



An e-Governance Newsletter of
NIC RAJASTHAN

Quarterly Digital Newsletter (From JULY to SEPTEMBER 2024)

Our Heritage



Khatu Shyam Temple

<https://www.tourism.rajasthan.gov.in/khatu-shyam-temple>

Khatu Shyam Ji temple is located in the Khatoo village, just 43 km from Sikar City, in the Sikar district and is one of the most important pilgrim destinations in Rajasthan. According to Hindu mythology, Khatu Shyam Ji is the manifestation of the son of Ghatotkacha and a grandson of Bhima, named Barbarika. Barbarika was a prominent figure in the Mahabharata, and a formidable warrior known for his invincibility and was in possession of three powerful arrows that could guarantee victory in any battle. Since Barbarika presence would automatically tilt the war balance, making his chosen side the victors. This would contradict his promise to only intervene on behalf of losing side and ultimately leaving him as the last man standing. To prevent total destruction, Shree Krishna asked Barbarika to sacrificed his head for the cause, and the war commenced with his act of honor. Shree Krishna was extremely happy with the devotion and great sacrifice of Barbarika that he granted him a boon that he would be known by Krishna's own name, Shyam Ji and would be worshipped in his own form. The head was found buried in the village of Khatu. Once milk started flowing spontaneously out of a cow's udder when she neared the burial spot. Amazed at this incident, the local villagers dug the place up and the buried head was revealed. Roop Singh Chauhan, king of Khatu had a dream and so, original temple was built by him in 1027 AD and the idol installed on the 11th day of the Shukla Paksha during Phalgun month. In 1720 AD, the old temple was renovated by ruler of Marwar. The temple took its present shape at this time and the idol, made of rare stone, was enshrined in the sanctum sanctorum. Devotees believe that pronouncing the name of Barbarika or Khatu-shyam from the bottom of their hearts are blessed and have their troubles removed. It is a pilgrimage to worship deity Krishna & Barbarika. Built with white marble, the temple is truly an architectural wonder. Many people visit the temple to gaze with wonder at the beauty of the structure. Near the temple is a holy pond called the Shyam Kund, from where the head of Khatu Shyam Ji was retrieved. A dip in this pond can cure a person from their ailments and bring them good health. Khatu Shyam Mandir is easily accessible via road and train. The Ringas Junction is the nearest railway station about 17 km away with number of cabs and jeeps available outside the station for the temple. The nearest airport is the Jaipur International Airport, about 80 km from the temple while several private and government buses run between Jaipur and Khatu.

Events / Happenings

MAA Voucher Yojana Launched in Rajasthan



Hon'ble Chief Minister of Rajasthan, Shri Bhajan Lal Sharma launched MAA Voucher Yojana in a state level function held at Birla Auditorium Jaipur. Hon'ble Health Minister Shri Gajendra Singh, Hon'ble Law & Justice Minister Shri Jogaram Patel, Smt. Manju Sharma (MP, Jaipur), ACS Energy Shri Alok IAS, PS Medical & Health Smt. Gayatri Rathore IAS, Secretary DOP Dr K.K. Pathak IAS, Mission Director NHM Smt. Bharati Dixit IAS were present along with other senior officers of the state. The districts of Rajasthan connected in the event through video conferencing where minister-in-charge of the district were present along with district administration and beneficiaries. *MAA Voucher system is developed under guidance of SIO Rajasthan, Shri Jitendra Kumar Verma by NIC Medical-Health project team comprising of Smt. Anju Mittal (Scientist-F), Shri Gaurish Vashistha (Scientist-D), Shri Teekaram Meena (Scientist-B) & Shri Amrit Sharma (STA--'B').* **MAA (Mukhyamantri Ayushman Arogya) Voucher Yojana** has been introduced by Government of Rajasthan under Pradhan Mantri Surakshit Matritva Abhiyan with the objective of enabling pregnant women to get one Sonography done free of cost during her pregnancy period at private sonography centers in those areas of the state where government hospitals do not have sonography facilities. Pregnant women in rural areas is not required to travel far for sonography services. Under this scheme - Pregnant women gets QR Code based e-voucher and Sonography can be done at private centers based on the e-voucher. **This will encourage Safe Motherhood Campaign with decline in infant and maternal mortality rate.**

