



An e-Governance Newsletter of
NIC RAJASTHAN



Quarterly Digital Newsletter (From APRIL to JUNE 2025)

Our Heritage



Karni Mata Temple

<https://www.tourism.rajasthan.gov.in/karni-mata-temple>

The Karni Mata Temple is located in Deshnok town in the Bikaner district of Rajasthan and is renowned for its unique reverence for rats with rich spiritual heritage. The temple attracts thousands of devotees and visitors annually.

Karni Mata was an ascetic who led a righteous life dedicated to the service and upliftment of the poor and downtrodden. It is believed that she possessed supernatural powers.

She laid the foundation of Deshnok and her principal followers, Charans, as well as the rulers of Bikaner worship her as a goddess. Karni Mata was a 14th-century mystic and Hindu warrior sage from the Charan caste, and she is believed to be an incarnation of Goddess Durga.

As per the legend, when her step-son Laxman drowned, Karni Mata prayed ardently to Yama, the god of death, to restore his life. Yama first denied but moved by her sorrow, he gave in to her pleadings and reincarnates not just Laxman but all of Karni Mata's male children as rats.

The temple is home to nearly 25,000 rats, known as kabbas, are considered sacred and cared by the temple staff. Devotees offer prasad—such as sweets, milk and grains—to these rats, believing that consuming food nibbled by them is auspicious.

White kabbas are especially revered and believed to be manifestations of Karni Mata and her family.

The temple was constructed using marble in the early 20th century by Maharaja Ganga Singh of Bikaner. There are panels of the silver doors that depict many legends of the Goddess. The 75cm tall idol of Karni Mata sits within the inner sanctum of the temple with trishul in hand, adorned with a crown & garlands.

Two major fairs held annually at the Karni Mata Temple include Chaitra Mela (March–April) & Ashvin Mela (September–October) with elaborate prayers, rituals & community feasts.

Temple Timing: 5:00 am to 9:00 pm

Deshnok is situated 30 km south of Bikaner & is accessible by both bus and train. The nearest airport to Deshnok is located in Bikaner.

Events / Happenings

Hon'ble PM Live Event of Rozgar Mela



Hon'ble Prime Minister Shri Narendra Modi addressed participants of the 15th Rozgar Mela through video conferencing on 26th April 2025, simultaneously at 47 locations nationwide. Over 51,000 appointment letters were distributed to newly inducted youth joining various government departments and organizations. In Rajasthan, main ceremony held at Mahatma Gandhi R.L. Swarankar Auditorium in Sitapura, Jaipur. A total of 405 appointment letters were distributed to the selected candidates for various central ministries and departments such as Central Board of Direct & Indirect Taxes, Customs, Ministry of Home Affairs & Railways.

The event was graced by several distinguished guests, including Shri Bhagirath Singh Chaudhary, Hon'ble Union Minister of State for Agriculture. The DIO Jaipur and State VC In-charge coordinated with the departments, visited the venue, and tested the main and backup lease line connectivity, ensuring technical support for the successful conduct of the event.

Lottery conducted for RTE Admissions in Rajasthan

<https://rajosp.nic.in>



Shri Madan Dilawar, Hon'ble Cabinet Minister of School Education, Rajasthan, launched the centralized lottery for Right to Education (RTE) admission 2025 in private schools under the Right to Education Act on 9th April 2025 at Shiksha Sankul, Jaipur.

The RTE process is managed entirely online through a fair, transparent and technology-driven computerized random lottery system developed by the National Informatics Centre (NIC), Rajasthan and is used to allocate seats when applications exceed availability.

In 2025, over 3.14 lakh applications were received and processed by the system that remained stable under a peak load of 1400 mb/sec, demonstrating robust infrastructure and scalability. The official portal enabled parents to submit applications, select preferred schools and track results with ease. The lottery draw was followed by document verification, school allotment & online result publishing for transparency & accessibility.

The RTE lottery system is a prime example of how NIC's digital infrastructure enables inclusive, efficient & accountable governance — helping bridge educational gaps for children across Rajasthan.

