

PG Diploma in Geo Spatial Technology Applications in Rural Development (PGDGARD)



Centre for Post Graduate Studies and Distance Education
School of Development Studies & Social Justice
NATIONAL INSTITUTE OF RURAL DEVELOPMENT AND
PANCHAYATI RAJ

Ministry of Rural Development, Government of India
Rajendranagar, Hyderabad – 500 030, Telangana, India
www.nird.org.in/dec.aspx

About Us

National Institute of Rural Development and Panchayati Raj (NIRD & PR), Ministry of Rural Development, Government of India, is a premier National Centre of Excellence of Rural Development and Panchayat Raj. The Institute is located in the serene rural surroundings of Rajendranagar about 15 km from the Historic City of Hyderabad.

About the Programme

A GIS application in rural development is thought to comprise of all information of rural areas in a comprehensive manner, present, past and probable future scenarios, for empowering people at local level through planning, implementation, monitoring and evaluation of rural development projects. GIS will be an affordable tool in the e-governance, it would also be possible to implement G-Governance (GIS Governance) at all levels, anytime, anyplace, making information flow and decision making a real time dynamic process ensuring total participation and involvement of local people. The Post Graduate Diploma in Geospatial Technology Applications in Rural Development (PGD-GARD) Programme is designed for Development Functionaries from all sectors directly concerned with planning and implementation of Projects and Programmes for Rural Development viz., Sectoral Activities like Education, Health, Forestry, Agriculture, Engineering, Roads, Infrastructure, ICT, Irrigation, Drinking Water, Disaster Management, Planning, Monitoring, Fishing, Animal Husbandry and the like. The officials working in India and Overseas as Managers of Rural Development Programmes/ Projects Finance by World Bank, UNDP, FAO, IFAD and various other International organizations. In this context the 18 months Post Graduate Diploma Programme in Geospatial Technology Applications in Rural Development (PGD-GARD) in Distance Mode is offered by NIRD & PR.



Students of PGDGARD First Batch attending their Lab Practice session at CGARD, NIRD & PR, Hyderabad

Programme Objectives

The Programme would broadly cover the tools and application techniques of GIS, Remote Sensing, GPS and details of related software and data products specific to spatial data mining, planning, monitoring, decision making and modelling of various programmes and projects in rural development sector. The operating methodologies would be taught and various in-built features would be covered, so as to aim at them to use in Geospatial technology in local level planning and decision making.

The PGD-GARD Programme aims at the following:

- To expose the Geospatial Technology
- To expose various application potential of Geospatial technology
- To give a Hands-on experience to various processes of Geospatial technology
- To familiarize the Geospatial technology related Software, tools, technology and applications in Rural Development



Dr. W.R. Reddy , IAS, Director General, NIRD & PR, with students faculty

Eligibility

Graduates in any discipline from a UGC recognised University.

Duration:

18 months (Semester System), Registration is valid for 3 years from the year of enrolment

Medium of Instruction: English

Student Support System

- Soft copy of Self Instructional Study Material shall be provided to the students (Semester by Semester)
- Web-based on line learning resources
- Networked video conferencing at selected centre
- Personal Contact and handholding Sessions at a contact centre
- Regular uploads on the website

Course Structure:

The Programme will be offered in three Semesters. First Semester has 6 courses and second Semester has 6 Courses including one elective course. The learning material for each course has been divided into Blocks and each block will have a number of units. There will be contact and handholding Sessions at contact centre, which will be conducted by CGARD Faculty and well known experts and will be followed by final examination (70 marks). Each of the Courses will be evaluated for 100 marks. The Project Work will be evaluated for 200 marks in Third Semester.

1st Semester

1. **GARD-501** : Geographical Information System
2. **GARD-502** : Satellite Remote Sensing
3. **GARD-503** : Global Positioning Systems
4. **GARD-504** : Rural Development: Concepts, Practice, Policies & Programmes
5. **GARD-505** : Project Planning & Management
6. **GARD-506**: Geo-informatics Lab Practice

2nd Semester

1. **GARD-507**: Satellite Remote Sensing –II
2. **GARD-508**: Spatial Data Analysis and Modeling
3. **GARD-509**: Spatial Decision Support System for Rural Development
4. **GARD-510**: Rural Infrastructure Management
5. **GARD-511**: Natural Resource Management
6. **GARD-512**: Disaster Management

3rd Semester

7. **GARD-513**: Project Work

Scheme of Evaluation

The evaluation system is designed to assess the student's progress systematically through internal assessment as well as Semester–end examinations. Following evaluations will be made for each course offered.

Assignments	30 Marks
Semester-end final exam	70 Marks
Total	100 Marks
Project Work	200 Marks

Course Material:

The Course material of each of the courses shall be supplied by soft copy only. The course material is also available on the NIRDPR-LMS portal as well.

Programme Fee:

Admitted students will deposit Rs 12,000/- (Rs 10,000/- for SC /ST /PWD) in two equal installments at the commencement of each Semester. The Sponsoring Organisations, however, have to deposit full fee at the time of registration of their candidate(s). Fee once paid will not be returned under any circumstances.

Submission of Application Forms:

Online Applications completed in all respects accompanied by scanned copies of relevant certificates and Application Fee of Rs 500/- For Gen/ Rs.300 For SC/ST/PWD can be sent through online.

Admission Procedure:

The candidates selected for admission will be intimated by E-mail individually (Any change in the email id/postal address should be intimated to NIRD & PR accordingly by the Student). The list of selected candidates will also be displayed on the institute's website (www.nird.org.in/dec.aspx). Only those, who pay the fee within the stipulated date, are treated as admitted. Students, who do not furnish full information and proof about their Academic Professional Records are liable to be rejected. Any document sent separately after submission of the application, will not be considered. Verification of all the Original Certificates / Marks Memos / Experience Certificates will be done at the time of contact cum handholding Session at designated Contact Centers. The students are therefore required to bring their Original Certificates when they attend Contact cum Handholding Classes.

Admission of Sponsored Candidates

The Government Departments / Organisations / Institutions / NGOs/ International Organisations etc., may sponsor their officials for admission to this programme by duly forwarding their applications and paying full Programme Fee for their admitted candidates in one lumpsum at the time of beginning of the Programme.

Check List for sending Application

1. Online Application Form from Website: www.nird.org.in/pgdgard.aspx
2. Online Application Fee: Rs. 500/- for Gen/ OBC and Rs. 300/- for SC/ST/PWD to be paid through online
3. **Attested Scanned Copies of:**
 - i) SC/ST/OBC (Latest)/ PWD Certificate from competent authority (wherever applicable)
 - ii) Secondary School Certificate (SSC) or Matriculation or High School (Date of Birth Proof)
 - iii) Bachelor's Degree / Provisional Degree Certificate

Last Date for receipt of filled in applications will be the same as mentioned in the application form and Website