed by NIC, Rajasthan. This App uses the data available on Jan Aadhaar portal to sanction the Social Security Pension and provide the free instantaneous services at doorstep without going to any office by the applicant. Earlier the applicant has to go to any E-Mitra service provider for getting the services, which involve the cost to applicant. Dr. Samit Sharma, Secretary SJED, Shri Hari Mohan Meena, Director SJED, Shri I.D. Varyani (Scientist-F), Shri Shekhar Shukla (Scientist-F) and other officers were present during this presentation.

e-RTI Portal Inaugurated in Rajasthan High Court

<https://hcraj.nic.in/erti/>



The Chief Justice of Rajasthan High Court - Hon'ble Mr. Augustine Joseph Masih inaugurated the e-RTI Portal for Rajasthan High Court and District Judiciary through video conferencing in the presence of the Executive Chairman of the Rajasthan State Legal Services Authority, Hon'ble Mr. Justice Manindra Mohan Srivastava and Chairman - Steering Committee, Hon'ble Mr. Justice Arun Bhansali. The Chief Justice said that this step of Rajasthan High Court would be a milestone in the journey towards achieving a transparent, efficient and accessible judicial system. The portal will ensure that the legal right of the common man does not get stuck in cumbersome paper work and lengthy procedures. He directed all the judicial officers to make maximum use of modern technology in their day-to-day judicial work. The Chief Justice honoured the Chief Justice of India on the occasion. Hon'ble Mr. Justice Manindra Mohan Srivastava urged in his speech that each stakeholder of the portal to adopt this digital transformation and utilize the e-RTI portal to its full potential. He expressed confidence that this portal for the Rajasthan High Court and District Judiciary would become a role model for other institutions across the country. Hon'ble Mr. Justice Arun Bhansali, Chairman - Steering Committee, said that this portal would not only streamline the process of filing RTI applications but would also enhance the speed and accuracy of information dissemination. It will serve as a single and centralized platform where citizens can submit online application(s), fees, track the status of their application(s) and receive timely information. He appreciated the efforts made by the NIC under guidance of SIO Rajasthan and technical team of Rajasthan High Court. Registrar General - Mr. Chandra Prakash Shrimali, Registrar cum Principal Secretary- Mr. Brajendra Kumar Jain, District and Session Judges along with State Public Information Officers also participated in the inaugural ceremony.

Hon'ble Chief Minister Launched RajHealth Portal

<https://rajhealth.rajasthan.gov.in/>



Hon'ble Chief Minister of Rajasthan Shri Ashok Gehlot launched RajHealth portal developed by NIC Rajasthan in a function held at Rajasthan International Centre, Jaipur. Hon'ble CM provided appointment letters, generated by the RajHealth portal to the newly recruited medical officers. These medical officers given posting through the portal and joining formalities completed online. Hon'ble Health Minister, Shri Parsadi Lal Meena, Chief Secretary Smt. Usha Sharma, Principal Secretary Medical Education Shri T. Ravikant, Secretary Medical & Health Dr. Prithvi Raj, Mission Director NHM Shri Sudhir Sharma, Director Public Health Dr. Ravi Prakash & State Informatics Officer Shri Jitendra Kumar Verma were present along with other senior officers of Medical and Health department. NIC team managing the RajHealth project comprises of Shri Gurdeep Bhatia (Scientist-F), Smt. Anju Mittal (Scientist-F), Shri Sandeep Bhargava (Scientist-E), Shri Gaurish Kumar Vashista (Scientist-D), Shri Teekaram Meena (Scientist-B) and Shri Amrit Sharma (Scientist Tech Assistant-B). The portal intends to provide one stop solution to all HRH (Human Resource in Health) related activities and many health services in a real time accessibility and transparent manner for the large cadre of department, spread across 17000+ healthcare institutions and offices in the state. Portal is the digital interaction channel between different offices and health workforce in the state. The approach will be helpful to bridge the gap between state head quarter and the farthest located sub-centers. It will also help in reducing redundancies, saving unnecessary human resources and making a productive and efficient system.