Visit of Rajasthan State Coordinator at Jaipur



Shri Prashant Kumar Mittal, DDG & State Coordinator, Rajasthan was on 2-days visit to Jaipur on 4th & 5th May 2025 and welcomed by Shri Jitendra Kumar Verma, SIO, NIC Rajasthan. He visited Bhamashah State Data Centre (BSDC) & viewed a detailed presentation on the functioning, operations & management of BSDC.

He interacted with NIC Officers at BSDC and reviewed the infrastructure, operations, stressing cybersecurity, Audits and Resource optimization. He appreciated the dedication & professionalism of the NIC team with emphasis on regular vulnerability assessment, security drills, PEN test and cloud resource optimization.

During his visit, he chaired a comprehensive review meeting with state and district NIC officers with key initiatives presented by SIO Rajasthan including - Allocation of state to each district for cross-learning & project(s) replication, Engagement of each district officer in the state level project and Formation of technical pool from existing employees to address manpower challenges. Shri Mittal interacted with Group Leaders, Project Leaders & DIOs, appreciating the inclusive & collaborative approach towards development & learning.

Events / Happenings

Workshop on Budgeting and Accounting Process at Jaipur

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

One-day workshop on Budgeting and accounting Process was organized by Finance Department in collaboration with NIC. The workshop focused on "BFC and Accounting Process". The inaugural session was chaired by Shri Akhil Arora, Additional Chief Secretary Finance, who addressed the key features of the budget automation & various initiatives of the Government. Shri Prahlad Kumar Jat, Scientist-D, NIC Jaipur being an important speaker at the workshop, demonstrated the Budgeting Process on IFMS system. NIC Rajasthan is technically supporting budget preparation since last 10 years with completely automated process under the leadership of Shri Jitendra Kumar Verma, SIO, NIC Rajasthan.



"Swachh Dhani" - A Responsive Web Application by NIC UDAIPUR

https://e-nagar.com/swachh_dhani

The Swachh Dhani project is a responsive web application designed and developed by NIC Udaipur to promote cleanliness & urban sanitation. It empowered users with tools for reporting issues, tracking progress, engaging with local authorities & contributing to a cleaner, healthier environment in Udaipur district. This initiative integrated the technology, community involvement & administrative efficiency to promote urban cleanliness.

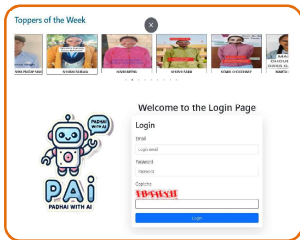
Salient features of the Application include -

- Digital Complaint System – Providing citizens with the facility to register online complaints & track their status.
- Effective Administrative Participation – Equipping BDOs/VDOs with digital tools to promptly resolve complaints.
- Promoting Community Participation – Encouraging citizens to join cleanliness efforts & provide feedback.
- Real-Time Monitoring – Utilizing technology to monitor the progress of cleanliness campaigns.
- Awareness about Cleanliness – Educating people to maintain cleanliness & proper waste management.
- Clean Dhani(s) – Your participation is the responsibility of cleanliness.



"PadhaiWithAI" : An AI-Driven Initiative of Tonk District to Improve Mathematics Learning

<https://padhaiwithai.in>



In a transformative move to uplift student learning outcomes, the District Administration, Tonk has launched the website PadhaiWithAI.in — an AI-powered learning platform developed by NIC Tonk that personalizes education for each student. Built on cutting-edge GPT-4 technology, the platform offers instant solutions to textbook questions in both Hindi and English, generates unlimited practice questions, and provides smart dashboards to track student progress.

The initiative was born out of concern that over 67% of Class 10 students in Tonk were unable to secure 60% in Mathematics during year 2023 and 2024. Reason being - poor foundational knowledge, lack of practice materials and seasonal absenteeism during farming. To tackle this, students undergo a baseline test and are grouped into learning levels (Class 5, 8, or 10). Daily digital attendance is tracked with parents alerted for repeated absences. Every Saturday, students take weekly tests, with AI-driven analytics empowering the district to identify the trends with timely interventions which shows early promising results.

