

CENTRE FOR INNOVATIONS IN PUBLIC SYSTEMS

(An Organization Established with Funding from Government of India)



**Proposal
for
Two Day Thematic Workshop
on
Use of GIS in Informed Planning and Decision Making**

Submitted to

**National e-Governance Division (NeGD)
Department of Electronics & Information Technology (DeitY)
Ministry of Communications & Information Technology
Govt. of India**

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Project Proposal
for
Two Days Thematic Workshop on “Use of GIS in Informed Planning and Decision Making”

Background

Geographic Information System (GIS) is a system designed to capture, store, manipulate, analyse, manage and present all types of Spatial/Geographical data. GIS applications are tools that allow users to create interactive queries, analyse spatial information, edit data in maps and present the results of all the operations. GIS enables the process of planning and decision making for an effective and efficient monitoring and management of various services in public systems.

Given the above, it has been proposed to conduct a Two Day Thematic Workshop on “Use of GIS in Informed Planning and Decision Making” in order to examine the strength and utility of GIS technologies in the resource planning and management in public systems.

The aim of the present proposal is to address the use of new technologies, like Geographic Information Systems (GIS) and Global Positioning Systems (GPS) which can serve as valuable tools for assessment, analysis and development of various services provided by the Government and other Stakeholders.

Objectives:

The main objectives of the workshop are:

- To understand the GIS concepts, tools and techniques
- To provide an exposure to the digital image processing techniques for the analysis and classification of satellite data
- Methodology of using multi-purpose 2D/3D/4D, standardized, authenticated, common field level geo-spatial databases
- National GIS platform
- To understand the data, analysis & management of spatial and non-spatial data and its integration
- To showcase various innovative/best practices on use of GIS technologies in various sectors and assess the replicability in different States to enhance service delivery system.
- To provide an opportunity to share experiences of the participants related to their specific work and to use GIS for more productive and systematic spatial analysis

Target Audience

Senior level Officers from the following Govt. Departments both at the Central level and State level:

- Forest
- Urban Development
- Human Resource Development / Education
- Health
- Rural Development
- Panchayats
- Mines & Minerals
- Disaster Management
- Agriculture
- Dept. of Regional Planning
- Environmental Affairs
- Natural Resources & Forestry
- Water Resources

One SeMT resource from each State / UT identified by IT Secretary for GIS purposes.

Other IT Secretary nominated member from State / UT agencies like NIC, who have been instrumental in setting up the GIS environment at the State level.

Methodology:

Pre Workshop

- Constitution of dedicated CIPS team
- Identification:
 - Scanning and Scouting for Innovative practices and policies on GIS tools & technologies in different States in India
 - Identifying the Stakeholders/Nodal Departments/Institutions/Agencies in public systems dealing with GIS technologies
- Documentation: Preparing a brief database on the identified innovative/best practices on GIS technologies
- Creating Online Repository to public access to the information relating to best practices documented
- Facilitating online posting of best practices related to GIS by various stakeholders

During Workshop

- Dissemination: Sharing the identified practices with various Stakeholders/Nodal Departments/Institutions/Agencies for discussions, interaction and capacity building.
- In-depth discussion on various practices and recording suggestions and recommendations for further research and development.
- Motivating the participating stakeholders to share the ongoing applications/projects on GIS in their respective States.

Post Workshop

- Preparation of workshop proceedings with the suggestions/recommendations received from the Stakeholders
- Sharing the proceeding with all the participants

- Developing a follow up mechanism to find out the replication efforts made in the respective States.

Deliverables/Output

- Enhancing the knowledge and exposure of the participants on basic aspects as well as of application of Geospatial technology.
- The Stakeholders/Nodal Departments/Institutions/Agencies will be in a position to establish their GIS lab with nominal investments
- A compilation of “lessons learnt” about the development of GIS based initiatives and their use
- A catalogue of existing GIS initiatives in different States in India