



WELCOME TO OUR NEWSLETTER - THISAI

We are pleased to bring you the latest edition highlighting our ongoing initiatives, achievements, events and happenings. In this issue, you will find updates on our projects and key milestones, progress in eGov applications and mobile apps, support extended to the District Administration, and important technology updates shaping our digital initiatives.

Our goal is to keep you informed about the impactful work being carried out and the collaborative efforts driving efficient, transparent, and citizen-centric services. We hope this newsletter provides valuable insights into our journey toward innovation and digital transformation.



Shri Kamalakkannan M
DDG & SIO, NIC TN

Thank you for your continued support and encouragement. Together, we continue to build smarter solutions for better governance and public service delivery.

Happy reading!

MESSAGE FROM DR.P.SENTHIL KUMAR, IAS, ADDITIONAL CHIEF SECRETARY, GOVT. OF TAMIL NADU

Pregnancy and infant Cohort Monitoring and Evaluation (PICME) has been developed by the National Informatics centre and was revamped as PICME 3.0 with new updated Modules. PICME captures 9 Lakhs Antenatal Mothers annually. All the field staff, UHN / VHN including the Health Facility (Government and Private) have been given user ID and password.

Active promotion of self-registration has encouraged pregnant women to self-register using their Aadhaar number in the PICME website (<https://picme3.tn.gov.in>).

"Delivery Points screening portal" has been developed for screening of congenital birth defect of new-born in all Government and Private Health Facilities.



Dr.P.Senthil Kumar, IAS
Additional Chief Secretary

The portal is linked with Conditional Cash Transfer System of Dr. MRMB. The High Risk Mothers are monitored through State 102 call centre and District call centre for timely medical intervention to prevent complications. Flagging of high risk status at all levels through 102 call centre by the State and District Call Centre has been enabled.

The introduction of Thaimai Mobile App allows mothers to register through Facial Recognition System and the mobile application helps to monitor their medical records, vaccination schedules, and the status of their application for the Dr. Muthulakshmi Reddy Maternity Benefit Scheme (MRMB). The software has helped to track and monitor the health of pregnant mothers and children and thereby reduce maternal and infant mortality rates. The PICME portal has been revamped to monitor the health of pregnant women and new born, ensuring they receive necessary healthcare services and access to government welfare schemes.

PICME 3.0

ADVANCING MATERNAL AND CHILD HEALTH IN TAMIL NADU

A DIGITAL LEAP IN PUBLIC HEALTH SERVICES

Pregnancy and Infant Cohort Monitoring and Evaluation (PICME) system, developed by the National Informatics Centre (NIC), Tamil Nadu, is a flagship citizen service delivery platform for maternal and child healthcare. It ensures that every mother and child receives timely, continuous, and structured healthcare support across the entire continuum of care.

The revamped and redesigned PICME 3.0 portal (<https://picme3.tn.gov.in>) was launched on 08th January 2024 at Chennai by Thiru Udhayanidhi Stalin, Honourable Deputy Chief Minister and Minister for Youth Welfare and Sports Development, Government of Tamil Nadu.

Further strengthening outreach, the mobile application "THAIMAI" was launched on 13th February 2026 by Thiru Ma.Subramanian, Honourable Minister for Health and Family Welfare, Government of Tamil Nadu.

COMPREHENSIVE COVERAGE ACROSS THE STATE

These initiatives have significantly enhanced citizen access to healthcare services through real-time digital delivery.

PICME has been designed around the principle of "services to citizens at the right time, in the right place", ensuring seamless end-to-end tracking from registration to postnatal care.

- 1.3+ crore eligible couples registered
- 1+ crore mothers benefitted through continuous care and support
- 28,300+ health system users delivering services across Tamil Nadu

The platform integrates major welfare schemes such as the Dr. Muthulakshmi Reddy Maternity Benefit Scheme (MRMB) and PMMVY 2.0, enabling direct financial assistance, improved transparency, and reduced delays in citizen benefit delivery.

CORE FUNCTIONAL CAPABILITIES

PICME delivers end-to-end, citizen-centric maternal and child healthcare services, ensuring timely intervention, continuous monitoring, and integrated service delivery:

Eligible Couple & Pregnancy Registration: Registration, monitoring, and early pregnancy support with preventive care tracking

Maternal Health Monitoring: Comprehensive health profile management during pregnancy, including antenatal and postnatal care tracking.

Visit & Immunization Tracking: Monitoring of ANC/PNC visits and immunization schedules for both mother and child



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ADVANCING MATERNAL AND CHILD HEALTH IN TAMIL NADU

High-Risk Pregnancy Management: Continuous monitoring of risk parameters across all three trimesters with timely alerts

Delivery & Outcome Tracking: Monitoring of delivery status and institutional care

Child Care & Development: Child registration, postnatal care, immunization, and treatment tracking

HBVC Services: Home-Based Young Child Care support for early childhood development.