New Initiative of In-House Technical Sessions for NIC Officials



Under the guidance of Shri Jitendra Kumar Verma, SIO Rajasthan, a new initiative has been adopted for improving interaction and technical skills among the officials of NIC Rajasthan. A technical Training Session calendar has been prepared by Shri Vipin Khanna, state training coordinator & DIO Dungarpur, for conducting a series of Technical Sessions throughout the Year-2025. From the month of April itself, sessions were conducted by NIC officers on every Friday while senior NIC officers present brief discussions on their respective projects on alternate Mondays. It aimed at fostering better communication among NIC State officials and enhancing their technical skills collectively. The first session was conducted by Shri Amit Agarwal, Scientist-F, on State Projects through VC.



Highlights of Special Events



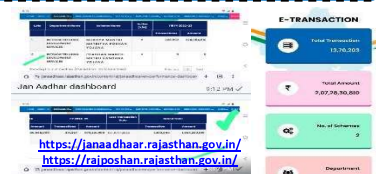
Appointment of 2346 Pharmacists completed via RajHealth Portal developed with the technical support of the NIC Rajasthan, a major step toward strengthening & enhancing the effectiveness of healthcare services in Rajasthan.



The successful migration of Rajasthan High Court Website to NGC, Bhubaneswar marks a significant milestone in enhancing the digital infrastructure, ensuring improved reliability, scalability, and security of the High Court's online services.



The PCTS Portal, Integrated with Ayushman Bharat, enabled Seamless Digital Health Service. Now, ABHA IDs can be generated directly through the PCTS portal, and women's health records can be securely shared with other ABDM-linked platforms.



Integration of MMMPY (Mukhya Mantri Matritva Poshan Yojana) & PMMVY (Pradhan Mantri Matru Vandana Yojana) Schemes on NIC developed Rajposhan portal with Jan Aadhaar portal for better tracking, monitoring, and disbursement of benefits.

CYBER SECURITY TIP

Caution before Sharing data with AI systems

Sharing data with AI systems may results in Privacy Breaches, Data Misuse, Third-Party Access, Model Leakage and Regulatory Violations. Hence, one should review data policies, anonymize inputs, and avoid sharing confidential information.

Project of the Quarter: “PadhaiWithAI” - Revolutionizing Mathematics Education in Tonk

<https://padhaiwithai.in>



Shri Sushil Kumar Agrawal
Scientist-C & DIO Tonk

PadhaiWithAI is an AI-powered learning platform that provides unlimited practice and real-time support, revolutionizing student learning and teaching efficiency. An innovative approach of district collector, Tonk, with an objective of enhancing performance of class X students of Govt. Schools in Mathematics, so that with good marks in Mathematics, they can opt for science stream in XI standard.

Low performance in Mathematics may be due to fundamental issues, Practice problems, Mathematics teacher vacancies and other reasons. To resolve these issues a web application titled “PadhaiWithAI” is designed by District Informatics Officer, Tonk. Platform developed for 10th-grade

Mathematics students in Tonk district, covering over 350 schools and 11,500+ students. It empowers students to solve textbook exercises and generate similar practice questions with customizable difficulty levels, fostering personalized learning. The platform uses cutting-edge large language models to revolutionize how students learn and how administrators monitor academic progress.

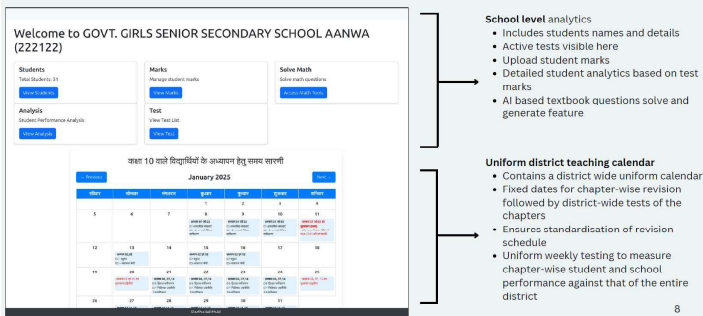
There are 3 type of Users - School login, Block user and Collector user.

In School Login, there is already uploaded calendar based on which teachers will conduct students’ revision. A weekly test has been planned on every Saturday.