Events / Happenings

Right to Education (RTE) Lottery in Rajasthan

<https://rajpsp.nic.in>



Hon'ble Education Cabinet Minister of Rajasthan, Dr. Bulaki Das Kalla, declared centralized lottery for RTE Admissions for the session 2023- 24 at Shiksha Sankul, Jaipur. Centralized lottery declared for 5,38,579 students with 18,15,489 choices for 32,722 Private Schools. NIC Rajasthan has developed portal for online Applications, Centralized Lottery, Online Reporting, Admissions and Fee reimbursement for RTE Students. More than 9.0 Lakh students are benefited through RTE Portal for 25% free seats. Under the RTE, free elementary education provided to boys and girls belonging to poor, weaker and deprived sections in pre-primary and class-1 in the private schools. The state government also reimburses the fees of these students. Parents may see the school wise priority list declared by the lottery on the portal. In addition to this, the preference number of boys and girls may be verified in all the applied schools by logging in with the ID (number) and mobile number of the application. Secretary School Education, Shri Naveen Jain, Special Secretary School Education Smt. Chitra Gupta, Director Shri Gaurav Aggarwal, SIO Rajasthan Shri Jitendra Kumar Verma, Shri Dilip Goyal (Scientist-F), Shri Vinod Jain (Scientist-F), media representatives and other Senior officials of School Education Department and NIC were present in the event.

Krishak Uphar Yojana - State Level Lottery

Department of Agriculture Marketing intended to conduct Lottery under Krishak Uphar Yojana (KUY) to promote sale of grains and getting e-Payment through E-NAM. Farmer gets One Sale Coupon on sale of every ten thousand and gets one e-Payment coupon on receiving e-Payment of every ten thousand. These coupons generated through e-NAM portal. Under Krishak Uphar Yojana draw from these coupons is done for prize distribution. Lottery for coupons is conducted at three different levels viz. Mandi Level, Division Level and State level. Lottery required to be conducted every six months for Mandi and Division level while for state it is to be conducted once in a year. NIC Rajasthan developed highly configurable software with varied features for successful conduct of the lottery with help of NIC Jodhpur district centre. State level lottery of KUY for year 2022 was conducted successfully on 19 April 2023 at Pant Krishi Bhawna, Jaipur under chairmanship of Principal Secretary Agriculture, Rajasthan. Shri Chandan Sen (Scientist-F) and his team under the guidance of SIO Rajasthan, Shri Jitendra Kumar Verma, coordinated the event. A total of 5415267 coupons comprising of 5225077 sale coupons and 190190 e-Payment coupons were imported to the system for state level lottery.



Sanstha Aadhaar Portal launched by Hon'ble Minister



Sanstha Aadhaar portal (formerly known as Rajasthan Business Register) has been developed by NIC Rajasthan, is a frame of all Institution viz. Government departments, Boards, Corporations, Autonomous bodies, Non-Government organizations and all the

Enterprises operating in Rajasthan. A Unique id, Sanstha Aadhaar Number (SAN) is issue to all institutions online by the portal. Rajasthan Government has made mandatory to get the SAN before giving or availing any government Grant/Services by any establishment in Rajasthan. Sanstha Aadhaar is an integrated system to capture details of running and established institutions in Rajasthan. District Sanstha Aadhaar Register serve as a useful tool for creation of district level statistical information and to establish frame for conducting sector wise surveys. The system allows the Govt. to keep an eye on institution's activities in the state. It generates area wise activity profile in the state. The system has integrated approach in which a data once captured by portal for any institutions need not to submit again as portal is integrated to all the concerned departments. In short, Sanstha Aadhaar portal will serve as a tool for Rajasthan towards a Digital Age for planning purpose. Sanstha Portal: <https://br.raj.nic.in>

