

COURSE OUTLINES

Semester - I

1. Cartography
2. Data Acquisition and Data Processing
3. Remote Sensing and Photogrammetry
4. Computer Science and Web Designing
5. Remote Sensing and Photogrammetry (LabH)
6. Computer: (Software and Hardware) and Web Designing (LabH)

Semester – II

1. Data Base Management System and Spatial Statistics
2. Geographic Information System
3. Digital Image Processing
4. Applied Geomorphology
5. Geo-environmental Science
6. Geographic Information System and DBMS (LabS)
7. Geoinformatics of Natural Resources (Open Elective)

Semester – III

1. Water Resources
2. Marine Geoinformatics
3. Digital Image Processing and Cartography (LabS)
4. Water Resources and Marine Geoinformatics (Lab)
5. Geoinformatics of Coastal Environment (Open Elective)
6. Disaster Management
7. Urban Geoinformatics
8. Fundamentals of Geological Science

Semester – IV

1. Internship & Dissertation
2. Viva-Voce
3. FieldWork

About the University

The Shobhit Institute of Engineering & Technology (A Deemed-to-be-University, established u/s 3 of UGC Act, 1956 (hereinafter referred to as “SUM”), commenced its academic programs in 2006. The university is located in Meerut, Uttar Pradesh, India. It is a Deemed University under section 3 of the University Grants Commission Act, 1956 and accredited by National Accreditation and Assessment Council.



Last Date of Application: 15 Aug, 2022
Merit list publication – 18 Aug, 2022
First Counseling cum Admission: 20 Aug, 2022

87/210, Raja S.C. Mallick Road, Kolkata- 700047;
WhatsApp: +91-6289169916, 8617708435
Email: iigstkolkata@gmail.com



M.Sc. in Geoinformatics

(Session 2022-23)

Offered by
**Shobhit Institute of Engineering & Technology
(Deemed-to-be-University),
Meerut, U.P. India**

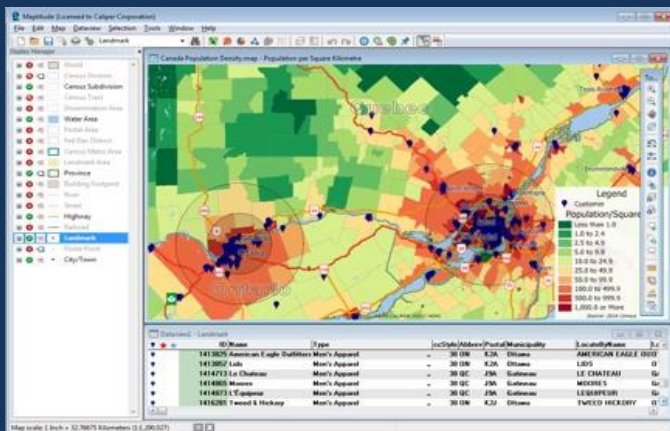
In academic association with
**International Institute of Geospatial
Science & Technology (IIGST)**



