



**NATIONAL INSTITUTE OF RURAL DEVELOPMENT & PANCHAYATI RAJ  
NORTH EASTERN REGIONAL CENTRE  
KHANAPARA, GUWAHATI - 781 022**

**COURSE BROCHURE**

**Title of the Programme: ToT on Geospatial Technologies for Planning NRM Works  
under MGNREGA (June 07 – 11, 2021)**

**Background:** Mission Water Conservation (MWC) is a planning and monitoring framework for Natural Resource management related works under Mahatma Gandhi NREGA (MGNREGA), Pradhan Mantri Krishi Sinchayee Yojana (PMKSY). The Geoinformatics approach takes into consideration various elements of natural resources, viz., all base layers, existing land use / land cover, soil map, hydro-geomorphology, terrain slope, drainage, watershed maps and local peoples' aspirations with respect of socio economic considerations to suggest a suitable action plan for sustainable development of natural resources after scientific analysis of the spatial and non-spatial data.

For Natural Resource Management planning, the Geoportal of NRSC, Bhuvan and Google earth has solution. These portals have high resolution satellite data and thematic information related to many necessary parameters of NRM planning to analyse. It gives near accurate locations of required water conservation/harvesting structures.

This training has been designed to introduce and provide working knowledge and skills on these basic concepts, tools and technologies for planning NRM works under MGNREGA.

**Objectives:**

- ❖ To acquaint with basic concepts of Watershed, Natural Resource Management and Mission Water Conservation.
- ❖ To acquaint with basics of Geoinformatics (RS, GIS & GPS)
- ❖ To familiarize with Bhuvan and Yuktdhara portals for planning support.
- ❖ To develop working skills on the usage of mobile GPS for asset mapping (Geo-tagging)
- ❖ To develop working skills on analyzing the GIS data layers for NRM planning using Bhuvan/Yuktdhara.

**Programme Content:**

- ❖ Introduction to Geo-informatics (RS, GIS & GPS)
- ❖ Integrated NRM Planning under MGNREGS- Geospatial approach
- ❖ Introduction - Yuktdhara Geo-Spatial application for INRM Planning
- ❖ Demonstration of Yuktdhara and Bhuvan Portal for INRM Planning
- ❖ Demonstration of Mobile GPS for Geo-tagging of NRM assets and Preparation of INRM Plan under MGNREGA for a GP etc.,

**Clientele Group:** The course is intended for STRTs/DTRTs/ Engineers, GIS Coordinators and Officials working with MGNREGA

**Duration:** Five days (June 07-11, 2021)

**Course Fee:** There is no course fee.

**Venue/Type of programme:** Online

**Course Directors:** Dr. A. Simhachalam

**Last date:** Online registration should be done on or before May 31, 2021.

**The link for registration:** <https://forms.gle/hXH12cDkDsaLbBrNA>