PCTS App for ASHAs Launched in Rajasthan



Hon'ble Health Minister of Rajasthan, Shri Parsadi Lal Meena launched PCTS App for ASHAs in Jaipur. Additional Chief Secretary Smt. Shubhra Singh IAS, Mission Director NHM Shri Jitendra Kumar Soni IAS, Director RCH Dr. R.P. Doriya and ASIO (state) Shri Naresh Chandra Gupta were present along with other officers of Medical and Health department. Hon'ble Minister took feedback from ANM regarding the PCTS App and services given by them to the citizen. The PCTS (Pregnancy Child Tracking and Health Services Management System) App developed by NIC Rajasthan for real time reporting of service delivery given to the citizen in rural areas by the ANMs extended for ASHAs workers in Rajasthan. It will bridge the gap between ANMs & ASHAs and speed up the process of reporting of the services provided to citizen across Rajasthan. The App will also provide a common platform for more than 53,000 ASHAs and 16,000 ANMs to submit the data of services delivered. The dashboard developed for administrators to monitor at all levels in the department as well as for each ASHAs and ANMs. PCTS App developed by NIC Medical and Health team under guidance of State Informatics Officer Rajasthan, Shri Jitendra Kumar Verma.

District Hanumangarh Initiative (E-Nahar) Project



E-nahar Regulation Computerization System Project has deployed to facilitate farmers of Hanumangarh District to access real time information about the status of entire networks of canals of Irrigation System. Hanumangarh district have three major canal irrigation projects - Bhakra, IGNP and Sidhmukh. Bhakra and IGNP canals are in first phase to implementation E-nahar project and Sidhmukh will be taken in next phase. The project is designed and developed to connect every farmer of the irrigated land area of 5.51 lakh hectares that is spread across 1917 villages of 8 blocks. It covers 1.5 lacs farmers of the Hanumangarh district & ensures the amount of discharge water for Irrigation. For easy access to online information, NIC Hanumangarh has developed an Android Mobile App to provide opening & closing time of all the major and minor canals to the farmers at a click on their mobile phones. It has replaced the traditional cumbersome process of manual preparation of the regulation chart of the water supply and the snail slow communication with the prompt and accurate computerized system for information delivery through the web portal & Mobile App.

RSCERT Assessment Portal Launched By Education Minister



Hon'ble Education Minister, Rajasthan, Dr. B.D. Kalla launched the assessment portal developed by NIC Jaipur at Rajasthan State Council of Educational Research and Training, Udaipur on 06 June 2023. The Assessment Portal is the First initiative for council in India where teachers may download the questions from the portal as per their requirements by choosing - Class, subject, chapter, topic, learning outcomes, difficulty level and question type. Questions have been made available on the portal in both Hindi & English mediums, so that English medium schools of the state can be benefited. Director RSCERT, State Project Director, SMSA Jaipur and Mr. Mazhar Hussain (Scientist-F), NIC Udaipur, were present on the portal launching ceremony.

CYBER SECURITY TIP

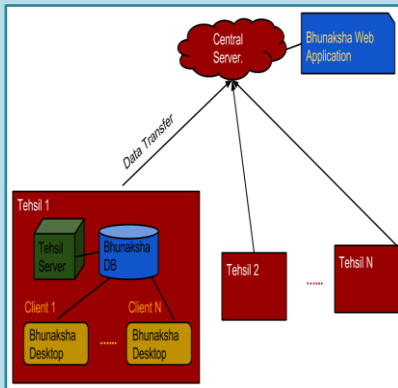
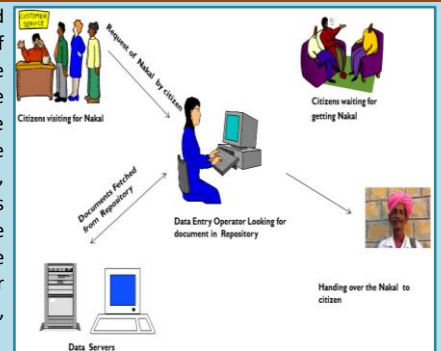
Be careful what you click

"Avoid visiting unknown websites or downloading software from untrusted sources. These sites often host malware that will automatically install (often silently) and compromise your computer. "



Project of the Quarter – BHUNAKSHA (<https://bhunaksha.rajasthan.gov.in>)