PCTS used to select Awardees for World Population Day



Pregnancy, Child Tracking and Health Services Management System (PCTS) developed by NIC Rajasthan used to select awardees for the World Population Day in a function organized by Department of Medical, Health and Family Welfare. The awardees selection based on various performance indicators during the year. This initiative aims to recognize & reward the effort of employees/volunteers/NGOs who have exceptionally contributed to healthcare services and family welfare programs on the basis of the evaluation system developed by NIC as a part of PCTS System. Hon'ble Chief Minister of Rajasthan, Shri Bhajan Lal Sharma awarded to top performing Health facilities, ASHA, ANM, BCMO, CMHO, employees of the Medical Health & Family Welfare Department and public representatives etc. Hon'ble Health Minister Shri Gajendra Singh, Chief Secretary Shri Sudhansh Pant IAS, ACS Medical & Health Smt. Shubhra Singh IAS, Mission Director NHM Shri Jitendra Kumar Soni IAS, MD Rajasthan Medical Services Smt. Neha Giri IAS, Director Public Health Dr. Ravi Prakash and Director Family Welfare Dr. Suneet Singh Ranawat were present during the celebration along with other IAS, RAS and officers of medical and health department. Under guidance of SIO Rajasthan, Shri Jitendra Kumar Verma, the system was developed in record time by the NIC Rajasthan's Medical and Health Project team. **Website - <https://pctsrjmedical.rajasthan.gov.in>**



Director General NIC Visits Rajasthan State



The Director General (DG) NIC and CEO UIDAI, Shri Amit Agrawal IAS, was on three days visit to Rajasthan from 7th to 9th July, 2024. SIO Rajasthan, Shri Jitendra Kumar Verma welcome the Director General. During his visit, DG NIC interacted with senior IAS Officers of Rajasthan regarding technical discussions on e-governance activities of the State /Country. Among senior IAS Officials were - ACS (Additional Chief Secretary) to CM, ACS Finance, ACS & CMD Rajasthan State Warehousing Corporation, ACS Transport, ACS Energy, Pr. Secretary Food and Civil Supplies, Pr. Secretary Revenue, Secretary Home, Secretary Revenue, Secretary Education, Secretary Mines & Petroleum & Secretary Finance etc. He visited NIC Rajasthan State Centre and seen various sections including iNOC and interacted with the NIC Officials. SIO Rajasthan informed about activities performed by various sections of Rajasthan State Centre. DG NIC reviewed e-governance activities of the NIC Rajasthan and the projects implemented by NIC for the State Government with all Senior Officers of the NIC Rajasthan. He addressed and provided directions on various issues related to the projects. SIO Rajasthan made a detailed presentation on NIC projects and activities of the State Centre. He discussed about the projects for Food and Civil Supplies Department, Integrated Financial Management System (IFMS) for Finance Department, ePanjiyan for Revenue and Stamps Department, Civil Registration System (Pehchan) for Economics and Statistics Department, RajHealth Computerization for Medical and Health Department, Shaladarpan for Education Department, Transport Department, Assembly Computerization and Centre of Excellence for Application Security with the concerned officer of NIC State Centre. During the meeting, he emphasized the need for ease of doing business so that citizen or end user may get the digital services from the systems developed and implemented by NIC. He directed to use Aadhaar face authentication service in all applications where Aadhaar authentication services is being used. He desired NIC to adapt Face authentication rather than OTP and IRIS based authentications whose success rate is much less.