To see how application work, Goto “Solve Maths” section → click “Access Maths Tools” → select book name & chapter name → followed by “Load Question”.

Once the questions are loaded, one can select any question & can click “Solve” button for solution. For practice purpose, there is an AI tool option to specify Type & No. of questions and can set difficulty level for generating more questions.

SCHOOL DASHBOARD



Key Features

- **AI-Based Practice & Solutions:** Instant solutions for textbook problems and AI-generated similar questions with adjustable difficulty.
- **Weekly Tests & Real-Time Dashboards:** Schools conduct weekly tests with automatic result analysis at school, block, and district levels.
- **Personalized Learning:** Students are grouped based on performance to receive targeted practice and revision.
- **Recognition & Motivation:** Top and most improved students are recognized publicly and awarded in panchayat-level camps.

Notably, the platform has helped students achieve higher scores in the 60-100% range in final exams, reflecting clear improvement in learning.

By integrating AI tools and interactive analytics, PadhaiWithAI enhances engagement, bridges learning gaps, and strengthens the overall quality of mathematics education in the district.

THE GAME CHANGER : PADHAIWITHAI.

• **What It Is:** A comprehensive classroom management and AI-powered personalised learning portal.

• **Innovative Edge:** Uses cutting-edge frontier large language model – a first-of-its-kind initiative – to provide:

- a. Instant solutions to textbook questions.
- b. AI-powered generation of new practice problems.
- c. Detailed explanations in both Hindi and English.

• **Why It Matters:**

- a. **Unlimited Practice:** Teachers can generate as many additional problems as needed.
- b. **Adaptive Difficulty:** Choose same or higher difficulty, MCQs or fill-in-the-blanks, etc.
- c. **Teacher Empowerment:** Frees up teacher time from creating materials manually so they can focus on guiding and mentoring students.

PORTAL - KEY FEATURES

LOGIN & DASHBOARD

- Individual Logins for each school and an Admin/Collector dashboard.
- Separate rates for Students, Marks, Analytics, Tests, and Solve/Generate Math.

MARKS & ANALYTICS

- Teachers enter student test scores; system auto-generates performance charts, highlights weak areas.
- Collector dashboard provides district-wide comparisons at a glance.

ATTENDANCE MODULE

- Daily tracking of absent students.
- Alerts sent to block administration for follow-up with parents.

TESTS

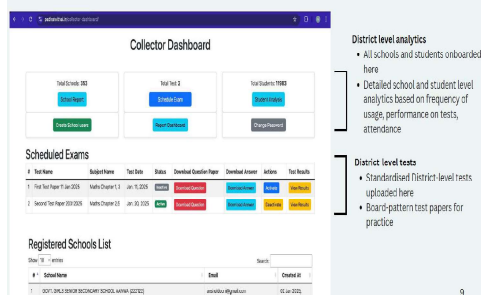
- Weekly standardized test created at the district level.
- Teachers upload marks within 2 days, updating the district's analytics.

In Analysis section, “Test Analysis” button is used to analyze the tests taken by the school on various parameters such as Total Students, Average Marks, percentage and category-wise percentage. Previous year results are available for comparison with current year performance with scope of further improvement. School can even check its district level performance while teacher can even do analysis of a particular student through “Student Analysis Dashboard” containing Student Information, Performance Statistics & Test Performance details.

On login, Block Dashboard appears for the Block User displaying - Total Schools and each School Report, Total Students and Students’ Analysis along with Report Dashboard. Pie charts & Bar charts provides graphical view of Block Average Analysis.

Finally, we have District Collector’s Dashboard reflecting complete data of all the logins of Tonk district. Test result analysis show whether result is enhanced or more improvement is required. Teachers can keep watch on performance of each student.

COLLECTOR/ADMIN DASHBOARD



NIC Tonk has been instrumental in the successful development & implementation of the PadhaiWithAI initiative by District Administration, which has transformed students across the district engaged with Mathematics through AI-powered tools. From developing a robust digital platform to ensuring smooth deployment across all schools, NIC's technical expertise and dedication have been commendable. I sincerely appreciate the efforts of Shri Sushil Agrawal, DIO for his pivotal role in my education-focused digital innovation. I wish him continued success.

