



XAVIER INSTITUTE OF SOCIAL SERVICE

Post Graduate Certificate in Management Geo-Spatial Technology (Application in Rural Development)

Geospatial Technology encompasses multiple disciplines viz. GIS, remote sensing, geodesy, GPS and cartography. It has tremendous utility and applications in decisions involving locational data, or data with spatial dimensions. It deals with both spatial and non-spatial data. It covers all aspects of spatial and non-spatial data management like acquisition, storage, manipulation, analysis, display and modeling etc. Applications of Geospatial Technology are mainly oriented to solve real world management problems pertaining to natural as well as man-made environments. The Post Graduate Certificate Management Geospatial Technology aims to provide conceptual knowledge as well as hands on training on GIS, remote sensing, management, and related fields including GPS, DGPS and ETS. The Course contents have been developed keeping in view the emerging trends in the field of Geospatial Technology and to meet the increasing needs of skilled manpower that will cater to the need of both the Govt as well as private sector.

Course Highlights

- AICTE approved course creatively designed for thorough learning and skill imparting.
- Well-equipped air-conditioned computer lab with internet facility, each trainee works *exclusively on his/her computer*.
- All popular, powerful and user friendly softwares including Arc-GIS, ERDAS imagine, Geomedia, ENVI, I-GIS and open source softwares like Q-GIS, Google Earth Engine etc.
- One Year long (Two Semesters) course with over 600 hours theory +Lab Practical and 3 months of project work.
- Continuous lab and internal assessments during the course.
- Rich Library of textbooks/course materials provided for various modules.
- Expert faculties from academics and ICT industry with widespread subject and practical knowledge.
- Updated course content with the latest trends in the ICT and geospatial industry.
- Tutorials, hands-on and projects relevant to the Govt. depts./ ICT industry.
- Addendum on quantitative aptitude, general English, effective communication, and interview skills.

Eligibility Criteria: Who can Apply?

Qualification

1. Graduate/Postgraduate in any discipline with at least 45% marks, OR
2. Graduate in Engineering or equivalent Computer Science/ IT or related areas, OR
3. Students pursuing their Post Graduation/ MPhil or PhD may also apply (for Evening Shift), OR
4. Government as well as private sector employees (with minimum graduate degree) working in the field of water resource management, forestry, land resource management, mining, disaster management.
5. Other professionals working in the private sector may also apply.
6. Candidates in their final year of Graduation may also apply. However, their admission shall be provisional subject to their submission of final year marksheet by 31st December 2023.

Limited Seats: 30+30

Admission Procedure

Interested candidates can apply online for their registration ([Click here for online Registration](#)). Based on their academic qualifications and work experience, selected candidates will be intimated by email individually. Only the candidates paying the fee within stipulated date are treated as admitted subject to verification of their original certificates and credentials.

Course Modules

The Course is module based and has both theoretical background and hands on practice. The modules are as follows:

- Module I: Incorporating the 'where' of decision making: [GIS](#)
- Module II: How to get things done, when not being present there: [Remote Sensing](#)
- Module III: What to do with Remote Sensing Imagery: [Digital Image Processing](#)
- Module IV: Analysing 'Space' for Decision Making: [Spatial Analysis](#)
- Module V: Where am I ? : [The story and working of GPS, DGPS and Total Station.](#)
- Module VI: Effective solutions to societal problem: [Principles of Management](#)
- Module VII: Developing and organizing spatial Data: [GIS Development and WebGIS](#)
- Module VIII: Where and how are we in utilising GSpT: [Trends in GIS and RS Applications](#)
- Module IX: Let's talk and explain: [Seminars and Presentations](#)
- Module X: Think of a problem and solve it: [Working through a GIS Project](#)
- Addendum X: Making sense of Numbers; [Quantitative Aptitude/ Statistics](#); Smarter Communications, English Remedial.

Course Content

For detailed course content visit our website: www.xiss.ac.in/GI

Course Duration

The PGCM programme will be of one year duration and would be covered through two semesters.

Course Fee

The fee for the Course for non-working candidates is Rs. 69,000/- which can be paid in two installments. For working professionals, the fee would be Rs. 82,000. (Out of these, Caution money of Rs 2000 is refundable)

Medium of Instruction

The medium of instruction will mostly be English (and Hindi).

Contact Us

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