

# Tirunelveli District

Where District Administration is Reinforced by ICT Tools

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Tirunelveli District is one of the oldest districts in Tamil Nadu which is always prominent for its richness in Administration. It is also named "Oxford of South India" due to its large number of educational institutions. Though the District Administration is always succeeding in a traditional way of administration but never hesitates to embrace ICT technologies that benefit the common people ultimately.

NIC Tirunelveli District Centre was established in August 1988. From then, with the active support of the District Administration, this office is always able to come out with many innovative e-Governance projects, products, and services that are first of their kind in the entire State.

## ICT Initiatives in the District

### CSC-Nellai - G2C Mobile App

Common Service Centres are the gateway to avail ONLINE Services from Government Departments. The public is not aware of the availability of CSCs in their locality. To avoid this, a mobile application was developed, which is christened as "CSC Nellai", where 'Nellai' is the pet name of the District. This Mobile App was launched on 17th September 2018.

**It has the following features:**

- Spatial and non-spatial parameters of all 383 CSCs are embedded in the App itself in SQL-Lite mobile database
- Interactive Open Street Map was used as a base layer
- Geographical aerial distances can be calculated
- User may make a direct 2G based voice call to the centre
- Locations of all CSCs can be viewed for a given radial distance and selected service category

### GIS based Polling Stations Monitoring System

During the general election in 2019, to monitor all 2,979 polling stations, an innovative and first-of-its-kind GIS-based Software "General Election - 2019: Tirunelveli", was developed. The project was a joint venture by NIC and Tirunelveli District Administration.

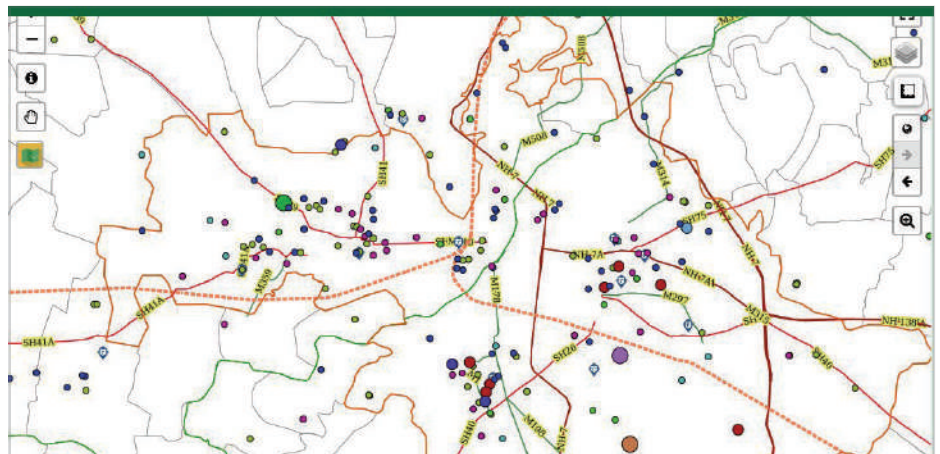


It gives me great pleasure to inform that NIC, Tirunelveli District Centre plays a vital role in spreading IT culture in the District. "CSC-Nellai", 'Election-2019: TIRUNELVELI' and "Video Conference-based Public Grievances weekly meeting" are some of the innovative products and services of NIC which are first of their kind in the State. Further, I wish to share that the GIS-based polling station monitoring system has brought the '3rd Digital Transformation National Award' and "Best Practice - IT initiatives Award" to this District. I appreciate the active technical support of NIC and wish for continuous and innovative performances in the future too.



**SHILPA PRABHAKAR SATISH, IAS**  
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▼ Locations of Polling stations with village boundaries



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▲ Smt. Shilpa Prabhakar Satish, I.A.S., District Collector conducts public grievances meeting through NIC supported Video Conference facility

- Following initial steps have been taken:
- “Open-Street Maps” was kept as a base layer
  - All 616 Village polygons are mapped into their corresponding Assembly Segment
  - Spatial data like Latitude and Longitude values and non-spatial data like voter’s detail, vulnerability status, availability amnesties, etc., were fed
  - Map layers like Fire Stations, Railway Lines, Road Transport, Police Stations were integrated
  - The users can view any PS by zooming up to a hamlet level
  - Using this GIS Application the following maps are generated
  - Parliamentary maps and Assembly maps of all 2,979 Polling Stations
  - It is also supported to generate the dynamic map outputs based on various spatial & non-spatial queries

- For example, dynamic maps can be generated based on the number of PS located in a single location, with the location of PS based on their vulnerable or sensitive status, based on the number of voters, etc.

### COVID-19 : Weekly Public Grievances Meeting through Video Conference

District Administration was not able to conduct weekly Public Grievances meetings due to COVID-19. But with the technical support extended by National Informatics Centre Tirunelveli, weekly GDP meeting is being conducted through Video Conference from 03-08-2020 onward. National Informatics Centre extended its support for the initiation of the web meeting, managing the virtual queue every week. This idea has attracted the attention of local media and is accepted well by all.

▼ District Collector, DIO, and ADIO of Tirunelveli receiving the 3rd Digital Transformation National Award



## Other Key Initiatives

### Pensioners Legacy Data capturing

In order to capture pensioner data and legacy data for Tamil Nadu State Government Pensioners ONLINE database, software was designed and implemented in all districts of the State. By using this, nearly 4 lakh+ numbers of pensioner legacy data were successfully migrated.

### Heat Map/ Thermal Map for COVID-19

COVID-19 Thermal Map was generated based on corona patient’s residential geo-location details. The map was generated using the data visualization technique of GIS and the same is published on the District Website periodically.

### Other Major Projects Accomplishment

- Support for PM-KISAN Scheme through which District Administration is able to send Rs. 66.41 Crore to 3.16 lakh farmers
- Support for Tamil-NILAM Rural and Urban Modules
- Support for OAP Back Office Applications for the benefits of 77,000+ beneficiaries
- Support for CMUPT Back Office Applications for 51,000+ Farmers
- 250+ High Definition Video Conference services annually

### Video Conferences of Hon’ble Prime Minister of India

Multipoint web-based HD VC session was held for the interaction of Hon’ble Prime Minister of India from New Delhi, the President of Russian Federation from Russia, Hon’ble Chief Minister of Tamil Nadu from Chennai with Kudam Kulam Nuclear Power Polan (KKNPP) for

- dedication of Unit – I to the nation on 10/08/2016
- dedication of Unit - II to the nation and inauguration of the foundation work of Unit-III and Unit-IV on 15/10/2016

### Awards

Tirunelveli District Administration has received the “3rd Digital Transformation National Award” on 6th November 2019 during a function held in New Delhi for the innovative use of GIS for the General Election.

### Way Forward

All these are possible because of mutual support and coordination extended by District Administration. DIO, ADIO, and FMS engineers have received “Commendation Certificates” from District Collector for the technical support extended and these Awards boost us further to achieve more.

For further information, please contact:

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