

**Seminar
on
Geoinformatic Applications in
Land, Water and Infrastructure Development
(March 22-23, 2023)
INFORMATION BROCHURE**



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

INVITATION TO NATIONAL SEMINAR

The National Institute of Rural Development & Panchayati Raj (NIRD&PR) – North Eastern Regional Centre, Ministry of Rural Development, Government of India, invites applications for participation in the National Seminar On “Geoinformatic Applications for Land, Water and Infrastructure Development” during March 22-23, 2023, to be held online by NIRD&PR-NERC, Guwahati. NIRD&PR’s mission is to examine and analyse the factors contributing to the improvement of economic & social well-being of people in rural areas on a sustainable basis with focus on the rural poor by improving the knowledge, skills and attributes of rural development officials and non-officials through organizing training, workshops, seminars and conferences.

THE INSTITUTE

The National Institute of Rural Development and Panchayati Raj is the apex institution for training and research in rural development in India. It is an autonomous body under the Department of Rural Development (MoRD), Govt. of India. The Institute’s endeavours are aimed at examining the strategy and programmes of rural development in the national socio-economic growth process. The broad areas on which it concentrates its efforts relate to: 1. Social and economic change, 2. Institution building, 3. Micro level planning, 4. Human resource development, 5. Technology transfer and 6. Policy formulation and options in rural development. Within each area, specific R&D studies are developed and training programmes, seminars and workshops with focus on these areas are organized. These are generally of short duration not exceeding one week.

NORTH EASTERN REGIONAL CENTRE, GUWAHATI

The North Eastern Region comprising the states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura is characterized by some special features of physical and socio-economic conditions typical in nature and located in an isolated region. It had been felt over the years that rural development effort in this region suffers from various inadequacies including lack of proper understanding of the problem, trained manpower and training infrastructure for undertaking orientation and refresher courses for the developmental functionaries, like the Officials and the elected representatives. Moreover, due to physical distance and difficulties of transportation and communication, personnel connected with planning and implementation of rural development programmes have not been able to take advantage of availing of the training courses conducted by NIRDPR at Hyderabad.

Further, it has been ascertained that the officers and the elected representatives from this region often attend training programmes in Hyderabad, which are not having adequate references to the specific conditions and situations of this region. It is in this light that the National Institute of Rural Development decided to establish the North Eastern Regional Centre at Guwahati to orient the development functionaries with appropriate training and research activities adapted the needs and problems of the North Eastern Region of the country. Thus the institute came into being in July 1983.

GOAL OF THE SEMINAR

The aim of the seminar is to bring together researchers, academia and practitioners of rural development to discuss and share the advances taken place in Geospatial Technology and the applications related to land, water and infrastructure development covering the areas like planning, monitoring, assessment, modelling and prognosis of the issues. The seminar will provide a forum where researchers shall be able to present recent research results and new research problems and directions related to them. The seminar seeks contributions presenting novel research in all aspects of techniques and technologies applied to Geospatial Technology, Remote sensing, GPS and Web services. The seminar further intends to bring together leading Academic scientists, Researchers, Practitioners & Scholars in the domain of interest from around the country.

OBJECTIVES OF THE NATIONAL SEMINAR

- ❖ To bring together Scientists, Researchers and Practitioners from Rural Development sector to address the advancement in Spatial Technology and Innovative Applications in land, water and infrastructure development.
- ❖ To provide Interdisciplinary and Multidisciplinary Forum to present and discuss the most recent innovations, trends, concerns and solutions adopted in field of land, water and infrastructure development.
- ❖ To discuss and share emerging trends in Geospatial Technology.
- ❖ To provide a forum for Public-Private participation in the application of Geoinformatics in land, water and infrastructure development sector.
- ❖ To share experience on Geoinformatics Applications in Programs and Policies of land, water and infrastructure development in particular and other development sectors in general.

SEMINAR SUB-THEMES

The following are broad sub-themes for the National Seminar on Geoinformatic Applications in Land, Water and Infrastructure Development:

1. Land Resource Development Plan
2. Water Resource Development Plan
3. Natural Resource Management.
4. Cadastral Mapping & Large Scale Mapping.
5. Disaster Management.
6. Infrastructure Planning and Management
7. Web and Mobile Applications in Land, Water and Infrastructure Development.
8. Use of Geospatial Technology in Agricultural Sector
9. Water Quality Monitoring and Mapping
10. Ground Water Monitoring and Mapping
11. Drone Technology in Land, Water and Infrastructure development.

INVITATION TO PAPER SUBMISSION

The National Seminar will provide an opportunity for delegates to present their ideas and research outcomes. Only **word or .doc** files will be accepted for paper submission. Final author manuscripts will be in A4 not exceeding 15 pages. The accepted National Seminar Paper would be published in the form of a book. The formatting instructions are –

- ❖ The length of the abstract and full paper should not exceed 300 words and 6,000 words, respectively, excluding preliminary pages, annexure and references. It should be written in Times New Roman, 12 pt. and line spacing- 1.15 lines. For reference we recommend the APA style
- ❖ The abstract should include the title of the proposed paper, name of author/s, institutional affiliation (if any), email address and postal address, key words upto six and finally a paragraph of not more than 300 words summarizing the main findings and the argument of the proposed paper, and its significance.
- ❖ The full paper should be arranged as follows: Title page, the presenter's name, institutional affiliation (if any), email address and postal address, Abstract, Key-words, Introduction, Methods, Findings, Discussion, Citations and references.

IMPORTANT DATES

Interested participants may send their abstracts and full papers through email on seminarcgard@gmail.com, as per the following schedule:

Last date for Submission of Abstracts: **15/02/2023**

Intimation of Acceptance of Abstracts: **20/02/2023**

Last date for Submission of Full Paper: **15/03/2023**

DURATION

Two days: **March 22-23, 2023**

PARTICIPATION FEE

There is No Participation Fee.

PUBLICATION

The accepted/presented papers will be published in the form of a book with ISBN.

PAPERS AND PARTICIPATION

Papers are invited on the above mentioned themes from Government Officials, Policy makers, Planners, Faculty members and Research Scholars from the different/concerned departments of Universities, Colleges, National/State level Research Institutions and Research organisations; Members from reputed NGOs, Corporate Sectors; Independent Researchers, Practitioner, and Social activist working in this area.

MODE OF PRESENTATION

Online

SEMINAR CONVENOR

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