Dr. Saumya Jha (IAS)
Collector & DM
Tonk, Rajasthan



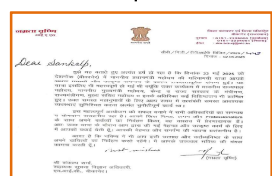
Highlights of Awards/ Accolades received by NIC Officials



Shri I.D. Variyani, Scientist-F & Shri Shekhar Shukla, Scientist-F of NIC Rajasthan State Centre Jaipur, received Award of Excellence in Empowering Citizens through Digital Inclusion for Social Security Pension during elets Smart Gov Summit on 25th April at Marriott Hotel, Jaipur.



Shri Sushil Kumar Agrawal, Scientist-C & DIO NIC Tonk felicitated at Zee Rajasthan state level event and was awarded by Hon'ble Dy. CM Rajasthan at Tonk on 29th May 2025 for development of PadhaiWithAI portal - successful step in making AI accessible to 11,500 students of Tonk district.



Shri Sankalp Sharma, STA-B & DIA Bikaner, appreciated by Collector, Bikaner for his contribution during Hon'ble PM visit at Deshnoh, Bikaner.



Shri P. K. Jat, Scientist-D, NIC State Centre, was facilitated by Shri Akhil Arora, ACS Finance, for his excellent contribution in preparation of Budget under IFMS 3.0.



Appreciation letter awarded to ePanjiyan team of NIC Rajasthan from Inspector General, Registration & Stamp department, GOR on 4th April 2025.

Projects Transaction Statistics

SN	Project	Number of Transactions			Total Trans.
		Apr-25	May-25	Jun-25	
1	DBT through Pay Manager	7341118	23820871	16372960	47534949
2	DILRMP ROR	5194806	6476821	10524252	22195879
3	Shala Darpan	643117	56784	198972	898873
4	IFMS - Rajkosh Challans	1262585	1312567	1347431	3922583
5	eGras	1063180	1144780	1172362	3380322
6	IFMS - Rajkosh Bills	488063	449524	298832	1236419
7	Pay Manager Other Bills	226987	228340	198617	653944
8	Registration and Stamps	181120	249240	240751	671111
9	E-Transport Vehicle Registration	125915	118890	108930	353735
10	E-Transport Driving Licence	51908	66666	67569	186143

Technology Talk: Introduction to Open Web Application Security Project (OWASP)

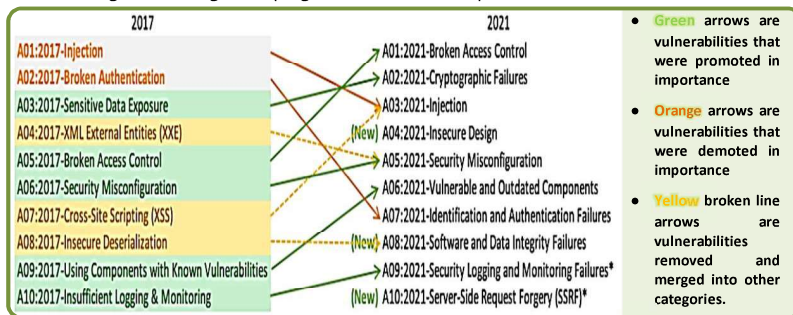
The Open Web Application Security Project (OWASP) is a non-profit organization founded in 2001, with the goal of helping website owners and security experts to protect web applications from cyber-attacks. OWASP has 32,000 volunteers around the world who perform security assessments and research. The following image from OWASP explains what changed in the OWASP top 10 from 2017 to 2021. The OWASP Top 10 is in order of importance—A01, A02, A03.....so on.

A01:2021—Broken Access Control results in access to information/ functionality and allow attackers to bypass authorization & function as privileged users.