Maternal Mental Health: Screening using Edinburgh Postnatal Depression Scale (EPDS) with diagnosis, follow-up, and care support

Mortality Monitoring: Tracking and prevention of maternal and infant deaths

Migration Tracking: Continuity of care for relocating mothers across locations

End-to-End Lifecycle Tracking: Coverage of EC tracking, pregnancy, delivery, child registration, and maternal/infant outcomes

Financial Benefit Integration: MRMB registration and linkage for eligible beneficiaries. Data sharing to PMMVY beneficiary scheme for eligible Mothers

Citizen Self-Service: Self-registration and follow-up by mothers through digital platforms

Automated Alerts: Around 13 SMS notifications for due services such as visits, check-ups, and immunization

Digital Authentication: Aadhaar-based authentication, e-KYC, and FRS integration

CRS : Delivery data sharing for Birth certificate generation

System Integration: HMIS integration and API-based data exchange with national platforms.

THAIMAI mobile application further enhances citizen experience by providing due-date reminders, emergency contact access, high-risk alerts, and self-service updates.

TECHNOLOGY BACKBONE & SYSTEM ARCHITECTURE

PICME 3.0 is built on a scalable and robust architecture to support large-scale public health delivery:

Application Layer: Core PHP with React JS and HTML5 for a responsive and user-friendly interface.

Database Layer: PostgreSQL 17 ensuring secure, reliable, and high-performance data management

Mobile Application: Developed using Flutter for seamless cross-platform (Android & iOS) access with consistent UI/UX and real-time service delivery

Analytics & Dashboards: Drill-down dashboards using Codelgniter, supported by NoSQL databases and Elasticsearch for real-time analytics and decision support

Grievance Redressal: Integrated ticketing system for complaint registration, tracking, and resolution

This architecture ensures high availability, scalability, and real-time monitoring across Tamil Nadu, supporting large concurrent user loads in both urban and rural areas.

DATA SHARING & SYSTEM INTEGRATION

PICME 3.0 functions as a **central data exchange platform**, enabling **seamless integration and real-time data sharing** across multiple government programmes and health systems. This interoperability ensures continuity of care, eliminates duplication, and strengthens coordinated system delivery.

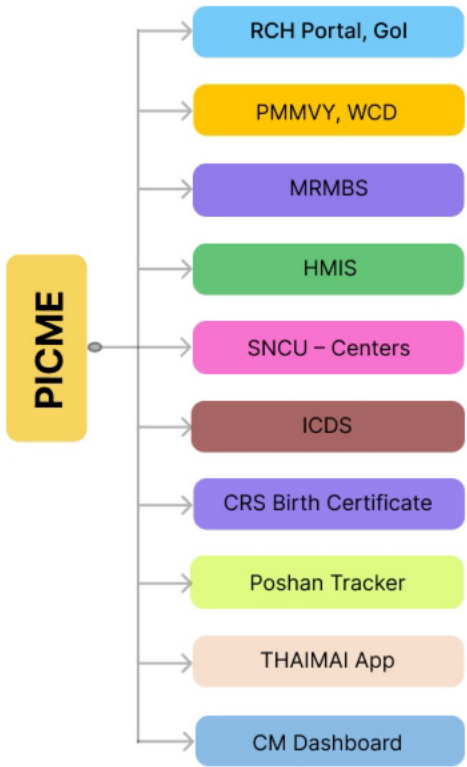
This integrated ecosystem enables real-time information flow across departments, supporting beneficiary tracking, scheme convergence, and evidence-based decision-making. It significantly enhances governance efficiency while ensuring that citizens receive seamless and timely healthcare services.

DRIVING MEASURABLE HEALTH OUTCOMES

The impact of PICME is reflected in the steady improvement of maternal and child health indicators in Tamil Nadu, with MMR reduced to around 39.5 per 1 lakh live births and IMR

reduced to about 7.7 per 1,000 live births. These levels are significantly lower than the national average, highlighting the state's strong healthcare system.

This improvement is driven by early registration, regular antenatal care, timely identification of high-risk pregnancies, and strengthened institutional delivery services.



IMPACT AT A GLANCE

Citizen Services

- Early and universal registration ensuring timely care.
- Single-window access to maternal and child healthcare services
- Proactive alerts and reminders for healthcare services
- Continuity of care across locations for migrating beneficiaries
- Integration with financial and welfare schemes for better support

Clinical Outcomes

- Real-time monitoring enabling early detection of high-risk pregnancies
- Improved institutional deliveries through tracking and alerts
- Better adherence to immunization and care schedules

Governance Improvements

- Data-driven decision-making for targeted interventions.
- Seamless coordination between health workers and institutions
- Enhanced accountability through structured digital workflows

CONCLUSION : A MODEL FOR CITIZEN-CENTRIC DIGITAL HEALTH GOVERNANCE:

PICME 3.0 stands as a **robust model of citizen-centric digital health governance**, demonstrating how technology can be effectively leveraged to deliver healthcare services at scale.

