



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

COURSE BROCHURE

Title of the Programme: Application of Geo-Spatial Technologies for Resource Mapping for RD programmes (November 23-27, 2020)

Background: The preparation of resources inventory is mandatory is necessary condition for preparation of well-articulated and appropriate plan under any rural development programmes. The Geo-Spatial Technologies have the ability to generate, store, retrieve, analyze and display the accurate and up to date stock of various resources and has been a powerful tool for management of the resources on sustained basis.

The development department's particularly agri-allied, soil conservation, forest, irrigation, rural roads, Drinking water and Sanitation etc. in the states while implementing the rural development programmes are found to accomplish the resource management task without the application of this powerful advance tool. This is found largely due to lack of application skill of the technology among the officers expected to discharge the job. In order to fill this application skill gap, a training programme titled "Application of Geo-Spatial Technologies for Resource Mapping for RD Programmes" proposed through online mode.

Objectives:

- a) To acquaint with the concepts of Geo-Spatial Technologies and the related hardware and software.
- b) To develop a skill on the usage of GPS for asset mapping.
- c) To enable the participants to evaluate the natural resources using the latest Geo-Spatial technologies.
- d) To acquaint participants with various data sources (Toposheets and satellite images) for generation of Resource Mapping for planning and monitoring purpose.

Programme Content:

- ❖ Introduction to Geo-Spatial Technology (GIS, Remote Sensing and GPS)
- ❖ Geo-database requirements for resource mapping relating to Rural Development programmes.
- ❖ The Operating Methodologies of Geo-Spatial Technologies in RD programmes.
- ❖ Hands-on in GIS software for resource mapping
- ❖ ICT/MIS Applications in RD Programmes
- ❖ Geotagging through mobile applications and Geomapping of RD Programmes
- ❖ Internet Mapping Technologies for evaluate the resources etc.

Clientele Group:

The course is intended for State and district level officers from the department of rural development including DRDAs, Panchayati raj, agriculture, soil & water conservation, forest, agriculture, fisheries, disaster, irrigation, rural roads, Drinking water & sanitation, rural works and senior executives of NGOs engaged in Resource Mapping.

Duration: Five days (November 23-27, 2020)

Course Fee: There is no course fee.

Venue/Type of programme: Online

Course Directors: Dr. A. Simhachalam & Shri S.K. Ghosh

Last date: Online registration should be done on or before November 18, 2020.

The link for registration: <https://forms.gle/xFyi1euu99e3b14J9>