Events / Happenings

Tree Plantation Programme Organized under Special Campaign - "एक पेड़ माँ के नाम"



NIC State Centre, Jaipur



NIC Kota



NIC Tonk



NIC Rajsamand



NIC Banswara

National Informatics Centre Rajasthan including State Centre and all the district centres organized an intensive tree plantation programme under a special campaign. NIC officers and employees participated in it with great enthusiasm. Tree plantation was done inside the park behind the Mantralaya block in the Government Secretariat Jaipur with the help of State Informatics Officer Shri Jitendra Kumar Verma and the entire NIC team. Tree plantation was also done in the NIC Vidyadhar Nagar office premises. Similarly, tree plantation programs were organized in a big way by all the district centers of the state with great enthusiasm. Plantation was done at different places in the district like - Collectorate, Govt. Schools etc. 425 plants were planted in it which included Amla, Arjun, Lemon, Peepal, Neem, Chiku, Bil etc. On this occasion, Shri Jitendra Kumar Verma said that everyone should connect with one tree in the name of mother and make continuous tree plantation an integral part of their life.

राजभाषा संगोष्ठी एवं कार्यान्वयन समिति की बैठक का आयोजन



राजभाषा नीति के प्रति अनुकूल वातावरण बनाने हेतु तथा केन्द्रीय सरकार के कार्यालयों में राजभाषा हिन्दी के प्रयोग को बढ़ाने व उत्साहवर्धक माहौल बनाने के लिए राष्ट्रीय सूचना-विज्ञान केन्द्र, राजस्थान राज्य केन्द्र जयपुर में शुक्रवार दिनांक 30 अगस्त 2024 को श्री जितेन्द्र कुमार वर्मा राज्य सूचना-विज्ञान अधिकारी की अध्यक्षता में 01 जुलाई 2024 से 30 सितम्बर 2024 के अन्तर्गत राजभाषा संगोष्ठी और कार्यान्वयन समिति की बैठक आयोजित की गई। उक्त बैठक में राष्ट्रीय सूचना-विज्ञान केन्द्र राजस्थान के समस्त अधिकारियों व कर्मचारियों ने व्यक्तिशः व जयपुर में स्थित एनआईसी के विभिन्न कार्यलय व जिला कार्यलयों द्वारा विडियो कॉन्फ्रेंसिंग के माध्यम से भाग लिया गया। संगोष्ठी के दौरान राज्य सूचना-विज्ञान अधिकारी महोदय ने राजभाषा हिन्दी के प्रयोग के विषय के अपने विचार व्यक्त किये व समीक्षा की। उन्होंने सन्तुष्टि प्रकट की कि उनके मार्गदर्शन में राष्ट्रीय सूचना-विज्ञान केन्द्र राजस्थान के समस्त अधीनस्थ कार्यालयों में हिन्दी का प्रयोग अधिकाधिक सुचारू रूप से किया जा रहा है और आगे भी इसे जारी रखेंगे। इस दौरान राजभाषा सयोजक ने राष्ट्रीय सूचना-विज्ञान केन्द्र (मुख्यालय) नई दिल्ली द्वारा जारी "सरकार की राजभाषा नीति का कार्यान्वयन - वार्षिक कार्यक्रम 2024-25" के अनुसार सभी द्वारा अनुपालन किये जाने वाले महत्वपूर्ण बिन्दुओं पर प्रकाश डाला ताकि शत प्रतिशत कार्य हिन्दी में हो सके। इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय नई दिल्ली के उपसचिव द्वारा दिनांक 18-19 जुलाई 2024 को राष्ट्रीय सूचना-विज्ञान केन्द्र कोटा कार्यालय का राजभाषा सम्बन्धी निरीक्षण किया गया था। जिसके बारे में राज्य सूचना-विज्ञान अधिकारी ने सभी जिला अधिकारी को अवगत कराया व उपसचिव द्वारा दिये गये दिशा निर्देशों का अनुपालन सभी जिला केन्द्रों द्वारा किये जाने के निर्देश दिये। इससे पूर्व दिनांक 29 अगस्त 2024 को नगर राजभाषा कार्यान्वयन समिति (नराकास) जयपुर की 87वीं अर्धवार्षिक बैठक हुई जिसमें राज्य सूचना-विज्ञान अधिकारी ने भाग लिया।