ADMISSION NOTICE

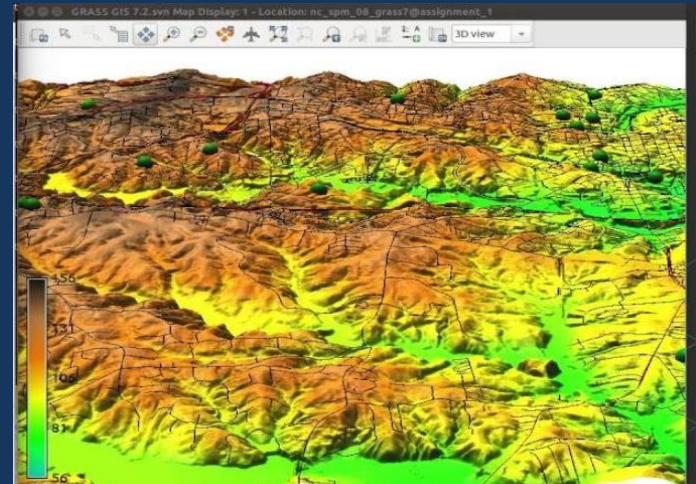
Course outline

Now a days India has passing through a phase of cognitive development. To meet the need of global excellency in every aspect is the major challenge of this country and to cope up this need, from primary to quinary, every sector needs a revolution i.e. Digital Revolution. Hopefully, India has caught the line of change and has transformed herself into the new Digital Era by adopting a new information regime through its 'Digital India' program to support good governance, sustainable development goals empowerment of its citizens. Geospatial technology, since the last three decades, plays an important role to cater these above situations. Now days, India is also evolving its own Geospatial Ecosystem with basic purpose of improving the provision of geospatial data and information into the public domains as well as strengthening the institutional capacity by enhancing the performance of the organizations. In this



context, developing and improving the technical capacity at the individual level, remains the key factor for the

success of this change. Hence, addressing these issues



IIGST has taken an initiative to execute different Capacity Building Programmes through short term certificate/ PG Diploma courses on Application of Geospatial Technology for both the academicians and Govt./Non-Govt. officials to enhance their capability in this field.

Scope and Objectives

The expanded utilization of GIS innovation in various industries has enhanced the range of opportunities for work in GIS and Remote Sensing. Each zone right from rocket and drones to the urban planning, e-administration, remote sensing and even advertising, industry depends on geospatial data. The abilities required to be a productive GIS skilled person advanced throughout the years. Apart from the civil engineering stream, it can similarly be taken up by the students of different subjects, particularly geography and geology, as

a specialization. There is a wide range of job and career in GIS, both in India and abroad. Along these lines, applicants from a wide variety of expert and instructive foundations (e.g., Topography, Urban Planning, Cartography, Engineering, Computer Science, etc.) seek to be efficient GIS experts.

Job Positions

GIS and Remote Sensing experts can get hired at different levels in positions like GIS Mapping Technician, GIS Data Specialist/Scientist, GIS Business Analyst, GIS Operator, Geospatial Software Engineer, GIS Application Specialist, GIS Engineer, GIS Programmer, GIS Consultant, and GIS Technical Assistant.

Organizations in India that require GIS experts

- Indian Space Research Organization
- National Remote Sensing Centre
- Indian Council of Agriculture Research
- Space Application Centres and Aviation
- Urban Development Authorities and Municipalities
- Watershed and Wetland Management
- Forest Survey of India
- Geological Survey of India
- Survey of India
- Department of Science and Technology
- Ministry of Defence
- Ministry of Environment
- National Spatial Data Infrastructure
- Indian Institute of Remote Sensing
- Indian Agricultural Research Institute

- Agricultural Department and Irrigation Department
- National Informatics Centre
- North Eastern Space Applications Centre etc.

Eligibility Criteria

Graduates in any discipline

Course Curriculum: University Syllabus

Examination will be held at per the university norms

Total No of Semesters: 04

Total Course Fees: 200000/- For National Students

[Rs. 50000/- per semester]

For International Students : 2700\$

Total No of Seats and Class Schedule:

Course Name	Course Fees	Total No. Seats
M.Sc. Geoinformatics	2,00,000/- or 2700\$	25

Mode of Class: Offline

Class Schedule: 5 Days per week



Internship & Live Projects

Students will get **Internship Opportunities** and to do the **Live Industrial Projects** in different geospatial organisations like , NATMO, SkyMap Global, Geomatix, etc.

Special Classes

Special Classes will be taken by some renowned Geoinformatics specialists from different Govt. organisations, Industry houses and academic institutions like IIRS, NIIT, DST, DTU, NATMO, SkyMap Global, Geomatix, SPA Geo Pvt Ltd etc

Training Support

- Training materials for practice.
- Real life hands-on training data.
- Hands-on assistance during the training.
- Learning guide documents.
- Live discussions.
- Project handling.
- Campus interview.