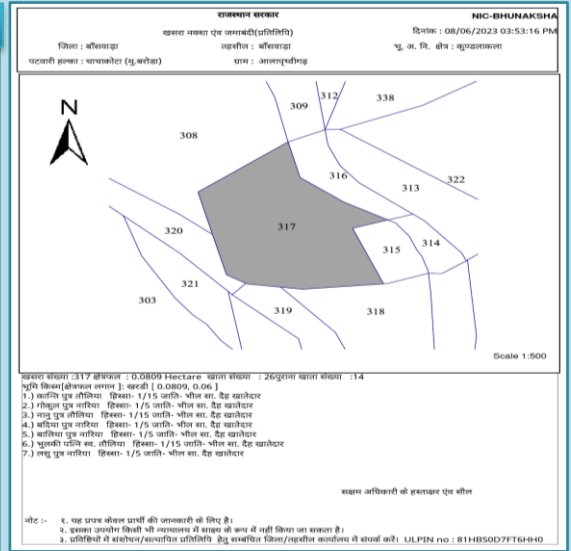
The Government of India decided to implement the Centrally Sponsored scheme in the vector of the Digital India Land Records Modernization Programme (DILRMP) by merging two existing Centrally Sponsored schemes of computerization of Land Records (CLR) and strengthening of Revenue Administration by updation of Land Records (SRA&ULR) in the Department of Land Resources (DoLR), Ministry of Rural Development. The integrated programme has modernize management of land records, minimize scope of land disputes, enhance transparency in the land records maintenance system and facilitate moving eventually towards guaranteed conclusive titles to immovable properties in the country. The major components of the programme are computerization of all land records with integration of textual & spatial records, mutations, survey/re-survey and updation of all survey & settlement records including creation of original cadastral records wherever necessary, computerization of registration, development of core GIS and capacity building. DILRMP programme outlines detailed requirements for cadastral mapping solution and the integration of ROR and cadastral maps. The scope of the Bhunaksha system is to facilitate end-to-end solution for cadastral mapping starting from digital verification of raster and vector data of cadastral maps, its integration with Records of Rights (RoR) and services such as mutation, updation, distribution of RoR and map covering the requirements of DILRMP project in G2G and G2C domain.



In the present scope of work, cadastral maps are maintained within village boundaries with direction and orientation among the plots constituting the village. This is to ensure “whole to part approach” and keeping errors confined to village boundaries. With proper customization, Bhunaksha can be integrated with existing Land Records application of any states that deals with textual data. Bhunaksha is a cadastral mapping software developed by NIC using Open source applications and libraries to facilitate management of digitized cadastral maps. Back end database Postgresql with PostGIS spatial module is used for storing geometry and spatial attributes of plots and other features. Bhunaksha talks to other external ROR database that are mostly in MSSQL Server in implemented states. The scanning, digitization, verification of cadastral maps are the pre-processes and input to Bhunaksha application. Rajasthan has implemented Bhunaksha in its 384 tehsils. Bhunaksha 3.0 software is having features like Splitting of Khasra according to mutation. Bhunaksha 3.0 software has been integrated with E-Dharti Software and Record of Rights (ROR) is generated for selected khasra with its Cadastral Map. Cadastral Map is prepared from Bhunaksha 3.0 software and NAKAL of Khasra is provided online to citizens through the websites - <https://apnakhata.rajasthan.gov.in> and <https://bhunaksha.rajasthan.gov.in>. Records of all villages in tehsils of Rajasthan are in mosaic form and these mosaic sheets are uploaded through Bhunaksha 3.0 software. The shape files of digitized Map are hosted on separate server integrated with E-Dharti server to provide Rights of Record (ROR). Different types of reports are customized in Bhunaksha for monitoring & quality check purpose as per user requirement.

Features of Bhunaksha

- Developed using Free and Open source software.
- Works in Windows and Linux
- Centralized and Distributed architecture.
- Web and Desktop version is available with Mobile app.
- Responsive web rendering for smaller screens.
- Plug-in architecture to facilitate integration with any state’s ROR/Master database.
- A single mutation can divide a plot into multiple subdivisions.
- Multiple methods for creating division lines.
- Grid and Background image helps in drawing division lines.
- Division of Multiple plots in a single operation for cutting road/canal etc.
- History and Audit trail of division is maintained in the software.
- Distance measurement and calculation uses initial scale and local units.
- Plot and Village map can be display and printed to any scale.
- Vector printing of maps.
- SLD based styling of plot and layers.
- Query based thematic maps can be defined by user.
- Bulk import of Shape files and ADF files.
- Generation of Map through Survey data (LandXML) and FMB.
- Validation reports for comparing data in ROR database and digitized map files.
- Helps to correct geometry errors in Shape file.
- Adapts to the authentication and authorization features of ROR database users.
- Online Geo-Referencing tools for legacy maps.