By integrating service delivery, financial benefits, and real-time monitoring into a unified platform, it enhances transparency, efficiency, and accessibility for citizens.

Aligned with global goals of the World Health Organization, PICME strengthens maternal and child healthcare systems while ensuring timely and quality care for every beneficiary.

Tamil Nadu's continued leadership in this domain reflects the **successful convergence of policy vision and technology-driven service delivery**.



State Portal & Departmental Portal Framework

Know Your Government (KYG) Project (<https://tn.gov.in>) is a next-generation digital governance initiative designed to transform the delivery of government information and services to citizens. Initially developed under the National e-Governance Plan (NeGP) by National Informatics Centre, the platform provides a **single-window access** to services, schemes, and information across all administrative level-from State Government to District Administration.

Extending this vision, the project also includes a **Departmental Portal Framework**, enabling individual departments to seamlessly create and manage their own websites within a unified ecosystem.

PLATFORM HIGHLIGHTS

- **Single Window Access** to government services, schemes, and official information
- **Unified Digital Ecosystem** integrating the State Portal with Departmental Websites
- **Extensive Content Repository** with over 1.75 lakh documents, including Government Orders, Policy Notes, Press Releases, Announcements, and Circulars
- **Integration with 35+ Departments** enabling decentralized and real-time content publishing
- **Scalable CMS Framework** supporting 38+ content categories with dynamic extensibility
- **Comprehensive Service Coverage** including welfare schemes, downloadable forms, policy documents, and citizen advisories

SERVICES OFFERED

The platform acts as a comprehensive one-stop digital gateway, providing:

- Access to Government Services and Welfare Schemes
- Repository of Official Documents and downloadable Forms
- Announcements, Notifications, and Circulars
- Departmental updates and citizen advisories
- Policy and governance-related information

DEPARTMENTAL PORTAL FRAMEWORK

The Departmental Portal is a common CMS-based framework that enables rapid development of departmental microsites within a standardized environment. It empowers departments to independently create, customize and manage their websites without requiring technical expertise, ensuring consistency and efficiency across all government portals.

- Built as a multi-tier, workflow-based system aligning with the State Portal architecture
- Enables on-the-fly website creation with customizable themes, layouts, and content structures
- Ensures uniformity, scalability, and centralized governance across departmental websites

- Bilingual and mobile-responsive design for enhanced accessibility

DEPARTMENTAL PORTAL – KEY FEATURES

- **Dynamic Template Customization:** Enables real-time design modifications by allowing departments to customize templates as per their requirements.
- **Centralized Content Distribution:** Provides a centralized mechanism to host Alerts, Notifications, Banners, and Announcements, which can be seamlessly displayed across all portal templates.
- **API-based Content Integration:** Facilitates pulling of related documents such as Government Orders, Policy Notes, Acts, Rules, and Notifications from the State Portal and publishing them in respective Departmental websites, thereby eliminating duplication of content creation and hosting.

ADOPTION & CAPACITY BUILDING

- Departments onboarded into the framework

<https://mrb.tn.gov.in>,

<https://tnfrs.tn.gov.in>,

<https://tnscw.tn.gov.in>,

<https://tnswd-poshicc.tn.gov.in>



PLATFORM HIGHLIGHTS

- **Bilingual Interface** ensuring wider accessibility
- **Responsive Web Design (RWD)** for seamless access across mobile, tablet, and desktop devices
- Compliance with **GIGW, WCAG, and NeSDA** standards for accessibility and usability
- **Public Polls** enabling participatory governance
- **Discussion Forums** promoting citizen interaction and knowledge sharing
- **Feedback Mechanism** to capture citizen inputs and improve service delivery
- **Social Media Integration** for enhanced outreach and real-time communication.



State Portal & Departmental Portal Framework

Training imparted to around 35 Departments and Heads of Departments (HoDs) on CMS usage and content management

Advanced Unified Search:

Offers a comprehensive search facility that enables users to search across all hosted Departmental websites.

Dynamic Form Builder:

Supports creation of customized, dynamic forms for publishing structured content such as Government Orders, Acts, and Policy Notes.

Archival Mechanism:

Provides options to systematically archive and preserve legacy data, ensuring clear differentiation between current and historical information.

TECHNOLOGY STACK

The KYG platform and Departmental Portal Framework are built on a robust, scalable, and secure technology stack:

Backend: Core PHP architecture for flexibility and efficient processing

Database: PostgreSQL ensuring secure and high-performance data management

Frontend: HTML5, CSS3, and modern web technologies for responsive design

Architecture: Modular, lightweight, and scalable system design

CMS Framework: In-house developed workflow-based CMS with role-based access control

Standards Compliance: Adherence to GIGW, WCAG, and NeSDA guidelines

TECHNOLOGY & GOVERNANCE FRAMEWORK

The platform operates on a structured workflow-based CMS model:

- Content Creators for drafting and updating content
- Publishers for validation and approval
- Super Administrators for overall governance and control

This ensures data accuracy, accountability, and timely publishing across both State and Departmental portals.