Highlights of Special Events



Swachhata Hi Seva Campaign

Swachhata Hi Seva was organized at NIC Rajasthan from the 17th September -2nd October 2024 at NIC Rajasthan State Centre, NIC VDN and at all the district Centres. It started with the Swachhata pledge, which administered through VC to the officers and staff of NIC. The NIC officials took up cleanliness activities. Extensive cleaning activities were held at the NIC offices. This included cleaning of the office premises, dusting, cleaning furniture, de-weeding of files and papers, clearance of garbage for computers etc. Also cleaned computer systems, files, corridors, furniture, shelves, entrance etc. The District Centres and NIC Project offices participating whole-heartedly also took the pledge. The officer is after creating the event on the portal uploaded the event pics on a daily basis. SIO Rajasthan, Shri Jitendra Kumar Verma participated in the cleanliness campaign stressed the need for daily Swachhata and said, "All of us should put in best efforts to keep our surroundings and self-clean. Swachhata Hi Seva is the gateway to so many positive things in life".



Training on Data Analytics Tool - TEJAS

Tejas is a comprehensive Self-service Data Analytics and Visualization Platform, developed by NIC to cater needs of the Government Departments. An interactive training session organized on 24 September 2024 through VC for District Centres of NIC Rajasthan. Barmer, Tonk and Sri Ganganagar were among pilot districts during first phase of Tejas Tool implementation. Afterwards, it will be rolled out in the entire State.



SIO Rajasthan Meets Secretary to Hon'ble Governor of Rajasthan

State Informatics Officer Rajasthan, Shri Jitendra Kumar Verma met Shri Prathvi Raj Sankhla IAS, Secretary to Honourable Governor of Rajasthan at Raj Bhawan, Jaipur to discuss ICT activities in the Universities of Rajasthan.



Pehchan Portal Integrated with UIDAI

Rajasthan's Pehchan portal used for Birth Registration in the State has been integrated with UIDAI. It enables UIDAI to generate the Aadhaar Enrolment-ID of newly born child on basis of Birth Registration Data of the State.



Technical Support for PM Vishwakarma Event

Technical Support from NIC District Centres of Rajasthan for PM Vishwakarma Event - 2024 at Prime Minister Kaushal Kendra, ITIs etc. on 20th September 2024 at 33 Locations.

CYBER SECURITY TIP

Cybersecurity Awareness

Cybersecurity Awareness is a toolkit for guarding your digital assets against cyber threats. Attackers targets with malware, phishing campaigns, and more to penetrate system security to access critical data. Security awareness and training minimize the risk and helps employees to recognize and avoid phishing attempts, improper data sharing, and other risky behaviors that lead to breaches.

Project of the Quarter – NICCI Chatbot Service



NICCI

Salient Features

1. Dynamic and Configurable Chatbot Service
2. Content Management System for configuration and setting
3. Maintains Ranking of Questions
4. Voice enabled responses
5. Secured Chatbot
6. Portal specific Hit counter
7. Responsive Chatbot may be configured for any Portal or Mobile App
8. Domain specific data search in portal databases
9. Bot Rules
10. Regional Languages Support
11. Offensive dialogue with the bot are muted
12. User's Star Rating
13. User Feedback
14. Movable & Resizable
15. Voice Assistance

NICCI (NIC Chat Interface) is the dynamic and smart Chatbot service developed by NIC Rajasthan to provide Chatbot interface to any portal. The digital assistance service has been developed in a way so that it may be plugged with any application without any programming requirements. It is voice-enabled service and as soon as query is asked by the user, it breaks the query into the meaningful words to find out the suitable reply, and access the user's query to give related responses by typing on the bot and through speech. With the help of this service, users will quickly receive responses of any domain specific queries that too without any staff engagements. NICCI is very useful for citizen specific portals where 24x7 assistance is required. The bot is supported by the Content Management System (CMS) to enhance bot knowledge, configure and to monitor the progress of the chatbot. Unanswered queries are also stored and provided to portal admin through CMS so that it may be suitably answered to enhance the knowledge of the bot. The service has been integrated with many portals in the country.