One Year of Successful Completion



RAJNIC
NIC RAJASTHAN



Quarterly Digital Newsletter



April – June 2022



July – Sep. 2022



Scan to View Newsletters



Oct. – Dec. 2022



Jan. – March 2023

Projects Transaction Statistics

SN	Project	Number of Transactions			Total Trans.
		April 23	May 23	June 23	
1	DBT through Pay Manager	11,26,47,500	1,19,46,061	71,07,811	13,17,01,372
2	DILRMP ROR	55,91,960	69,20,318	66,85,136	7,97,97,414
3	Shala Darpan (Students)	48,54,472	7,43,545	90,43,452	1,46,41,469
4	IFMS - Rajkosh Challans	10,16,386	9,83,825	12,16,818	32,17,029
5	eGras	8,44,352	7,93,522	10,11,958	26,49,832
6	IFMS - Rajkosh Bills	5,14,265	2,95,753	2,98,852	11,08,870
7	Pay Manager Other Bills	2,12,394	1,70,904	1,55,204	5,38,502
8	Right to education (Students)	15,64,311	4,56,453	52,98,199	79,18,963
9	Registration and Stamps	1,16,400	1,32,856	2,79,135	5,28,391
10	Shala Darpan (School/Teachers)	56,381	3,44,312	8,72,347	12,73,040
11	E-Transport Vehicle Registration	1,00,645	1,18,593	1,07,869	3,27,107
12	E-Transport Driving License	45,033	70,300	67,424	1,82,757

Technology Talk : Introduction to ChatGPT



ChatGPT is an Artificial Intelligence (AI) Chatbot developed by OpenAI, an American artificial intelligence research laboratory and released on November 30, 2022. The name "ChatGPT" combines "Chat", referring to its Chatbot functionality, and "GPT", which stands for Generative Pre-trained Transformer. ChatGPT is a natural language processing tool driven by AI technology that allows you to have human-like conversations with the end user, can answer question and assist you with the tasks - such as composing emails, essays, and code. Initially, ChatGPT was based on GPT-3.5. However, a much more advanced version of the newest OpenAI language model, GPT-4, was released on March 14, 2023. It is a multimodal model that accepts both text and images as input and outputs text. This can be useful for uploading worksheets, graphs, and charts to be analyzed. **How can you access ChatGPT?** You can access ChatGPT simply by visiting chat.openai.com and creating an OpenAI account. Once you sign in, you can start chatting away with ChatGPT and get your conversation started by asking a question. ChatGPT is free to use and you can ask as many questions as you like.



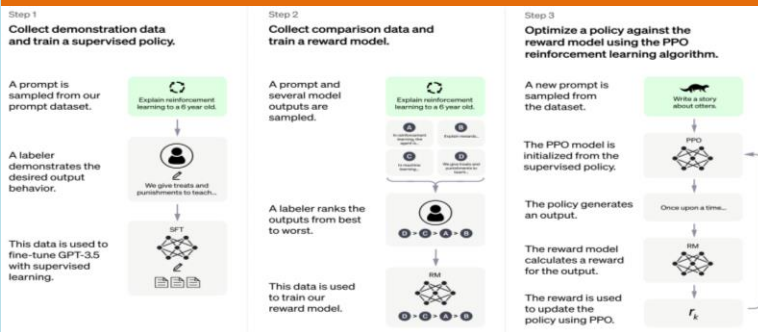
Shri Ishwar Das Variyani
Scientist-F, State Centre

Comparison with search engine - ChatGPT does not have the ability to search the internet for information & has access to information up to year-2021. It uses the information it learned from training data to generate a response, which may leave room for error. In contrast, a search engine indexes web pages on the internet to help the user find the information they asked for and has access to the latest information. **The two main phases of ChatGPT operation** includes the data gathering phase known as pre-training while the user responsiveness phase known as inference. The magic behind generative AI and the reason for suddenly exploded is that the way pre-training works has suddenly proven to be enormously scalable. It is similar to Google search engine phases. Google searches its database for pages that match the request and has two main phases - the spidering /data gathering phase and the user interaction/lookup phase.