CONCLUSION : A UNIFIED DIGITAL GOVERNANCE PLATFORM

The KYG initiative, along with the Departmental Portal Framework, represents a holistic digital governance ecosystem. By integrating services, standardizing departmental websites, and enabling citizen engagement, it delivers a transparent, accessible, and scalable one-stop platform for citizens and businesses.





Pudukkottai is a district steeped in history, known for its unique legacy as a former princely state and its wealth of rock-cut architecture. The district was officially formed on January 14, 1974, carved out of Tiruchirappalli and Thanjavur districts.

For Administrative convenience, the revenue district has been divided into 3 Revenue Divisions which includes 12 Taluks whereas the rural development structure divides the district into 13 blocks

MODEST BEGINNING OF THE NIC DISTRICT CENTRE

The NIC District Centre in Pudukkottai was established around 1988, following the national initiative to decentralize and take computerization to the district level. Since its establishment, the NIC Pudukkottai centre has transitioned from simple data entry support to managing complex, real-time e-governance ecosystems.

The initial activities of the centre mainly revolved around the NICNET implementation which entailed establishment and maintenance of the VSAT which provided connectivity interlinking the various districts, state capitals and the national capital in the county.



SUBSEQUENT MILESTONES

The NIC Centre gained more prominence with the setting up the dedicated Video Conferencing studio used for reviews between the Chief Minister/Chief Secretary and the District Collector. The video conferencing studio became a hub of activity and provided instant connectivity for reviewing the various central and state government schemes, discuss relief measures during natural calamities and for effective conduct of elections.

The VC facilities were upgraded from time to time and at present high speed internet connectivity and premium video conferencing solutions are provided by the NIC Centre.

THE DIGITAL HANDSHAKE - PROJECTS INCREASING THE INTERFACE BETWEEN NIC AND THE CITIZENS

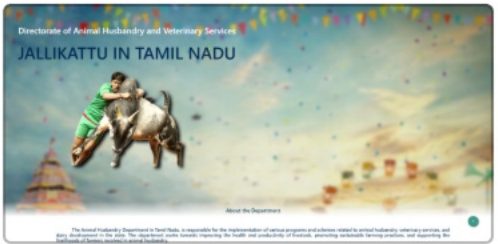
One of the earliest major projects implemented was moving land ownership records from paper to a secure, searchable digital database accessible to the public. The e-District Project is another feather in the cap which helped in digitizing high-volume services such as the issuance of Community, Income, and Nativity certificates through a network of over 200 Common Service Centres. Social Security Schemes such as managing the digital disbursement of old-age pensions and other welfare benefits to ensure direct benefit transfer (DBT) was also taken up by the NIC District Centre.

JALLIKATTU SOFTWARE - TECHNOLOGICAL CORNERSTONE OF THE NIC CENTRE'S GROWING INFLUENCE



The district has the unique distinction of developing and implementing the software for conducting the Jallikattu event, a traditional bull-taming sport in Tamil Nadu held during the Pongal festival. The software was developed in Service Plus framework and multiple enhancements were carried out for district specific requirements and was implemented in 75 locations, including the

major events held in Alaganallur, Palamedu and Avanaipuram in Madurai District during the last Pongal season without any hitch.



NIC AS A FULCRUM OF THE DISTRICT ADMINISTRATION - PROMINENT ROUTINE ACTIVITIES

The District Web site developed in S3WaaS framework serves as the primary digital interface between the district administration and the public. The bilingual Content available in both English and Tamil caters to the local population and complies with WCAG 2.0 (Level AA) standards, making it accessible to persons with disabilities and its responsive design helps in viewing on other smart devices.

There are many projects for which implementation support is being provided by the district centre and they include the Integrated Road Accident Database (iRAD), e-Kalaal Web Application Implementation, RTI Request and Appeal Management Information System (RTI-MIS), Email Migration Support and technical support during VIP visits, just to name a few.



The erstwhile NIC officers and the present District Informatics Officer, Shri K. David Joseph Raj and his team have ensured that the NIC District Centre has always been at the forefront in the implementation of various projects and thus have earned high appreciation from the District Authorities.



The evolution of quantum computing and its application in data security has turned the cybersecurity landscape upside down. The more Quantum Computing evolves, the more will be the changes in the stability of conventional cryptographic algorithms. Quantum computers will eventually become powerful enough to break public key-based cryptography, also known as asymmetric cryptography which is the foundation for most of industry standard cryptographic algorithms. Hence, Quantum Computers, with their immense never-seen-before computational power, threaten to undermine the very foundations of classical cryptography, making previously unbreakable encryption vulnerable to rapid decryption.

In essence, Quantum computers threaten to render many established and industry standard encryption techniques obsolete by solving problems once considered infeasible, in a fraction of the time.