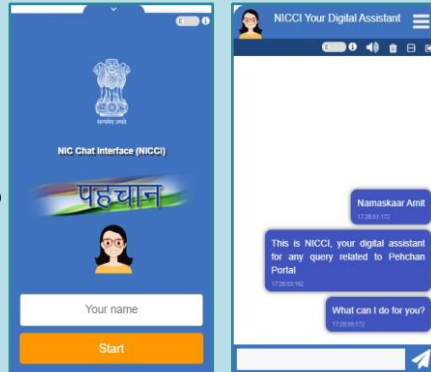


Figure 1 – Chatbot Interface

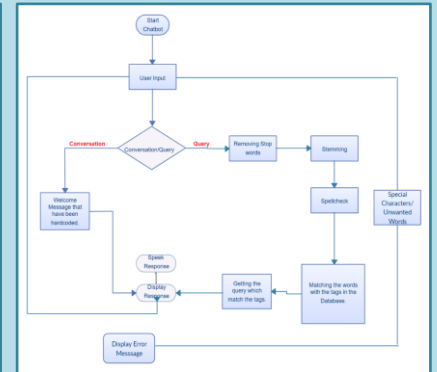
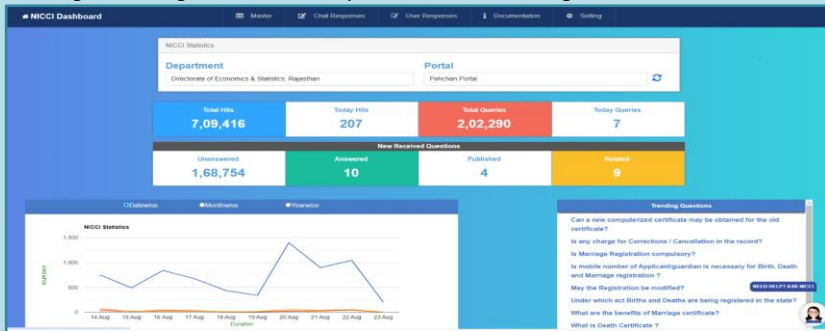


Figure 2 – Chatbot Flow

Content Management System (CMS)

For maintaining and enhancing the contents of the Chatbot, CMS is developed. Access of the CMS is given to the Portal administrator where multiple portals of the same administrator may be mapped. Administrator may maintain the responses related to the portal through the CMS. Bilingual responses (Hindi / English) can also be maintained to enable the bilingual chatbot interface. CMS also maintains the unanswered queries, i.e. queries that were asked by the users but could not be replied by the bot due to insufficient knowledge. These queries may be answered through the administrator dashboard so that bot knowledge can be enhanced and the query may be suitably answered to user. It also shows the ranking of the questions, hit counter and the related options to the portal administrator. Chatbot Background colour, font, portal logo, portal name and helpline number to be displayed on the bot may also be configured through the CMS and may be tested before making it live.



Technology

- Chatbot is developed in JAVA Scripts, ASP.Net with C#
- Backend database is SQL Server 2012
- Browser Speech Synthesis for audio
- Devanagari Hindi for queries in Hindi

Benefits

- Simple easy to use interface
- Digital Assistance for citizen centric portals works 24x7
- Chatbot implementation with any portal without any coding requirements
- Regional Language Support
- Learning to enhance the knowledge base

Highlights of Awards/ Accolades received by NIC Officials



Award received by NICSI Rajasthan for Best services in Country on 29th Annual Day of NICSI Celebrated on 29th August, 2024 at India Habitat Centre, New Delhi. Shri S. Krishnan, Secretary, Ministry of Electronics and Information Technology, Govt. of India concede the award.



