

Hanumangarh, Rajasthan

Digital transformation through advanced ICT solutions

Edited by **SUSHMA MISHRA**

NIC Hanumangarh plays a pivotal role in leveraging technology to drive digital governance and streamline administrative processes. Aligning with the Government of India's Digital India vision, NIC has established a robust ICT framework that empowers various departments with innovative, technology-driven solutions.

A key focus of NIC Hanumangarh is the implementation of e-Governance initiatives that enhance service delivery and transparency. The district has successfully deployed E-Nahar, an advanced irrigation management system that optimizes water distribution, ensuring efficient resource utilization for the region's agrarian economy. Similarly, Manas E-Arogya is a comprehensive digital healthcare platform aimed at strengthening medical services and streamlining patient management.

NIC has also facilitated web-based grievance redressal systems, e-District services, and digital land record management, enabling seamless interaction between citizens and government agencies. These initiatives not only improve accessibility but also promote paperless governance, reducing bureaucratic delays.

Additionally, the District Administration benefits from GIS-based decision support systems, real-time data analytics, and integrated dashboards that provide actionable insights for planning and policy-making. With ongoing advancements in cloud computing, cybersecurity, and digital authentication, NIC Hanumangarh continues to drive technological transformation, making governance more efficient, transparent, and citizen-centric.



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NIC Hanumangarh has been instrumental in driving e-Governance initiatives and fostering a technology-driven administrative ecosystem. The centre facilitates seamless G2C and G2G services, enhancing governance efficiency. The district unit provides essential digital resources, supporting initiatives in e-Governance services, and real-time data analytics for informed decision-making. With a commitment to innovation, NIC Hanumangarh continues to accelerate the district's digital evolution.

ICT Initiatives in the District

Manas e-Arogya

<https://hanumangarh.raj.nic.in/drugspledge>

MANAS e-Arogya is a secure, transparent digital platform for managing drug addiction treatment in psychiatric clinics and rehabilitation centres. It prevents prescription duplication, medicine overdose, and unauthorized use while enabling real-time stock tracking, centralized monitoring, and live photo-based identity verification.

Benefiting 18,000+ patients, 43 doctors, and 37 clinics, the platform supports government health and welfare departments with real-time data for better governance. Pledge participation has exceeded 1 lakh individuals. Its key features are:

- Role-Based Access Control (RBAC) for secure data management

- Automated reports for real-time medicine tracking
- Centralized dashboard for seamless monitoring

MANAS e-Arogya ensures efficiency, security, and accountability, transforming addiction control in public healthcare.

Animal Husbandry Record Management System (AHRMS)

<https://hanumangarh.org/veterinary>

AHRMS streamlines animal husbandry governance by digitizing records, ensuring real-time data access, and improving service delivery, especially in remote areas. Successfully operational for eight years, it replaces manual processes with a scalable, reliable digital solution. Its key features are:

- 300+ logins across district, block, and institute levels

The District Informatics Unit plays a vital role in advancing e-Governance and ICT adoption in Hanumangarh. Web portals like E-Nahar, Manas e-Arogya and the Animal Husbandry Record Management System (AHRMS) have set benchmarks, benefiting farmers, healthcare professionals, and citizens. NIC Hanumangarh continues to drive digital transformation with innovative solutions and strategic collaborations.

I extend my best wishes to NIC Hanumangarh for its continued success in driving and implementing impactful e-Governance projects across the district.



Kana Ram, IAS

District Collector & District Magistrate
Hanumangarh, Rajasthan

- Automates 17 Monthly Progress Reports (MPRs)
- Manages six vaccines, including stock and distribution
- Graphical & analytics dashboards for role-based insights

AHRMS enhances efficiency, accuracy, and transparency, making it a model for digital governance in the sector.

Employee Management System (EMS)

EMS revolutionized government employee data management for the Vidhan Sabha Election 2023, ensuring efficiency and accuracy. Developed at the district level for the State Election Commission of Rajasthan, it consolidated employee records from Shaladarpan and Pay Manager using a unique Employee ID. Its key achievements are:

- Managed 8,44,000+ employee records across districts, ACs, and blocks
- Created 29,000+ logins up to the state level
- Ensured seamless data integration for election operations

EMS set a benchmark in digital governance, optimizing workforce management for large-scale elections.

Safer Internet Day 2025

To promote online safety and cyber hygiene, we collaborated with the District Administration and key stakeholders. Initiatives included:

- Training workshops for District and Block-level officers
- Specialized sessions for Education Department officials
- Awareness programs in district offices, schools, and communities
- Cyber safety banners displayed in urban areas via Nagar Parishad and Nagarpalika

These efforts empower citizens, especially students, to navigate the digital world securely.

Other Initiatives in the District

Several Mission Mode central and state government projects have been successfully implemented in the Hanumangarh district,



▲ Fig 3.1 : Shri Shailendra Kumar Dhanwaria (DIO) receiving an award from the District Administration for developing the Manas e-Arogya portal.

enhancing digital governance and service delivery. These include the Digital India Land Records Modernization Program (DILRMP) for digitizing land records, the Integrated Financial Management System (IFMS) for streamlined financial administration, and Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) for direct income support to farmers. In the health sector, the Pregnancy and Child Tracking System (PCTS) ensures maternal and child healthcare monitoring, while the Integrated Road Accident Database (iRAD) strengthens road safety analytics. Transport services have been modernized through eTransport - Vahan and Sarathi, and public safety is reinforced via the Arms License Issuance System. Additionally, the Civil Registration System (Pehchan) supports identity management, Shaladarpan facilitates school administration, and the Public Distribution System (PDS) ensures efficient food grain distribution. Other key initiatives include Sanstha Aadhaar, ePanjiyan, and e-Gram, all contributing to a more efficient, transparent, and citizen-centric governance ecosystem.

Events and VVIP Visits

The district has successfully provided

comprehensive ICT support during VVIP visits, including those of the Hon'ble Prime Minister and other dignitaries. This included:

- Secure communication networks for real-time coordination
- Live monitoring systems to ensure seamless operations
- Technical integration for smooth execution of protocols
- ICT-enabled safe houses with enhanced security, connectivity, and information flow

These measures ensured a highly secure and well-coordinated environment throughout the visits.

Accolades

- **2025:** Awarded to District Informatics Officer (DIO) by the District Administration for developing the Manas E-Arogya portal.
- **2020:** Awarded to DIO by the District Administration for outstanding ICT initiatives.

Way Forward

The district's technological infrastructure is poised for significant advancements, with a strategic focus on expanding ICT-driven solutions across key sectors such as healthcare, agriculture, and public administration. These innovations will further streamline service delivery, enhance operational efficiency, and empower stakeholders with data-driven decision-making capabilities. Moving forward, NIC is committed to strengthening real-time monitoring systems, fostering mobile-first solutions, and ensuring seamless digital accessibility to improve citizen engagement and governance effectiveness.

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▼ Fig 3.2 : Awareness programme on Safer Internet Day 2025 organized by NIC Hanumangarh.