Quantum computing therefore represents a major security threat from the perspective of conventional cryptography, and hence systematic approach is needed now to secure applications and infrastructure using Post-Quantum/Quantum Safe Cryptography.

Therefore, it has now become important to strengthen the cryptographic methods with application of quantum computing concepts often termed as Quantum resistant algorithms .



CONCEPTS OF POST QUANTUM CRYPTOGRAPHY

QUANTUM SECURITY OR POST QUANTUM CRYPTOGRAPHY

Post-Quantum Cryptography (PQC) refers to cryptographic algorithms designed to withstand attacks by quantum computers.

While the traditional security systems typically worked by reacting to emerging risks and threats, the Quantum resistant cryptographic are designed to withstand the challenges of attack vectors unleashed by Quantum Computers making the algorithms Quantum resistant. By embedding resilience into the very foundation of cryptographic protocols, quantum computing helps ensure that confidential information, critical communications, and essential services remain protected, regardless of technological advances.

Post Quantum security is the go-to option for organizations to secure data, keys, digital signatures and other information assets which are cryptographically considered secure by conventions computer but are vulnerable to decryption by quantum computers.

SOME OF THE QUANTUM SECURITY ALGORITHMS ARE AS FOLLOWS:

- **Shor's Algorithm:** It is a quantum algorithm which uses quantum concepts such as Superposition and entanglement to find factors of large prime number which was considered impossible in the era of classical computers. The Shor's algorithm has therefore emerged as a threat to algorithms like RSA due to its capability of factoring large prime numbers roughly in a polynomial time of $O((\log N)^3)$. The best case occurs when the random integer choice quickly yields an even period with a "friendly" order, resulting in near-instant factorization. The worst case involves picking an "unfriendly" , requiring more repeated iterations due to narrow peaks in the quantum period-finding circuit, though it still remains efficient at time, whereas classical methods would fail.
- **Lattice based Cryptography:** These are quantum resistant algorithms designed around the difficulty of lattice based problems often involving mathematical problems related to high dimensional grid like structure making it harder even for quantum computers to break the cryptographic functions thus ensuring strength of cryptographic infrastructure and ultimately protecting the information assets that are protected by such cryptographic tools.
- **Crystals Kyber algorithm:** Based on the hardness of Module Learning with Errors (MLWE). It is a Lattice based key exchange algorithm which creates a vector from a set of linear equations and introduces noise element. A private key is a random, short secret vector, while the public key is a set of noisy linear equations involving that secret. This algorithm is seen to have survived the computing power of quantum computers. For instance, when two parties wish to establish a shared secret over an insecure channel, CRYSTALS-Kyber algorithm allows them to exchange messages in such a way that an eavesdropper, even with access to a quantum computer, cannot feasibly compute the secret key.
- **Hash-based signatures:** Hash-based signatures are a mature, quantum-resistant digital signature method, relying on hash functions rather than integer factorization, making them secure against Shor's algorithm
- **Crystals DilithiumAlgorithm:** The CRYSTALS-Dilithium algorithm which is also based on lattice-based cryptography, establishes a quantum-resistant digital signature scheme. This algorithm ensures that even a quantum enabled adversary can not tamper the digital signature thus guaranteeing the integrity of digital signatures.

With the ever-increasing adoption of Quantum computing by different stakeholders in the cyberspace, the need for adoption of quantum-resistant algorithms and post-quantum cryptography have become crucial for organizations and individuals to protect and secure the Information assets in the Cyberspace.

THE NEW ERA OF RAG

From Basic Pipelines to Intelligent, Adaptive Knowledge Systems



RAG is evolving fast — and “basic RAG” is already outdated.

If your pipeline is still: chunk → embed → retrieve → generate, you’re missing what’s happening right now.

WHAT'S CHANGED?

RAG is no longer a static pipeline. It's becoming an intelligent, decision-making system that can plan, reason, adapt, and verify.

Basic RAG (Outdated)



Simple, but Limited.

New Era RAG



Intelligent, Adaptive, and Reliable.



WHY IT MATTERS

The real bottleneck is no longer the LLM. It's how well you retrieve, structure, and verify knowledge.

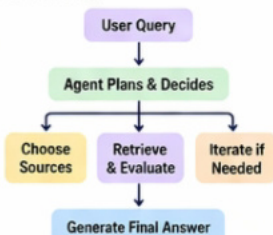
TYPES OF RAG IN THE NEW ERA

1 Agentic RAG

RAG + AI Agents



How it works:



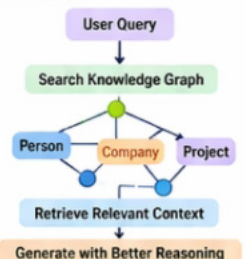
Why it matters: Retrieval is adaptive, not static. The system decides what, when, and how to retrieve.