Resource Persons


From IIGST, Govt. Bodies & Industry Professionals

Last Date of Application: 15 Aug, 2022
Merit list publication – 18 Aug, 2022
First Counseling cum Admission: 20 Aug, 2022

Being 2 among 25

Scholarship opportunities of Rs. 25000/- for the students who will enroll in M.Sc. in GEOINFORMATICS course



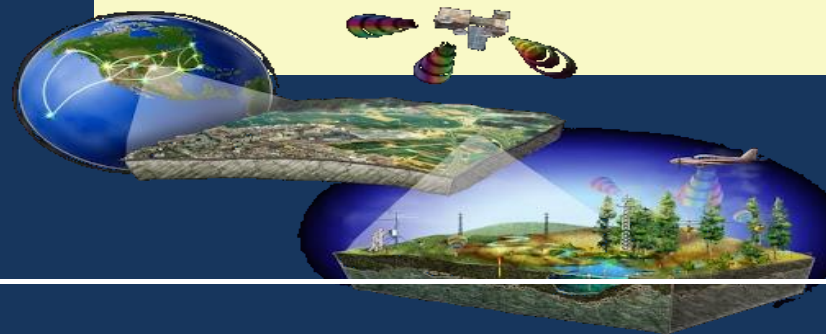
Offered by  International Institute of Geospatial Science & Technology (IIGST)

For more details: www.iigst.in
Contact us : +91-6289169916 | iigstkolkata@gmail.com

ADMISSION PROCEDURE

- Take a print out of the attached Application Form of Shobhit University.
- Pay the Application Fees Rs. 1100/- [non-refundable] either in Online mode or through Demand Draft (DD)
- Fill the application form carefully & submit it with the following documents (in both hardcopy and softcopy format):
 - i. Aadhar Card,
 - ii. Payment Receipt or DD
 - iii. 10th Marksheet & Certificate
 - iv. 12th Marksheet & Certificate
 - v. Graduation Marksheets & Certificate
 - vi. Caste Certificate (if applicable)
 - vii. Migration Certificate
- Fill up the given Google Form <https://cutt.ly/CLhePtC> & Upload the documents. Also send the hardcopy of these documents either by post on the given address or by hand between 11am to 5pm.

87/210, Raja S.C. Mallick Road, Kolkata- 700047
(Near Ganguly Bagan Bus Stop)
WhatsApp: +91-6289169916, 8617708435



JEE / CAT / MAT / XAT / GPAT / GATE / NET / any other Test (Write name of Exam)	Valid upto 	Roll No. 	Score / Percentile 	Conducted by:
				For which Course:

12. Institute from which you have completed Qualifying Examination:

QUALIFICATION	NAME AND ADDRESS OF INSTITUTE	BOARD / UNIVERSITY / ANY OTHER APPROVED BODY

13. Award Scholarship Certificate (if any):

14. Professional Work Experience (if any):

S.No.	Post held	Duration	Work Description

15. Details of Bank Draft for Rs. 1100/- (All Programs) / Rs.2100/- (for M.Phil. & Ph.D.) non-refundable in favour of Shobhit Institute of Engineering & Technology, Meerut.

- (a) Name of the Bank
- (b) Draft No.
- (c) Dated
- (d) Amount

16. Preferred City for appearing in Entrance Test (Please refer to the Centre List) if applicable

Centre Name along with code
1.
2.
3.

17. Declaration: I hereby declare that all the information given by me in this application is true and correct to the best of my knowledge and belief. I also note that if any of the above statements are found to be incorrect or false or any information or particulars have been suppressed or omitted there from, I am liable to be disqualified. If selected, my admission will be liable to be cancelled without notice or compensation in lieu of notice. I have read and understood the contents of the Admission Notification 2020-21 for program.

I hereby permit the Institute to use, display or transfer any of the details furnished by me in this form for complying with the admission formalities.

Date of Application _____

(Signature of the Candidate)