



Department of Electronics and Information Technology
Ministry of Communications and Information Technology
Government of India



Digital India

Workshop on Geo-Informatics

By Nagaland SeMT
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Salient Features of GIS in Nagaland

- GIS cell is functioning directly under the State Department of Planning & Coordination.
- As per the present arrangements, the Department of IT & C has no role.
- The relevant informations were collected by SeMT from the GIS Cell.
- DeitY, New Delhi may define the future role of the State Department of IT & C in GIS related project(s) to achieve the vision of DIGITAL INDIA.

Progress of Nagaland in Implementing GIS based Decision Support Systems (DSS)

Sl. No	Name of the Owning State Department	Name of the Implementing Agency	Implementation Area <e.g. Agriculture, Natural Disaster, Forest, Aviation, Mining, Infra., Health etc.)
1	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	Administrative Geospatial Database (Maps) : Implementation Phase – drainage Network, Education, Election, Fire Station, Forest, Geology, Health, Landuse, Police, Relief, Road Network, Tourism & Wasteland
2	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	Nagaland Spatial Data Infrastructure: Live - real-time data on road network, rail, drainage, industries, assembly constituencies, polling stations, tourist spots

Progress of Nagaland...

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3	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	Digital Elevation Model (DEM): Completed - satellite imageries for seamless 3D terrain visualization of the entire state of nagaland and to evaluate terrain conditions
4	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	Nagaland State Land Use Information System (NLUIS): Live Land-use information 1:50,000 scale using LISS-III and Cartosat satellite imageries & Survey of India toposheets
5	Department of Health & Family Welfare	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	Health Infrastructure Management System: Live - In accordance with National Rural health Mission (NRHM) as well as Indian Public Health System (IPHS) guidelines

Progress of Nagaland...

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6	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	Road Information System: Live <i>- GIS road information system is being developed in association with Road & Bridges Department</i>
7	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	Vehicle Tracking System: Live <i>- GPS technology helps to track vehicle position on a map in real time</i>
8	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	National Geomorphology and Lineament Mapping: Live <i>- a joint initiative of Nagaland GIS and RS Centre with Geological Survey of India (GSI) and ISRO</i>

Progress of Nagaland...

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9	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	Unmanned Aerial Vehicles (UAV): Live <i>- application of UAVs in law and traffic enforcement, rescue operation and disaster management, forest fire surveillance & town planning</i>
10	Planning & Coordination	Nagaland GIS & Remote Sensing Centre (a division of Planning & Coordination)	3D Terrain Model Milling Laboratory: Live <i>- representation of real world terrain in 3 dimensional geographic landscapes using complex curved geometries and positioning control.</i>

Nagaland GIS Implementation Stage

- GIS and Remote Sensing Centre functioning under the guidance of the Department of Planning & Coordination is coordinating all line departments
- Annual Planning meeting is being conducted at the strategic levels and there is some kind of knowledge sharing across various nodal agencies and Line departments
- GIS Framework is under discussion mode
- SeMT is functioning under the Department of IT & C and the GIS unit is functioning under the Department of Planning and Coordination.

GIS Plans / Goals of the State

Currently GIS cell in the State of Nagaland is directly functioning under the Department of Planning and Coordination. Since GIS is included in the main pillar of Digital India (Pillar 4, 5 & 6), it is felt that a general circular or advisory note from the Ministry of Communication & IT, DeitY, New Delhi should be issued to all State Governments to shift all GIS related works from different State Departments to the respective Department of IT & C for uniformity and ease of monitoring.

Support Desired from DeitY

- DeitY can support us on the followings:-
 - Geospatial Research & Development
 - Up gradation of Infrastructures (Laboratories, Library, UAVs, internet connectivity, survey, equipments, etc.)
 - Manpower support
 - Geospatial Data dissemination at the grass levels.

Thank You