2 Graph RAG

Knowledge Graph + Retrieval



How it works:



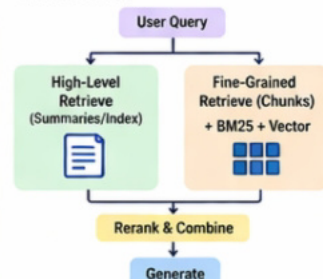
Why it matters: Captures relationships, improves reasoning, and reduces hallucinations on complex queries.

3 Hierarchical + Hybrid RAG

Multi-Layered Retrieval



How it works:



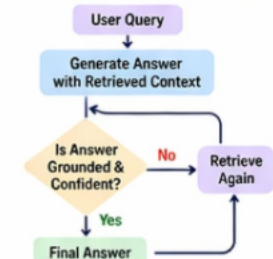
Why it matters: More accurate retrieval by combining strategies and levels.

4 Self-RAG

LLM Evaluates Itself



How it works:



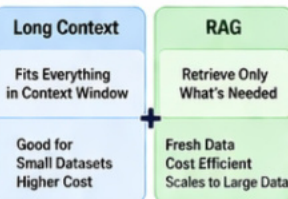
Why it matters: Built-in feedback loop improves accuracy and reduces hallucination.

5 Long-Context vs RAG

The New Debate



How it works:



Future: Hybrid Approach
Long Context + Retrieval

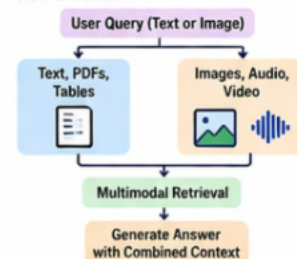
Why it matters: Both have a place. Hybrid gives the best of both worlds.

6 Multimodal RAG

Beyond Just Text



How it works:



Why it matters: Understands and retrieves across multiple data modalities.

OLD RAG vs. NEW ERA RAG

Aspect	Old RAG	New Era RAG
Pipeline	Static: Chunk → Embed → Retrieve → Generate	Intelligent: Plan → Retrieve → Reason → Verify
Retrieval	Single Vector Search	Hybrid, Hierarchical, Adaptive, Graph-based
Decision Making	None	Agent-driven & Self-evaluating
Knowledge	Flat Documents	Connected Knowledge Graphs
Feedback	No Self-Check	Self-RAG with Built-in Feedback Loop
Data Types	Text Only	Multimodal (Text, Images, Audio, Tables)
Use Case Fit	Simple Q&A	Complex, Real-world, Real-time Systems



WHAT TO FOCUS ON TODAY

- ✓ **Retrieval Orchestration**
Plan, Decide, and Adapt
- ✓ **Reranking Strategies**
Improve Relevance
- ✓ **Evaluation & Faithfulness**
Measure What Matters
- ✓ **Agent + RAG Integration**
Build Smarter Systems
- ✓ **Knowledge Graphs**
Unlock Deeper Reasoning



BOTTOM LINE:

RAG is shifting from a static pipeline to an intelligent system.
The future belongs to systems that can plan, retrieve, reason, evaluate, and adapt.

MINI-TECH BITES - BEST AI TOOL FOR DEVELOPERS 2026

Continue - Continue is an open-source AI coding assistant that integrates seamlessly with VS Code and JetBrains, enhancing development workflows with in-editor intelligence. It provides chat, autocomplete, and deep codebase awareness to accelerate coding and improve understanding. Support for multiple models—including local LLMs—enables flexibility in how AI is used across projects. Built with control and privacy in mind, Continue allows AI assistance to be tailored to specific environments and requirements. A powerful yet lightweight tool, Continue is quickly becoming a go-to choice for developers embracing open-source AI.

SAFER INTERNET DAY 2026 - NIC TAMIL NADU STATE CENTRE

SAFER INTERNET DAY 2026 AWARENESS PROGRAMS CONDUCTED BY STATE & DISTRICTS CENTRES OF NIC, TAMILNADU (9th, 10th & 11th Feb 2026)

Safer Internet Day was observed globally on 10th February 2026 under the theme "Smart Tech, Safe Choices – Exploring the Safe and Responsible Use of AI." The day aims to promote safe, responsible, and ethical use of the internet, especially among children and young people, while addressing emerging online challenges.

The National Informatics Centre (NIC), Tamil Nadu State Centre, along with its District Centres, organized 48 awareness events across various districts, reaching approximately 6,637 participants, including Government officials, and students from schools and colleges.

The initiative significantly strengthened awareness on safe internet practices and responsible AI usage across the State. Also, reinforced the importance of:

- Building cyber awareness at all levels
- Promoting ethical AI adoption
- Strengthening digital resilience

The active involvement of NIC Tamil Nadu and its District Centres significantly contributed to spreading awareness on emerging online concerns and empowering citizens to make smart tech choices for a safer digital future.

Event held at Chennai



Significance of the Initiative:

Several District Administrations actively participated in the events, highlighting the importance of cyber safety and responsible AI adoption. The programmes also received coverage in leading newspapers, significantly enhancing public outreach and reinforcing awareness of safe internet practices.

