



Learning Outcome

- Are expected to have a basic understanding of geospatial technologies, data sources and resources available.
- Will be able to obtain Indian as well as foreign remote sensing data and process them using basic Image processing and GIS tools.
- Will be able to generate GIS data base and produce thematic maps using Satellite images, digital elevation models, and GPS points, etc.



For Whom ?

Working professionals from Engineering/ Information Technology/ Architecture/ Construction/ Infrastructure/ Utilities/ Environment/ Planning/ Management/ Governance, etc. Fresh graduates from Physics/ Chemistry/ Maths/ Statistics/ Biology/ Geology/ Engineering/ Mathematics / IT backgrounds. Professionals looking to develop skills to do statistical analysis to support spatial decision making



Course Duration

- 3 Weeks (30 hrs Course + 2 hrs Exam)
- 2 - 21 May 2022



Exam Pattern

- Chapter-wise Quiz (containing MCQ questions) is to be conducted as an internal evaluation which carries weightage of 30 marks.
- Final Exam to be conducted which will be practical based examination carrying weightage of 70 marks.

Course Fee

Rs. 3,000/- Discounted to
Rs. 1,500/- for the first batch



M. S. Patel Department
of Civil Engineering

Certification Course in Basics of Geoinformatics

Eligibility: Bachelor's degree in any discipline with
50% aggregate marks

Course Duration:
3 Weeks (2 - 21 May 2022)



For More Details

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Prerequisites

- Knowhow on basic computer operation



Subject Dependencies

- Basic Geography



Course Enrollment

- The course enrollment process will be online



Course Instructor

- Dedicated Learning Mentors, experts from industry and highly professional academicians as an instructor in the course.



Take Away

- The course covers advanced subjects like Remote Sensing, GIS, Database Management Systems, Spatial Data analysis, GPS and Location Based Systems, Project Planning and Geo-visualization.
- The course organizes in a self-directed and autonomous manner to enrich practical skills to carry out an independent assignments.



Why Geoinformatics?

Geo-Informatics refers to the science and technology used to study spatial information. With the increasing awareness and need of decision making through Information Technology in the present time this technology is being incorporated into a wide range of management, governance, and engineering operations. The geospatial technology helps to pull together the vast amounts of information necessary to balance competing priorities and solve complicated problems, such as optimizing or determining the feasibility as the data and decision making complexity grow and spread in the geographical domain. These powerful tools empower users with enhanced visibility into data in a spatiotemporal domain. This technology displays how the changes will look like on the ground with respect to different scenarios to help make better decisions. The course enhances opportunities to build a career with government organizations, private consultants, corporate houses, NGOs, academic and research organizations.



Job Opportunities

- Get an opportunity to be a part of the top-ranking organizations of your choice. Post the program completion students can pursue a career in the fields of
 - Information Technology
 - Architecture / Construction
 - Infrastructure / Utilities
 - Environment
 - Planning and Management
 - Governance
 - Business Analyst
 - Data Scientist / Engineer
 - Geospatial Consultant
 - Business Intelligence Manager
 - Research Scientist



About CHARUSAT

Charotar University of Science and Technology (CHARUSAT) is established under the promulgation of Gujarat Private Universities Act, 2009. It is empowered to confer degrees under section 22 of the UGC Act 1956. CHARUSAT has the distinction of being the first private University in the State of Gujarat to be accredited by National Assessment and Accreditation Council (NAAC) with an 'A' grade in the first cycle.

CHARUSAT has under its ambit six faculties, nine Institutes and various Centers/ Cells (within the constituent institutes), offering 70+ different UG, PG, and Doctoral Programs. The faculties include Faculty of Technology and Engineering, Faculty of Pharmacy, Faculty of Computer Science & Applications, Faculty of Management Studies, Faculty of Sciences and Faculty of Medical Sciences.

The emphasis at CHARUSAT is on science and technology with benchmarking of the highest international standards while taking a stock of the national needs, demands and issues. Training for scientific research as well as entrepreneurship development are the two major considerations emphasized at CHARUSAT.



CHARUSAT
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

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