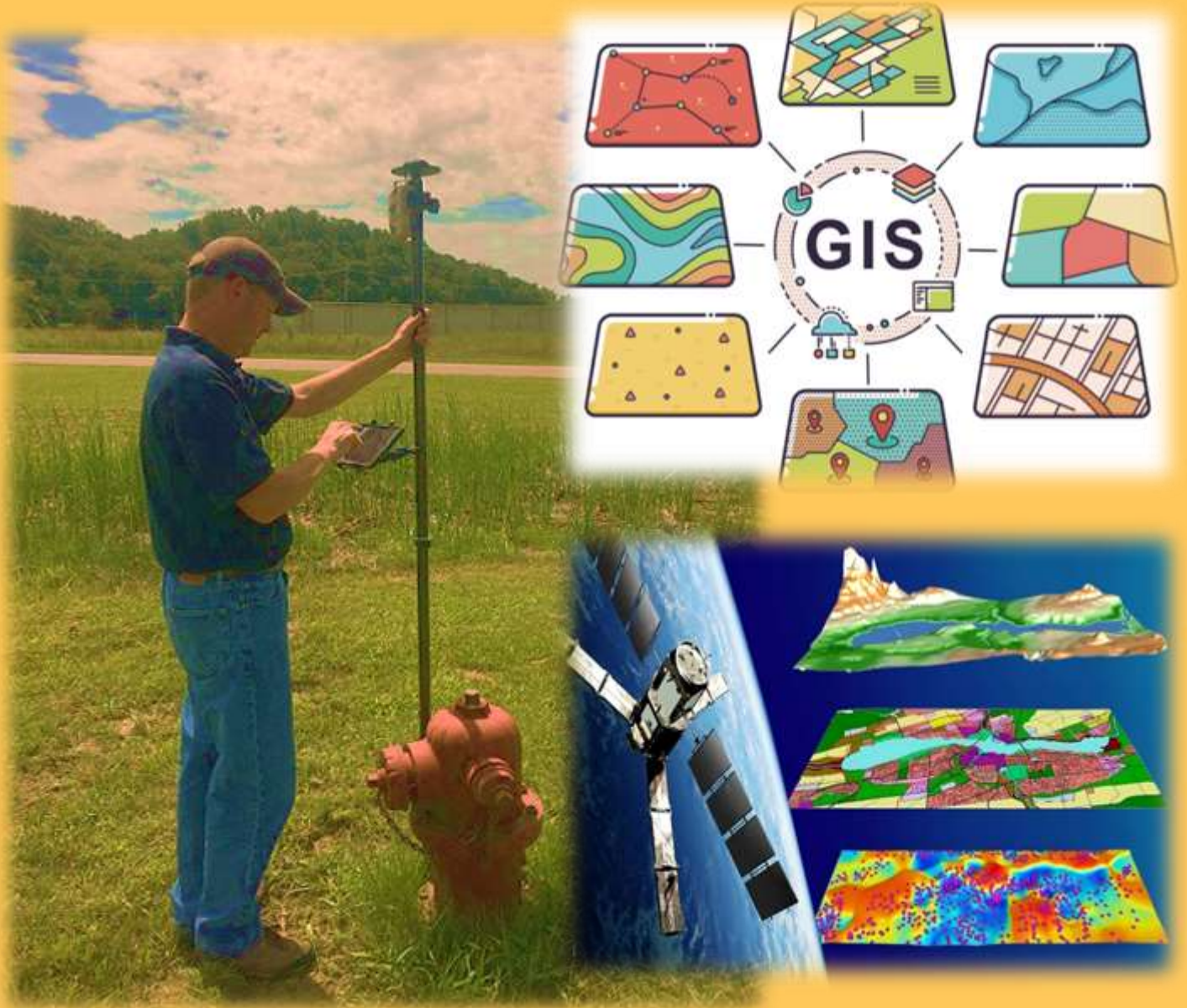


Prospectus 2023-24

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

(Approved by All India Council for Technical Education, New Delhi)



**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 NIRDPR

The National Institute of Rural Development & Panchayati Raj (NIRD & PR), Ministry of Rural Development, Government of India, which celebrated its Golden Jubilee in 2008, is a premier national centre of excellence of rural development. Recognized internationally as a UN-ESCAP Centre of Excellence in HRD; acclaimed regionally as a centre of excellence in rural development by the Afro Asian Rural Development Organisation (AARDO), Centre on Integrated Rural Development for Asia and the Pacific (CIRDAP) and considered a leader in rural business management education and for Distance Education. It builds capacities of stakeholders such as officials and functionaries engaged in rural development, elected representatives, institutions, academicians and young students through inter-related activities of training, research, action research, teaching and consultancy. The Institute endeavors to enable them to develop right perspectives, analyze and propose solutions to problems in planning and implementation of the programmes for rural development and disseminate information on best practices in rural development through periodicals, reports and publications. The Institute is located in the serene surroundings of Rajendranagar about 15 km from the Historic City of Hyderabad.

