

Tonk, Rajasthan

Leading Digital Transformation through Advanced ICT & AI Solutions

Edited by **VINOD KUMAR GARG**



NIC Tonk has built strong ICT infrastructure, enabling departments with tech-driven solutions and e-Governance initiatives that improve service delivery, transparency, and citizen access. A flagship achievement is PadhaiWithAI, an AI-powered web platform supporting 10th-grade Mathematics learning across 353 schools.

With expertise in cyber security, digital authentication, and data-driven planning, NIC Tonk continues to lead the district's transformation toward efficient, transparent, and citizen-centric governance.

ICT Initiatives in Tonk District

PadhaiWithAI

PadhaiWithAI is an AI-based personalized tutoring initiative conceptualized and implemented by the District Administration, Tonk, in collaboration with NIC Tonk. Launched under the LAKSHYA 2025 campaign, the project aims to improve Class 10 RBSE board examination results in government schools.

Key Features

- Coverage of all 353 government senior secondary schools in Tonk district
- 11,977 Class 10 students onboarded
- AI-driven personalized tutoring with bilingual support (Hindi/English)
- Special focus on Hindi-medium schools, the largest beneficiary group
- Comprehensive analytics dashboards at school, block, and district levels
- Conducted as a 6-week campaign (January–February 2025)
- Delivered unprecedented improvement in Class 10 Mathematics results – surpassing both state averages and previous district performance



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NIC Tonk spearheads Tonk district's digital transformation through innovative ICT initiatives like PadhaiWithAI, iRAD-based ambulance repositioning, Biometric Attendance System, EMS, and DILRMP. These initiatives enhance transparency, efficiency, and citizen services. Nationally recognized for innovation, NIC Tonk advances the Digital India vision through data-driven, inclusive, and citizen-centric governance.



The initiative has received wide recognition, including appreciation from NITI Aayog officials and national-level acknowledgement during prestigious events such as:

- National Seminar, Vigyan Bhawan, New Delhi (August 2025)
- AI for Viksit Bharat Showcase, NDMC Convention Centre, New Delhi (September 2025) – appreciated by Hon'ble Finance Minister Smt. Nirmala Sitharaman, Hon'ble Minister of IT & Railways Shri Ashwini Vaishnaw, and senior government leadership

Biometric Attendance System (BAS)

NIC Tonk serves as the State Nodal Officer for BAS in Rajasthan, ensuring its effective implementation across government offices. Responsibilities include:

- Stakeholder coordination and monitoring
- Facilitating biometric updates

- Generating and analyzing attendance reports
- Overseeing device installation and configuration

iRAD

Tonk became the first district in India to reposition 108 ambulances near accident black spots using the Integrated Road Accident Database (iRAD).

- Four high-risk sites identified through iRAD analysis
- Ambulance response time reduced to 3–5 minutes (earlier 15–20 minutes)

PadhaiWithAI has revolutionized mathematics learning across Tonk's schools through AI-powered tools. This innovative effort is a significant step toward enhancing education quality, empowering teachers, and improving student outcomes. I extend my appreciation to NIC Tonk and the dedicated team for this innovative effort and wish them continued success in driving educational excellence and digital innovation.



Kalpana Agarwal, IAS
District Collector, Tonk

- Achieved without additional vehicles, demonstrating efficiency through data-driven planning
- Recognized at the national level by the Ministry of Road Transport & Highways (MoRTH) and NIC Delhi

Elections Management System (EMS)

NIC Tonk plays a pivotal role in managing election operations across the district. Through the Elections Management System

(EMS), it oversees personnel deployment, poll-day coordination, vote counting, and result dissemination. In addition, NIC Tonk ensures seamless pre- and post-election processes by effectively facilitating and integrating ECI applications, thereby strengthening efficiency, transparency, and credibility in the electoral process.

DILRMP

Under the Digital India Land Records Modernization Programme (DILRMP), land records across all nine tehsils of the district have been fully digitized. Citizens can now conveniently access digitally signed Records of Rights through tehsil offices, Common Service Centres (CSCs), and e-Mitra centres, ensuring transparency, efficiency, and ease of service delivery.

ICT Support During VIP Visits

NIC Tonk has successfully provided ICT support during visits of the Hon'ble Prime Minister and other dignitaries, ensuring:

- Secure communication networks
- Real-time monitoring systems
- ICT-enabled safe houses with enhanced connectivity
- Seamless coordination for protocol execution

NIC Tonk has also been instrumental in implementing several other flagship e-Governance projects that strengthen service delivery and improve transparency. These include the Integrated Financial Management System (IFMS), and the Pregnancy and Child Tracking System (PCTS). Citizen services have been further streamlined through initiatives like eTransport (Vahan and Sarathi), the Arms License Issuance System, and the Civil Registration System (Pehchan). Educational and institutional reforms are supported by Sanstha Aadhaar, Shaladarpan, the Private School Portal, and Gyan Sankalp.



▲ Fig 5.2 : PadhaiWithAI Classroom

In addition, NIC Tonk has enhanced welfare and administrative services through the Public Distribution System (PDS), ePanjiyan, and e-Gram, ensuring digital access and efficiency across key sectors.

Awards and Recognition

- **2025:** Awarded the District Informatics Officer (DIO) by District Administration for development & implementation of PadhaiWithAI
- **2025:** Awarded by Hon'ble Deputy Chief Minister, Shri Prem Chand Bairwa, for excellence in ICT innovation
- **2020, 2021, 2024:** District-level awards for outstanding IT initiatives

Way Forward

Building on its progress, NIC Tonk will continue to expand awareness and adoption of ICT-enabled services, further strengthening alignment with the Digital India vision. The focus ahead is on

NIC Tonk has been instrumental in the Successful development & implementation of the PadhaiWithAI initiative by District Administration, which has transformed the way students across the district engage 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 DIO NIC Tonk for his pivotal role in my education-focused digital innovation and, I wish him continued success in driving impactful e-Governance and ICT projects across the district.



Dr. Saumya Jha, IAS

Director, Medical (IEC), Rajasthan and
Ex-District Collector Tonk

harnessing technology to drive socio-economic growth, empower citizens with accessible digital solutions, and contribute to India's journey toward becoming a global digital leader.

Contact for more details

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▼ Fig 5.1 : Dr. Saumya Jha (IAS), Shri Kalpana Agrawal (IAS) and NIC officials in Niti Aayog presentation