

C.J.Antony

Deputy Director General &
State Informatics Officer



Dheeraj Kumar

Additional Chief Secretary, Dept of IT &
Digital Services, Govt of Tamil Nadu

New Year is an occasion to give tangible shape to our ideas and wings to our dreams. It's only fitting to reflect the journey sailed throughout the previous year, during the New Year. Let's take a collective breath, have a glimpse of the past for forging ahead with more vigour and zeal. Please welcome NIC THISAI (NIC Tamilnadu's Holistic Information on Services, Activities and Initiatives), the first online quarterly newsletter from NIC Tamil Nadu State Unit.

The maiden issue of the newsletter focuses on the happenings at NIC Tamil Nadu State unit in the concluding months of the year 2023. During this period, our project teams have successfully delivered many innovative features, and fostered meaningful collaborations both within and outside NIC. We express our sincere gratitude to each and every one of you, our dear readers, for your unwavering support to NIC in this venture.

Season's Greetings and Best Regards.

Glad to know that National Informatics Centre, Tamil Nadu State Centre is planning to publish quarterly newsletter covering e-Governance initiatives, Digital India Programme, Technology Advancements in IT field, Success Stories etc.

NIC has been a trusted institution to rely on for most IT interventions and is instrumental in executing many IT projects, making the last-mile delivery of Government services to the citizens a reality.

I would like to place on record my appreciation to the contribution of NIC in successful implementation of projects for Government of Tamil Nadu. Also, ICT infrastructure of NIC like NKN, eMail and video conferencing services has helped everyone to a great extent.

My heartiest Congratulations to NIC, Tamil Nadu on this new venture and my best wishes for success in all future endeavours. I am sure this newsletter will go a long way in taking the e-Governance initiatives and Technology Advancements to everyone in this field.

ABOUT NIC TAMIL NADU

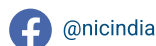
NIC Tamil Nadu provides consistent support to State & Central Departments and PSUs in the State to develop citizen centric eGovernance solutions as well as internet connectivity through NICNET. Further, it provides high speed National Knowledge Network (NKN) connectivity to State Data Centre, various Universities in Tamil Nadu and premier institutions like IIT Madras. SECLAN, the Local Area network at TN Secretariat connecting various Departments and Legislative Assembly Hall is also managed by NIC.

NIC Tamil Nadu has centres for software development and network support at TN Secretariat, Ezhilagam Complex, Madras High Court besides the State Centre at Rajaji Bhavan, Chennai. Mini Data Centre, Mini Cloud and NKN centres are located in the State Centre. NIC Districts Centres are located in all the 38 Districts for ICT services and support at grassroot level. NIC TN has specialised divisions for Mobile App Development and Open Source Technology for development & research activities across the country.

NIC Tamil Nadu has implemented many prestigious projects for the State Government which includes Computerisation of Land Records, Vahan-Sarathi, Town & Village Panchayat Tax, Integrated Temple Management System, eOffice for State & District Administration, Social Welfare Schemes, Pensioners Portal. The Tamil Nadu State Portal is developed and managed by NIC TN State Centre. The State Unit is the abode for development of National Projects such as Government eProcurement system, iRAD-eDAR and CCTNS (Crime and Criminal Tracking Network and Systems) for Police Department.

Website : <https://tn.nic.in/>

eMail : sio.tn@nic.in



@nicindia



@NICMeity



@nicmeity



@NICMeiY

APACHE KAFKA

Apache Kafka is a distributed data streaming platform that enables applications to publish, subscribe to, store, and process streams of messages in real-time.

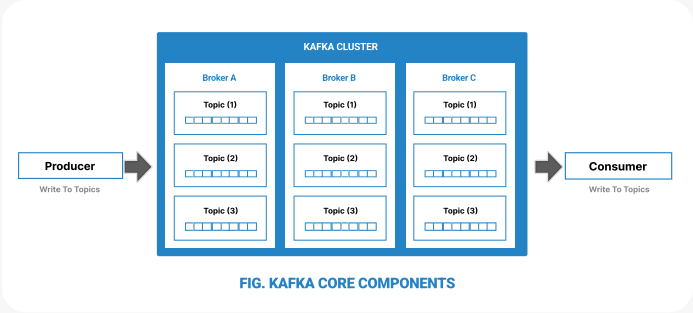


FIG. KAFKA CORE COMPONENTS

Data streaming is a paradigm in which continuous, real-time data flows seamlessly through a system, enabling immediate processing and analysis.

