



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

COURSE BROCHURE

Title of the Programme: Online Training Programme on Geo-ICT Applications in Rural Development Programmes (July 19 – 23, 2021)

Background: Rural development implies bring about of economic betterment of people as well as greater social equity and transformation. The key elements concluded in it are elimination of poverty, ignorance, diseases and inequality in livelihood opportunities and provision of connectivity, services and amenities for better and higher quality of life. Creation of social and economic environment, physical environment and rural services and amenities thus are critical for rural development.

The geospatial technologies including Remote Sensing (RS), Geographic Information System (GIS) and Global Positioning System (GPS), individually as well as jointly besides various applications have emerged as critical information and decision support tools enabling management authorities to make effective management decisions. In line with such development, Ministry of rural development, government of India has made application of geo-spatial technologies, mobile applications and Management Information Systems (MIS) for planning and monitoring of rural development programmes/schemes like MGNREGA, PMKSY, PMAY (G), PMGSY, NRDWP and SBM etc. It is in this context, the present course is proposed in NIRDPR-NERC, Guwahati.

Objectives:

- ❖ To introduce basics of Geo-spatial technology (GIS, RS&GPS) along with mobile applications.
- ❖ To orient with the various applications of Management Information System (MIS) of Rural Development (RD) programmes.
- ❖ To acquaint with various hardware, software, manpower and data requirement for application of Geo-ICT for Rural development.
- ❖ To impart hands-on exercise on Geospatial and ICT applications of RD.

Programme Content:

- ❖ Introduction to Geo-informatics (RS, GIS & GPS)
- ❖ Rural Development and the Geo-ICT Components for effective Planning and Management of RD programmes
- ❖ ICT tools and their applications in Rural Development
- ❖ Applications of ISRO Bhuvan in RD
- ❖ Geotagging and Geomapping of the assets created under RD programmes
- ❖ e-Governance Applications in RD
- ❖ Mobile applications for monitoring of assets under Rural Development Programmes
- ❖ MIS for Rural Development Programmes
- ❖ Online GIS mapping applications for RD (GoogleEarth, GramManchitra and SoINakshe 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 conservation, forest, rural works, and faculty of SIRDs & ETCs etc.

Duration: Five days (July 19-23, 2021)

Course Fee: There is no course fee.

Venue/Type of programme: Online

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

Last date: Online registration should be done on or before July 14, 2021.

The link for registration: <https://forms.gle/y6gJ83yVPVYAmN4T6>