About the Programme

AGIS 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.

Programme Objectives

The Programme would broadly cover the tools and application techniques of GIS, Remote Sensing, GPS and details of related software and dataproducts specific to spatial datamining, planning, monitoring, decision making and modelling of various programmes and



Students of PGD GARD First Batch attending their Lab Practices session at CGARD, N

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 to students the Geospatial Technology
- ✓ To expose various application potential of Geospatial technology in Rural Development.
- ✓ 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

Eligibility Criteria

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

The Medium of instruction is English only

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

CourseStructure:

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 hand holding Sessions at contact centre, which will be conducted by CGARD Faculty and well known experts and will be followed by final examination (70marks). EachoftheCourseswillbeevaluatedfor100marks. TheProject Work willbe evaluated for200 marksin Third Semester.

Semester - I
GARD-501 : GeographicalInformation System
GARD-502 : Satellite RemoteSensing
GARD-503 : Global PositioningSystems
GARD-504 : Rural Development:Concepts, Practice, Policies &Programmes
GARD-505 : Project Planning &Management
GARD-506 : Geo-informaticsLab Practice
Semester - II
GARD-507 : Satellite RemoteSensing –II
GARD-508 : Spatial DataAnalysisand Modeling
GARD-509 : Spatial Decision Support System forRuralDevelopment
GARD-510 :Natural ResourceManagement
Semester - III
GARD-511 : ProjectWork

Admission Procedure:

The candidates selected for admission will be intimated by E-mail individually (Any change in the emailid/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 feewith in the stipulated date, are treated as admitted. Students, who donot furnish full information and proof about their Academic Professional Records are liable to be rejected. Any

documents 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 Hand holding Classes.

Reservation for SC / ST / PWD Students

In accordance with the policy of the Government of India, the reservation for different categories will be implemented. Students applying for this programme should submit, along with their application, a copy of their Caste Certificate from a Revenue Officer not below the rank of Tehsildar/Mandal Revenue Officer/ Block Development Officer.

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 application and paying full Programme Fee for their admitted candidates in one lump sum at the time of beginning of the Programme.

Application Fee

The interested/eligible candidates will have to apply Online at NIRD&PR [website: www.nirdpr.org.in/dec.aspx](http://www.nirdpr.org.in/dec.aspx) along with online fee of Rs.500/- for Gen/OBC, Rs.300/- for SC/ST/PWD candidates to wards application fee before the due date as mentioned in the advertisement. Copies of certificates relating to qualification should be uploaded along with application.

Programme Fee:

Admitted students will have to deposit Rs.18,000/- (for Gen / OBC) & Rs.15,000/- (for SC/ST/PWD) in three 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).

Note: Fee once paid will not be returned under any circumstances.

How to Apply

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:
 - a. SC/ST/OBC (Latest)/ PWD Certificate from competent authority (wherever applicable)

- b. Secondary School Certificate (SSC) or Matriculation or High School certificate (Date of Birth Proof)
- c. Bachelor's Degree / Provisional Degree Certificate

Last Date: The last date for receipt of filled in online applications will be the same as mentioned in the Advertisement and also in the application form

Career Prospects

- ✓ Working officials would have enhanced competence for preparation and implementation of tribal development plans and programmes with specific reference to improve management and administration
- ✓ Would enable the educated youth to seek employment as community coordinators/community organizers/ social mobilizers/ research assistants/ animators.
- ✓ Would enable the officials/youth to play the role of trainers for training of the tribals in scientific collection, post-harvest management and marketing of Non-Timber Forest Produce (NTFPs)
- ✓ Excellent job opportunities in the Central and State Government Projects/Schemes like NRLM, MGNREGS etc. and Schemes especially designed for tribal development
- ✓ NGOs, CBOs private sector implementing projects under Corporate Social Responsibility (CSR) and others such as stakeholders in the tribal development programmes

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.

Evaluation

The evaluation system is designed to test the participants' progress systematically through internal assessment as well as term-end examination. The candidates will be evaluated for 100 marks for each course.

Semester – I & II

1. Assignments	-	30 marks each semester
2. Semester End Examination	-	70 marks each semester
Total	-	100 marks each semester

Semester – III

1. Project Evaluation & Viva Voce	-	200 Marks
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Grand Total (Semester I, II & III) - 400 Marks

Note:

- ✓ Submission of Assignments are compulsory for the Student to write the Semester End Examinations.
- ✓ The project of the Students will be evaluated by an Expert Team at respective Contact Centres

Chairman, Academic Advisory Committee

**Dr. G Narendra Kumar, IAS
Director General, NIRD&PR**

Programme Coordinator

**Dr. Jyothis Sathyapalan
Professor & Head (CPGS&DE)**

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