Core Components of Kafka:

- **Message:** A message in Kafka is a unit of data that represents a piece of information. It can be any data format, like text or binary, and is the fundamental entity exchanged within Kafka.
- **Topic:** A topic is a category or feed name to which messages are published by producers and from which messages are consumed by consumers. It's a way to organize and label messages.
- **Partition:** Each topic is divided into partitions, which are essentially separate "chunks" of the topic. Partitions allow for parallel processing and enhance scalability. Messages within a partition are ordered.
- **Consumer:** A consumer is a component that receives and processes messages from Kafka. It subscribes to one or more topics.
- **Broker:** A broker is a Kafka server that stores and manages the streams of messages. It serves as a hub for producers and consumers to exchange data.
- **Cluster:** A Kafka cluster is a group of brokers that work collaboratively to manage the storage and processing of messages. Clusters provide fault tolerance and scalability by distributing data across multiple servers.



Subramanian M
Deputy Director (IT)
eMail : ms.mani@nic.in

PRE-MUTATION MODULE FOR CREATING SUB-DIVISIONS

Pre-Mutation module for creating sub-divisions in TamilNilam and CollabLand software developed by NIC was launched by Hon'ble Chief Minister for all the approved layouts in Web based TamilNilam. In this module the pre-mutations i.e., all the sub-divisions in a layout including the individual plots, OSR, roads etc can be done in one-go. Once the plot subdivisions are created and approved in Tamil Nilam through the new module, all the plots will be recorded in the name of the applicant/ developer. Later, whenever there is a sale/ purchase of a individual plot, there will be automatic mutation (name transfer) in the name of the purchaser.



F-LINE MEASUREMENT

Hon'ble Chief Minister inaugurated the online facility for obtaining field boundary measurements, popularly known as F-Line Measurements, for land owners, on 20 November 2023. The Chief Secretary, Senior Secretaries, Heads of Departments were present during this function.

This feature enables citizen to submit applications for F-Line Measurements at <https://tamilnilam.tn.gov.in/citizen> and make necessary payments online. Facility has been provided to intimate the date of field inspection by the Surveyor to the applicant through SMS. On completion of measurement process, the F-Line Measurement order signed by surveyor, applicant and two witnesses will be issued to the applicant. The order can be downloaded from <https://eservices.tn.gov.in> portal also.





Launch of Tamil Nadu Raj Bhavan Website, and Tamil Nadu Raj Bhavan Tour - Online Booking System

The Hon'ble Governor of Tamil Nadu, **Shri R. N. Ravi** launched the revamped Website of Tamil Nadu Raj Bhavan, <https://tnrajbhavan.gov.in> and Tamil Nadu Raj Bhavan Tour - Online Booking System, <https://tnrajbhavantour.tn.gov.in> on 02nd October 2023 at Raj Bhavan, Chennai during the Gandhi Jayanthi Celebrations.

The Launch event took place in the presence of First Lady of Tamil Nadu, Smt. Laxmi Ravi, Shri Anandrao Patil I.A.S, Principal Secretary to Governor, Dr. T. Sengottaiyan, Deputy Secretary & Comptroller, Governor Household office, Shri. C. J. Antony, SIO & DDG, Tamil Nadu and Shri M. Kamalakkannan, DDG. The Hon'ble Governor appreciated the efforts of NIC and congratulated the NIC TNSC team during the launch programme.

Launch of Online Portal for Tamil Nadu Village Panchayat Tax Management

The Hon'ble Chief Minister of Tamil Nadu **Thiru M.K. Stalin** on 26 Sept 2023 has launched the online Application for Collection of various Taxes by Village Panchayats. The application was developed by NIC Tamil Nadu State Centre for Rural Development and Panchayat Raj Department of Government of Tamil Nadu and can be accessed at <https://vptax.tnrd.tn.gov.in>.

Around 1.42 Crore Properties and 35 Lakh water connections are entered in the portal by Village Panchayat Secretaries who are posted in Village Panchayats. Point of Sales Machines (POS) machines are provided to all Village panchayats for easier tax collection.



Study Visit of Standing Committee on Communications and IT to NIC, Tamil Nadu

The Standing Committee on Communications and Information Technology undertook an on-the-spot Study Visit to Visakhapatnam, Tirupati, Mahabalipuram and Mumbai from 4th October to 10th Oct, 2023. An hour-long presentation and discussion with MeitY & NIC regarding review of functioning of NIC was conducted on Friday, 6th Oct 2023 at Mahabalipuram.

