

Government of Karnataka
Centre for Disaster Management
ADMINISTRATIVE TRAINING INSTITUTE
Lalith Mahal Road, Mysore – 570 011
www.atimysore.gov.in
Tel.:0821 2443839, 2522142, 2443264 Fax : 2523899

Training Programme on GIS, Remote Sensing & GPS Application in Disaster Management

Venue

Course Coordinators

Course Assistant

Objectives:

At the end of the course, participants will be able to;

- ✓ Define the disaster and related terminology and identify the specific problems in the district
- ✓ Explain steps to formulate DDM Plan using templates and Information technology
- ✓ Describe GPS, RS, GIS
- ✓ Explain concept of cadastral map, Coordinate System and attribute in Maps
- ✓ Identify the features on Satellite Images
- ✓ Conduct HRV analysis & Prepare vulnerability maps using Information Technology
- ✓ Apply the knowledge and skills of Information for effective management of disasters
- ✓ Explain the importance of geo-rectification, Thematic layer & Data base creation in DM
- ✓ Explain the importance of Automation of DDMP

Sessions:

I	09:30 am to 10:30 am		
II	10:30 am to 11:30 am	11:30 am to 11:45 am	Tea Break
III	11:45 am to 12:45 pm		
IV	12:45 pm to 01:45 pm	01:45 pm to 02:30 pm	Lunch Break
V	02:30 pm to 03:30 pm	03:30 pm to 03:45 pm	Tea Break
VI	03:45 pm to 04:45 pm		
VII	04.45 pm to 05.45 pm		

Sessions will continue until the activities of the day are completed.

Programme Schedule

Day/Sessions	Topic	Resource Person
DAY-1 09.30 AM -10.30 AM	Registration Eliciting Expectations & Course Objectives	
10.30 AM -11.30 AM	Inauguration – Application of Information Technology in Disaster Management	
11.45 AM - 01.45 PM	Principals of Disaster Management - Concepts and Terminology, HRVC & Disaster profile of the India, Karnataka State – An Over view	
2.30 PM – 05.30 PM	Disaster Management System- The Disaster Management Support (DMS) Programme of ISRO	
DAY-2 09.30-11.30AM	Basic Concept of Remote Sensing, GIS and GPS	
11.45 AM – 01.45 PM	Geospatial Techniques in Disaster Management – Case Studies of Urban Practitioners programme of IIHS	
02.30 PM – 05.30 PM	Visit to GPS Division , Mysore City Corporation – Application of GPS in Integrated Solid Waste Management Visit to KRSRAC Regional Centre, Mysore - Application of GIS, GPS & RS in various level Map preparation	
DAY-3 09.30 AM – 01.45 AM	Remote Sensing & GIS Application in WRD - Case Studies	
11.45 AM-01.45 PM	Importance of Information technology in Natural Disaster Risk Reduction –	

	Karnataka State experience	
02:30PM – 04:45PM	Basic concepts of Topo sheets, Cadastral maps, Coordinate system and attributes in the maps	
DAY-4 09.30 AM – 11.45 AM	Overview of GIS Software and Application in Disaster management Demonstration – Georectification Thematic layer & Data base creation, and map preparation for Disaster Management	
02.30 PM- 05.30 PM	Hands on exercise - Georectification Thematic layer & Data base creation, and map preparation for Disaster Management	
DAY-5 09.30 AM – 11.30 PM	Hands on exercise - Georectification Thematic layer & Data base creation, and map preparation for Disaster Management	
02.30 PM – 04.45 PM	Group Exercise on Preparation of GIS maps for District/Taluk/Village/Community Level Disaster Management Plan –Group Work	
04.45 PM – 5.30 PM	Individual Action Plan & Internal Validation	

Course Coordinator