In this regard, the District Collectors of Tenkasi and Erode, Thiru A.K. Kamal Kishore and Thiru S. Kandasamy, I.A.S., respectively, chaired Safer Internet Day awareness training meetings on 10th February 2026 to promote online safety and responsible digital practices.

The State Informatics Officer of TN at a function held at Central Govt. Office Complex, Chennai hosting about 30 Departments, delivered keynote addresses emphasizing the safe and responsible use of the Internet. The session covering common cyber threats, essential cyber hygiene practices, mechanisms for reporting cybercrimes, and the secure use of Government communication infrastructure, reinforcing the importance of digital safety and resilience.

Observance of Safer Internet Day 2026 - Participation events held across Tamil Nadu:

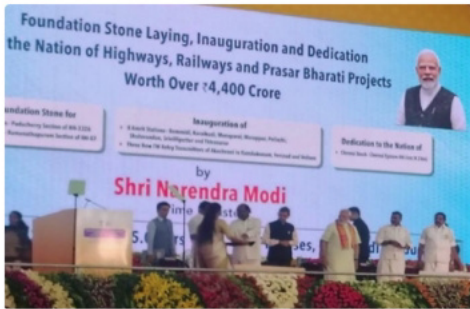


DISTRICT	PARTICIPANTS	DISTRICT	PARTICIPANTS
Ariyalur	234	Ramanathapuram	208
Chengalpattu	115	Ranipet	106
Chennai (District)	102	Salem	55
Chennai (State Centre)	108	Sivaganga	212
Chennai (State Centre)	100	Tenkasi	491
Coimbatore	84	Tenkasi	72
Coimbatore	360	Thanjavur	51
Cuddalore	180	Thanjavur	51
Dharmapuri	131	The Nilgiris	697
Dindigul	165	Theni	243
Erode	148	Thiruvallur	60
Kallakurichi	78	Thiruvarur	59
Kancheepuram	113	Thoothukkudi	54
Kannivakumari	105	Tiruchirappalli	194
Karur	30	Tirunelveli	54
Krishnagiri	81	Tirunelveli	106
Madurai	205	Tirupathur	50
Mayiladuthurai	49	Tiruppur	129
Nagapattinam	91	Tiruvannamalai	43
Namakkal	115	Tiruvannamalai	218
Namakkal	115	Tiruvannamalai	254
Perambalur	63	Vellore	95
Perambalur	63	Viluppuram	110
Pudukkottai	110	Ramanathapuram	208
TOTAL PARTICIPANTS:			6765

EVENTS & HAPPENINGS

VISIT OF HON'BLE PRIME MINISTER TO TAMIL NADU ON 01 ST MARCH 2026

NIC, Madurai District Centre ensured seamless ICT support for the live coverage of the inauguration programmes conducted under the NHA project. The entire event was live streamed by NIC, enabling citizens across Tamil Nadu and across the country to witness the Hon'ble Prime Minister's address and the inauguration of various projects in real time.



LAUNCH OF ADTT WITH SARATHI SYSTEM

NIC has integrated the Sarathi System with ADTT system of Maruthi Suzuki to enable a technology-enabled, standardized, and objective driving license testing process. The automation of driving test tracks is expected to bring greater uniformity and objectivity in the testing process and ensure that driving licenses are issued only to candidates with the requisite driving skills, thereby strengthening road safety in the state.



The Honourable Chief Minister Thiru M.K. Stalin inaugurated Automated Driving Test Tracks (ADTTs) under the e-Transport Project. Thiru S.S. Sivasankar, Minister for Transport and Electricity, Thiru N. Muruganandam, IAS, Chief Secretary, Thiru Dheeraj Kumar, IAS, Home Secretary and Thiru Kiran Gurralla, IAS, Transport and Road Safety Commissioner were also present during the occasion.

REPORT ON THE VISIT OF SHRI CJ ANTONY, DDG AND STATE COORDINATOR, NIC HQRS TO NIC TAMIL NADU STATE AND DISTRICT CENTRES

Shri C. J. Antony, DDG & State Coordinator made an official visit to NIC Tamil Nadu from 24th March 2026 to 27th March 2026 to review the activities and projects of the NIC Tamil Nadu State Centre. He also made visits to Cuddalore and Viluppuram NIC district centres to review the functioning of these District NIC centres.



HON'BLE MINISTER FOR REVENUE AND DISASTER MANAGEMENT, GOVERNMENT OF TAMILNADU. LAUNCHES ADDITIONAL LAND RECORD SERVICES IN TAMIL NILAM DEVELOPED BY NIC, TAMIL NADU STATE CENTRE

On March 4, 2026, Honourable Minister for Revenue and Disaster Management, Government of Tamil Nadu, Thiru K.K.S.S.R Ramachandran launched two additional land record services in the presence of Tmt P. Amudha IAS, Secretary, Department of Revenue and Disaster Management and Tmt. R. Gajalakshmi, IAS, Commissioner of Land Administration, Govt. of Tamil Nadu.