District Collector Rajsamand - Dr. Bhanwar Lal awarded Appreciation Certificate to Shri Prem Shanker Choubisa, (DIO) Rajsamand on 15th August, 2024 for Effective Monitoring, Implementation of DILRMP and Election IT applications in the Rajsamand district.



Shri Chandan Sen, Scientist-'F', from NIC Rajasthan State Centre received the Efficiency Award from the Chief Secretary (CS) of Rajasthan, Shri Sudhansh Pant IAS, at the official function on Independence Day (15th August, 2024) at the Government Secretariat Jaipur.

Projects Transaction Statistics

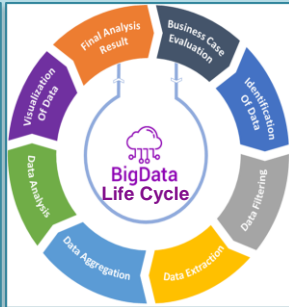
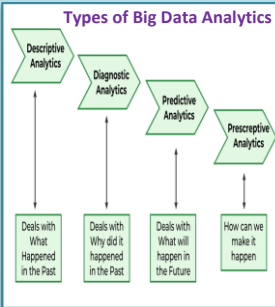
SN	Project	Number of Transactions			Total Trans.
		July 24	Aug 24	Sep 24	
1	DBT through Pay Manager	12917117	2111010	13251883	28280010
2	DILRMP ROR	7648260	2573366	6367045	16588671
3	Shala Darpan	2154050	248188	1791108	4193346
4	IFMS - Rajkosh Challans	1415141	1175026	1193361	3783528
5	eGras	1181924	1017156	1033954	3233034
6	IFMS - Rajkosh Bills	301723	508448	362761	1172932
7	Pay Manager Other Bills	229446	136578	184998	551022
8	Registration and Stamps	243568	203875	204967	652410
9	E-Transport Vehicle Registration	128295	125032	95111	348438
10	E-Transport Driving License	64893	52388	57255	174536

Technology Talk: Big Data Analytics

In today's world, Big Data analytics is fueling everything we do online in every industry. Big Data analytics is a process used to extract meaningful insights, such as hidden patterns, unknown correlations, market trends, and customer preferences. Big Data analytics provides various advantages-it can be used for better decision making, preventing fraudulent activities, bigger innovations and product price optimization, powerful insights and Business Optimization among other things. Big Data is a massive amount of data sets that cannot be stored, processed or analyzed using traditional tools. Data also exists in different formats, like structured data, semi-structured data, and unstructured data. All data combined makes up Big Data. Today, Big Data analytics has become an essential tool for organizations of all sizes across a wide range of industries. By harnessing the power of Big Data, organizations are able to gain insights into their customers, their businesses, and the world around them that were simply not possible before.