Nine Officers of NIC - Tamil Nadu State Centre along with Officers from MeitY and Lok Sabha Secretariat attended the meeting. The presentation highlighted NIC's instrumental role in executing key IT projects, in close collaboration with Central and State Governments, making the last-mile delivery of Government services to the Citizens a reality, through a variety of digital solutions. The Hon'ble Chairman and members of the Standing Committee appreciated the efforts of NIC.

Launch of Coal eAuction Portal

Sh. Amrit Lal Meena, IAS, Secretary, Ministry of Coal, Govt. of India launched the Coal eAuction portal, <https://coaleauction.co.in> on 03.10.2023 at Ranchi. On this occasion Shri. P.M. Prasad, CMD (Coal India Limited), Shri. Manoj Kumar, CMD (CMPDIL) and NIC officers were present.



Coal eAuction portal is a secure and transparent platform for conducting Electronic Auction of Coal Products by Coal eAuction of Coal India Ltd. (CIL) and its subsidiaries. The Coal Auction is conducted in two stage, first to select bidders based on their bid seniority and then in the second stage, allocation of coal quantity based on selected transportation mode by the bidders to lift the coal from coal loading points.

DISTRICT AT A GLANCE

KANCHEEPURAM DISTRICT



Tmt. Kalaiselvi Mohan I.A.S
Kancheepuram Collector

Website : <https://kancheepuram.nic.in>

ICT Support and Implementations

- Hon'ble Prime Minister Awards for Excellence in Public Administration-2022 through Video Conference meeting with District Collector.
- Hon'ble Chief Minister, Tamil Nadu inaugural function at Pachaiyappa's College for Men, Kancheepuram on "**Kalaignar Mahalir Urimai Thittam**" on 15/09/2023.



Successfully implemented the following

- Pongal Saree / Dhoti Scheme in all 5 Taluks in Kancheepuram.
- Comprehensive Accident cum Life Insurance Scheme - <https://gdp.tn.gov.in>.
- Integrated Court Case Monitoring System (ICCMS) in Collectorate
- VAO Online Transfer Portal for District Administration.
- Online OAP petition processing system in Kancheepuram district.
- Social Security Schemes – Disbursement of pension to the beneficiaries of age group of 80 years and above by money order through postal department.
- Web Enabled Collabland- Digitization of Missing FMS - 8A changes has been completed successfully in all the 5 Taluks in Kancheepuram.
- Natham Land Records Online for three Taluks viz., Kancheepuram, Uthiramerur and Walajabad. <https://tamilnilam.tn.gov.in/Revenue/login.html>
- iRAD application for the stakeholders Police, Transport and Highway Departments. Training was imparted to the officials of Police, Transport and Highways Department.



K Ramesh, Director (IT)
District Informatics Officer - Kancheepuram

eMail : dio-kcp@nic.in

CUDDALORE DISTRICT



Dr. A. Arun Thamburaj I.A.S
Cuddalore Collector

Website : <https://cuddalore.nic.in/>

ICT Support and Implementations

- Live Webcasting support for Hon'ble Prime Minister Inauguration of **75 Ramsar Sites** at Pichavaram Mangrove Forest Site on World Environment Day.
- Web based Project for ePatta generation has been implemented to benefit ADW/DBCW beneficiaries in the District.
- Web Collabland Portal is implemented in all the 10 Taluks of the district in order to capture FMB details.
- 3 out of 10 Taluks Natham records have been successfully computerised.
- Social Security Schemes (SSS) covering 8 different OAP Schemes are successfully rolled out in the District by capturing all beneficiary details using this online application and an amount of Rs. 1200/- is being disbursed promptly through Banks and eMOs every month
- Integrated Road Accident Database (iRAD) Project successfully rolled out in the District and nearly 2547 accident cases are registered using the Mobile App and the Web Application. District stands 12th place in capturing the accident details in the State.



- National Database of Arms Licenses-Arms License Issuance System (NDAL-ALIS) is a portal to facilitate entrepreneurs and Industries applying for Licenses related to manufacture of Arms and Ammunition and to facilitate individuals applying for Arms Licenses under Arms Act, 1959 and Arms Rules, 2016. So far, 146 Arms License are issued.



Ranganathan B, Director (IT)
District Informatics Officer - Cuddalore

eMail : dio-cdl@nic.in