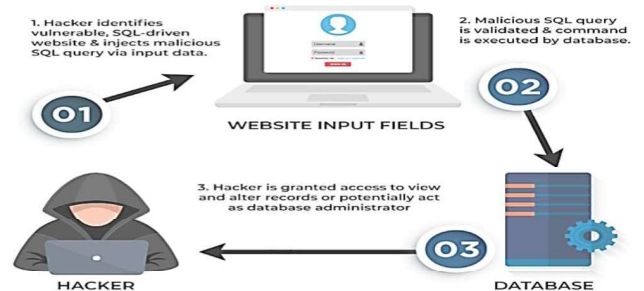
Access controls can be secured by use of authorization tokens. *Every privileged request made by user will require the authorization token.*

A02:2021—Cryptographic Failures results in exposure to sensitive data, stealing or deletion of sensitive information. All sensitive data such as Personal, Financial, Health & Credentials needs to be encrypted with data exposure risk minimized by encrypting sensitive data, authenticated transmissions & to avoid caching of sensitive information.

A03:2021—Injection attacks occurs when untrusted data is sent to a code interpreter through a form input. An attacker could enter SQL code into a form where input is not properly validated/secured, this result in SQL code being executed & known as SQL injection attack. The Injection category also includes cross-site scripting (XSS) that can be mitigated through escaping untrusted HTTP requests.



FUNCTIONING OF AN SQL INJECTION



A04:2021—Insecure Design includes a range of weaknesses that can be embedded in the architecture of an application. It focuses on the design of an application. The use of threat modelling prior to an application's deployment can help mitigate these types of vulnerabilities.

A05:2021—Security Misconfiguration is the result of using default configurations or display of verbose errors. This can be mitigated by removing any unused features in the code & ensuring that error messages are more general. It also includes the XML External Entities (XXE) attack that parses XML input.

A06:2021—Vulnerable and Outdated Components can lead to serious security risks, including data breaches, system compromise and reputational damage. Component developers often offer security patches & updates to fix-up known vulnerabilities but web application developers do not always have the patched or most-recent versions of components running on their applications. To minimize the risk with known vulnerabilities, developers should remove unused & use only updated trusted components.

A07:2021—Identification and Authentication Failures vulnerabilities in authentication (login) systems can give attackers access to user accounts and even the ability to compromise an entire system using an admin account. Mitigation strategies include two-factor authentication & delaying repeated login attempts using rate limiting.

A08:2021 Software and Data Integrity Failures related to code and infrastructure that does not protect against integrity violations. Third-party plugins, other external sources & updates should be obtained from trusted sources with sufficient integrity verification. An application that automatically accepts updates from outside could be vulnerable to an attacker uploading their own malicious updates.

A09:2021 Security Logging and Monitoring Failures results in non-detection of breaches. Security Logging and Monitoring help to detect, escalate and respond to active breaches. OWASP recommends that web developers should implement logging, monitoring & incident response plans to be aware of attacks on their applications.

A10:2021 Server-Side Request Forgery is an attack in which someone sends a URL request to a server that causes the server to fetch an unexpected resource, even if that resource is otherwise protected. Mitigation for SSRF attacks is to validate all URLs coming from clients.

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Welcome New Joinees



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D.O.J. - 16-04-2025



Shri Jitendra Sharma
Scientific Officer/Engineer - SB
NIC District Centre, Jaipur
D.O.J. - 21-04-2025



Shri Nishant Gupta
Scientific Officer/Engineer - SB
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D.O.J. - 21-04-2025

Transferred To / From Rajasthan



Smt. Babita (Scientist-B)
D.O.J. - 09-05-2025
NIC District Centre, Panchmahal TO
NIC State Centre Jaipur



Shri Ronak Nagori (Scientist-B)
D.O.J. - 02-06-2025
NIC HQ, New Delhi TO NIC State
Centre Jaipur



Shri Nand Kishor (Scientist-C)
D.O.J. - 23-06-2025
NIC HQ, New Delhi TO NIC District
Centre, Ajmer



Ms. Anjali Gupta (Scientist-C)
D.O.J. - 23-06-2025
NIC HQ, New Delhi TO NIC State
Centre Jaipur



Ms. Charu (Scientist-B)
D.O.J. - 23-06-2025
NIC HQ, New Delhi TO NIC State
Centre Jaipur



Shri Navin Kumar Mathur (Scientist-C)
NIC District Centre, Durgapur
To
NIC HQ, New Delhi

Smt. Ekta Gupta (Scientist-C)
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Software Development Unit, Pune