SHRI VIKAS MEENA
Scientist-B, DIO Bundi



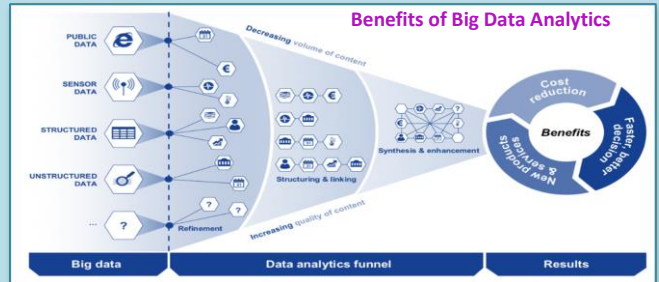
Life Cycle of Big Data Analytics

- 1. Business case evaluation** - The Big Data analytics lifecycle begins with a business case, which defines the reason and goal behind the analysis.
- 2. Identification of data** - Here, a broad variety of data sources are identified.
- 3. Data filtering** - All the identified data from the previous stage is filtered here to remove corrupt data.
- 4. Data extraction** - Data non-compatible with the tool are extracted & transformed to compatible form.
- 5. Data aggregation** - In this stage, data with the same fields across different datasets are integrated.
- 6. Data analysis** - Data is evaluated using analytical and statistical tools to discover useful information.
- 7. Visualization of data** - With tools like Tableau, Power BI, and QlikView, Big Data analysts can produce graphic visualizations of the analysis.
- 8. Final analysis result** - This is the last step of the Big Data analytics lifecycle, where the final results of the analysis are made available to business stakeholders who will take action.

Types of Big Data Analytics

- 1. Descriptive Analytics** - This summarizes past data into a form that people can easily read. This helps in creating reports, like a company's revenue, profit, sales, and so on. Also, it helps in the tabulation of social media metrics.
- 2. Diagnostic Analytics** - This is done to understand what caused a problem in the first place. Techniques like drill-down, data mining, and data recovery are all examples. Organizations use diagnostic analytics because they provide an in-depth insight into a particular problem.
- 3. Predictive Analytics** - This type of analytics looks into the historical and present data to make predictions of the future. Predictive analytics uses data mining, AI and machine learning to analyze current data and make predictions about the future. It works on predicting customer trends, market trends, and so on.
- 4. Prescriptive Analytics** - This type of analytics prescribes the solution to a particular problem. Prescriptive analytics works with both descriptive and predictive analytics. Most of the time, it relies on AI and machine learning.

Big data analytics helps organizations harness their data and use it to identify new opportunities that further leads to smarter business moves, operations that are more efficient, higher profits and happier customers. Besides significant advantages of improved decision-making, enhanced efficiency, better customer experiences, and competitive advantages, Big Data analytics presents challenges such as data quality issues, privacy concerns, complexity, and biases. Big Data analytics has been in limelight for the past few years and will continue to dominate the market in almost every sector. The demand for big data is booming at an enormous rate and ample tools are available in the market today, for example Apache Hadoop, Cassandra, Qubole, Xplenty, Spark, Mongo DB, Apache Storm etc. All you need is the right approach and choose the best data analytic tool as per the project's requirement.



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Welcome to New Joinees in NIC Rajasthan

<p>Ms. Poonam Kumari STA - 'A' NIC-Jhunjhunu (District Centre) DOJ - 15.07.2024</p>	<p>Sh. Manish Kawat STA - 'A' NIC-Alwar (District Centre) DOJ- 19.07.2024</p>	<p>Ms. Pooja Kumari STA-'A' NIC Sawai Madhopur (District Centre) DOJ- 19.07.2024</p>	<p>Smt. Sonia STA-'A' NIC Sri Ganganagar (District Centre) DOJ- 19.07.2024</p>
<p>Sh. Amit Kumar STA-'A' NIC-Karauli (District Centre) DOJ- 19.07.2024</p>	<p>Smt. Priyanka STA-'A' NIC-Jaipur (District Centre) DOJ- 22.07.2024</p>	<p>Ms. Vandana STA-'A' NIC-Jhalwar (District Centre) DOJ- 23.07.2024</p>	<p>Ms. Savita STA-'A' NIC- Hanumangarh (District Centre) DOJ- 08.08.2024</p>

Farewell to NIC Officers Transferred from Rajasthan

<p>Shri Sanjay Ramdeo (Scientist-F) NIC Jalore To NIC Gujarat State Centre</p>	<p>Shri Ashok Kumar Verma (Scientist-E) NIC Bharatpur To NIC HQ, New Delhi</p>
<p>Shri Anil Kumar Bhal (Scientist-E) NIC Bundi To NIC HQ, New Delhi</p>	<p>Shri Virendra Kumar Gaur (Scientist-E) NIC Sirohi To NIC HQ, New Delhi</p>

