Training Programme on Applications of Geoinformatics in Disaster Management

Dates : 13-17 February, 2012

Venue : NIDM, IIPA Campus, New Delhi - 110002

Course Team : Sreeja S. Nair, Assistant Professor, Course director, sreejanair22@gmail.com
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Course Contents :
- Introduction to Geo-informatics and Applications in Disaster Management
- National Map Policy and framework for Spatial Data Management
- Principles of Remote Sensing and Digital Image processing and applications in DM
- Demonstration/hands on Exercise on Sub setting, Geo-referencing, Enhancement, Fusion, classification
- Spatial Data and Geo-informatics tools for Disaster Management – Advantages and practical issues and limitations
- Introduction to open source GIS
- Quantum GIS functions Demo
- Arc GIS Functions and Demo
- Geo-informatics for Drought Early Warning & Monitoring
- GIS based Spatial Decision Support Systems for Floods and Drought
- Hands on Exercises
  - Analyzing Multi Date Data for Drought Early Warning and Monitoring using ENVI
  - Preparation of EQ hazard map for Uttarakhand (Quantum and Arc GIS)
  - Landslide Hazard Zonation and Susceptibility Mapping
  - Mapping Flood Inundation of Nagaon District of using RADARSAT data.
  - Flood Damage Assessment (Arc GIS)
  - Storm Surge Hazard Mapping, Vulnerability and Risk Assessment
  - Open source data collection, collation and analysis (introducing Landsat ETM, SPOT Vegetation, SRTM & Google Earth)

Course Fee : There is no course fee. Boarding & lodging arrangements are provided by the institute free of charge.

Target group : The course is only for Government Officers. Applications from students and private agencies will not considered.

Last Date of receiving nomination : 30 January 2012.
Further details of the programme available in the brochure.