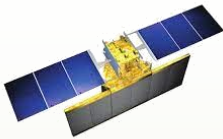# Training Programme on
Geospatial Technologies for Disaster Risk Reduction

Date:
15 - 19 December 2025

Venue:

Outreach & Training Centre (OTC)
RRSC-Central, NRSC, ISRO

Amravati Road, Nagpur

Organised by

Regional Remote Sensing Centre - Central (RRSC-C)
National Remote Sensing Centre
Indian Space Research Organisation

About NRSC:

The National Remote Sensing Centre (NRSC), established in 1974 as the erstwhile National Remote Sensing Agency (NRSA), is one of the key centres of the Indian Space Research Organisation (ISRO) under the Department of Space (DoS). NRSC is entrusted with the responsibility of establishing ground stations for satellite data reception, generating data products, disseminating them to users, and developing advanced techniques for remote sensing applications. Its contributions span critical areas such as disaster management support, geospatial services for good governance, and capacity building for professionals, academia, and students.

Regional Remote Sensing Service Centres were established during 1985-86, in the five regions of the country under NNRMS, ISRO HQ, and later amalgamated with NRSC in 2009 and renamed as Regional Remote Sensing Centres (RRSCs). The Regional Centres have been providing remote sensing applications, geospatial technology services and capacity building/training in the five regions of the country. RRSC-Central, Nagpur mainly provides remote sensing & geospatial technology application services to the States of Chhattisgarh, Madhya Pradesh & Maharashtra. RRSCs work in close coordination with NRSC, Hyderabad for also execution of various national level remote sensing application projects and capacity building.

About the Training Programme:

This 1-week training programme on "Geospatial Technologies for Disaster Risk Reduction" scheduled during 15th to 19th December 2025 is specifically aimed at enhancing awareness of the role of satellite remote sensing, GIS, GNSS and AI/ML in addressing the growing challenges of disaster management. The training programme will focus on all aspects of disaster management life cycle pertaining to major disaster like cyclone, flood, landslide, earthquake, forest fire and lightning etc. The training aims to strengthen the technical capacity of officials involved in the disaster management and risk reduction aspects from the states of Madhya Pradesh, Chhattisgarh, and Maharashtra.

Training Programme Topics:

- Space Technology for Disaster Management.

- Application of Remote Sensing, GIS GNSS and AI/ML Technologies in Disaster Risk Reduction for major disasters such as flood, cyclone, agriculture drought, forest fires, landslides, earthquakes and lightning etc.

- Hands-on experience on Geospatial Solutions for Disaster Management using open source tools.

- ISRO's NDEM, BHUVAN and BHOONIDHI Geoportals.

- Region-Specific Disaster Challenges: Field Experiences

Target Audience:

Officials from State disaster management authorities, State Remote Sensing Centres, Academia and NGEs from Madhya Pradesh, Chhattisgarh, and Maharashtra.

Registration:

- Registration is by nomination from respective State disaster management authorities, other State Departments, Academia and NGEs. **The number of seats are limited to 25, on first-come-first-serve basis.**

- Registration / participation is **free of cost.**

- Nominations should be sent to Training Coordinator, RRSC-Central by email prakasarao_ds@nrsc.gov.in by **28th November 2025.**

Contact us

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