INTEGRATED LAND RECORD (ILR) - ([HTTPS://ESERVICES.TN.GOV.IN/](https://eservices.tn.gov.in/))



HISTORY OF PATTI TRANSFER SERVICE ([HTTPS://TAMILNILAM.TN.GOV.IN/CITIZEN](https://tamilnilam.tn.gov.in/citizen))

This digital initiative, developed by NIC, is now available online for public use. The Secretary, Department of Revenue and Disaster Management and Officials of Department of Survey and Settlement appreciated the efforts of NIC which was attended by Shri Selvakumar Antony, Senior Director (IT) and Shri AR Venkatesh, Senior Director (IT) from NIC and department officials of Survey and Settlement.

EVENTS & HAPPENINGS

ONLINE REGISTRATION AND APPROVAL OF JALLIKATTU BULLS AND BULL TAMERS DURING PONGAL FESTIVAL IN TAMIL NADU

The Online Registration and Approval System for Jallikattu Bulls and Bull Tamers was used for the smooth organization of the famous Jallikattu events conducted at Alanganallur, Palamedu, and Avaniyapuram during Pongal festival in 2026.



Online registration for jallikattu events begins in Madurai

The registration process will remain open till 5 pm on Thursday, and only registered bulls and tamers will be permitted to take part.



During the current year, a total of 36,089 Bull Registration applications were received, of which 9,298 were approved. Similarly, out of 15,765 Bull Tamer Registration applications submitted, 6,094 were approved across 7 districts, covering 16 event locations.

OBSERVANCE OF SWACHHATA PAKHWADA PLEDGE IN TAMIL NADU STATE CENTRE

The NIC Tamil Nadu State Centre and all District Centres actively participated in the Swachhata Pledge taking ceremony on 2nd February 2026, marking the opening of Swachhata Pakhwada 2026.



LETTER OF APPRECIATION TO DIO, TIRUVANNAMALAI DISTRICT, TAMIL NADU FOR THE DEVELOPMENT AND SUCCESSFUL IMPLEMENTATION OF KARTHIGAI DEEPAM 2025 MOBILE APP

Shri Cecil Ilango, DIO, Tiruvannamalai has received a letter of appreciation for successful rollout of Karthigai Deepam Mobile app which was aimed at assisting the citizens who visited the Karthigai Deepam event in Tiruvannamalai.



This section shares key OSS (Open-Source Software) information and essential Linux commands relevant to Server/ Systems used.

Linux Quick Reference: Process Management Commands (RHEL / AlmaLinux / Rocky Linux). Stay efficient on RPM-based systems with this curated set of essential process management commands.

Process Management Commands

The **ps** command is used for listing current processes

- ps -e** - Display all running processes.

List all current running processes in the machine

- ps -ef -f** option will display in a full format listing.
- ps -f -u <user>** - List the processes of a user.
- ps aux** - Detailed Snapshot of All Running Processes

- **%CPU** represents the amount of computing power the process is taking.

- **%MEM** represents the amount of memory the process is taking up.

- **USER** - The user who owns/runs the process.

- **PID** - Process ID - unique number assigned to each process.

- **VSZ** - Virtual Memory Size - total memory the process is using (in KB).

- **RSS** - Resident Set Size - actual physical RAM currently used (in KB).

- **TTY** - Terminal associated with the process.

- **STAT** - represents process state (-R-Running, -S-Sleeping, -D- Uninterruptible sleep, -Z-Zombie, -T-Stopped).

- **START** - Time when the process was started.

- **TIME** - Total CPU time the process has consumed so far.

• **ps -eo comm,etime,user | grep httpd** - Check the execution time of a process.

• **ps -eo pmem,pid,cmd | sort -k 1 -nr | head -5** - Find the top 5 running processes by memory usage.

• **ps tree -np | less** - Display the processes in a tree format -p shows process identification numbers (PIDs) and -n sorts its output in the order of the PIDs.

• **ps -ef --sort=-%mem** - Sort processes based on memory usage

• **ps -ef --sort=-%cpu** - Sort processes based on CPU utilization.

Stop a Process

• **kill <pid>** - To terminate a process, use the kill command and specify the PID. The default SIGTERM signal requests a graceful shutdown.

• **kill -9 <pid>** - To terminate a process, -9: Sends the SIGKILL signal. Forces the process to stop immediately without cleanup.

• **kill -l** - Lists all available signals that can be used with the kill command.

• **killall <process_name>** - To stop all processes with the same name.

Happy Retirement

THANK YOU FOR YOUR VALUABLE CONTRIBUTIONS. BEST WISHES AS YOU STEP INTO THE NEXT CHAPTER OF YOUR LIFE.



Shri A.Ravi Kumar

Scientist G



Shri R.Kannan

Scientist F



Shri J.James ArulRaj

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Shri Johnson Christopher Balraj

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