Pre-training the ChatGPT uses non-supervised pre-training in which a model learn the underlying structure and patterns in the input data without any specific task in mind. In language modeling, non-supervised pre-training is used to train a model to understand the syntax and semantics of natural language, so that it can generate coherent and meaningful text in a conversational context. Hence, ChatGPT's apparently limitless knowledge becomes possible. Since the developers do not need to know the outputs that come from the inputs, all they have to do is dump more & more information into the ChatGPT pre-training mechanism known as transformer-base language modeling.

Transformer architecture of ChatGPT - The transformer architecture is a type of neural network that processes natural language data. A neural network simulates the way a human brain works by processing information through layers of interconnected nodes. The transformer architecture processes sequences of words by using "self-attention" to weigh the importance of different words in a sequence when making predictions. Self-attention is similar to the way a reader might look back at a previous sentence or paragraph for the context needed to understand a new word in a book. The transformer looks at all the words in a sequence to understand the context and the relationships between the words. The transformer consists of several layers, each with multiple sub-layers. The two main sub-layers are the self-attention layer and the feedforward layer. The self-attention layer computes the importance of each word in the sequence while the feedforward layer applies non-linear transformations to the input data. These layers help the transformer learn and understand the relationships between the words in a sequence.

How Does ChatGPT Work?



How was ChatGPT Trained? ChatGPT was trained on massive amounts of data about code and information from the internet including sources like Reddit discussions, to help ChatGPT learn dialogue and attain a human style of responding. A technique called Reinforcement Learning with human feedback was deployed to make the AI learn what humans expected, when they asked a question.

The Limits of ChatGPT - It cannot access real-time or personal data unless explicitly provided during the conversation. It usually generates responses based on patterns and information it learned during its training, which includes a diverse range of internet text up, but it does not "know" anything in the human sense or understand the context the way people do. Although ChatGPT often generates impressively coherent and relevant responses, it is not infallible. It can produce incorrect or nonsensical answers while its proficiency largely depends on the quality and clarity of the prompt provided.

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Journey of NIC Officers



Shri Chanchal Kumar,
Scientist 'F'
Date of Joining: 21-12-1989
Date of Retirement: 08-06-2023

Education: M.Sc. Statistics
Joined As: Scientific/Technical Assistant A
Posting places: Bhopal, Dausa and Jaipur.
Retirement from NIC RJSC, Jaipur.
Awards: District level Award/Appreciations
Projects handled - GePNIC (CPPP/E-Procurement), AEBAS, Civil Pension, RAJSPPP etc.
Service Period: 33 Years and 5 Months

Being Nician, I am proud of NIC - the premier Technical Organization and Technology Partner of the Government of India and Wish all the Best to NIC.
~ Chanchal Kumar



Shri Sanjeev Mehta,
Scientist 'E'
Date of Joining: 16-09-1996
Date of Retirement: 31-05-2023

Education: MCA
Joined As: Scientific Officer/Engineer-SB
Posting places: Delhi, Jodhpur & Nagaur.
Retirement from NIC Nagaur.
Awards: District level Award/Appreciations
Projects handled - PayManager, IFMS, MNREGA, DILRMP, IRAD, ALIS-NDAL, E-Mitra, Election, SSP etc.
Service Period: 26 Years and 8 Months

I have learnt new technologies during my tenure & worked for technological advancement of the districts. I wish all Success to NIC in future endeavour.
~ Sanjeev Mehta



Shri Ashvini Paliwal,
Scientist-C
Date of Joining: 19-09-1988
Date of Retirement: 30-06-2023

Education: PG DCA and M. Com
Joined As: Scientific/Technical Assistant-A
Posting places: Chittorgarh & Sri Ganganagar
Retirement from NIC Sri Ganganagar
Awards: District level Award/Appreciations
Projects handled - DILRMP, PayManager, IFMS, MNREGA, ALIS, E-Mitra, Gang Canal Water Regulation, Election, SSP etc.
Service Period: 34 Years and 9 Months

I got opportunities to work indifferent technologies & worked for district level Computerization and technical support. My Best wishes for NIC.
~ Ashvini Paliwal