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GUJARAT UNIVERSITY

DEPARTMENT OF EARTH SCIENCES,

**M.Sc.
Geoinformatics**





M.Sc. Geoinformatics

Gujarat University at a Glance

Gujarat University is the oldest and biggest university of the state established on 23rd November 1949. The University is spread on 260 acres of land situated in the heart of Ahmedabad city. The number of affiliated colleges is 286; recognized institutes are 22 and approved institutions are 24. There are 36 postgraduate university departments and 221 PG centres. There are 14 faculties offering various courses. Gujarat University is an affiliating university at the undergraduate level, while it is teaching one at the post graduate level. Gujarat University has developed phenomenally in the last 67 years to be recognized as a premier university in the country today. It provides education in one of the widest range of disciplines to about two lakh

About the Course

The fast-emerging technologies of Remote Sensing, Geographic Information System (GIS), and Global Positioning System (GPS) have converged into a discipline with its own research base known as Geoinformatics. The technology helps in acquiring information about the earth and its resources in spatial dimension and help in analyzing large datasets. The objective of this course is to introduce and develop the understanding the theoretical, technical and applied aspects of Remote Sensing and GIS for mapping, monitoring and managing various natural resources and disasters. It is a form of information technology, where real digital data are converted to information, which in turn aid to the knowledge base for sound decision making.

Facilities Available at the Department

The Department offers the best facility infrastructure to the students for study and research in Geoinformatics. The centre is equipped with modern facilities like smart classrooms having Wi- Fi, internet facilities, digital interactive workspace, sound proof systems, LCD Projector etc. The centre has separate lab for GIS, Photogrammetry, Image Processing, GPS, AGPS, and various latest GIS and Image processing software (ArcGIS, QGIS, ENVI, PCI Geomatica etc.) along with satellite imageries, aerial photographs and various ancillary datasets..





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Programme Eligibility for M.Sc. in Geoinformatics

Science Graduates in any Subject, B.C.A., B.E., B.Tech., M.A. with Geography.

> MSc in Geoinformatics (Duration 2 years with 04 semesters)

> Number of Seats: 33

Career/Internship Opportunities

There will always be a wide range of jobs open to well trained and motivated students of Geoinformatics. These can include research-oriented jobs as well as policy-oriented jobs in government. There are many organizations where a Geoinformatics student can establish his/ her career. Few among them are listed here- As Teacher (College & University), Indian Space Research Organization Centres (ISRO, Govt. of India), Defence Research & Development Organization (DRDO, Ministry of Defence), State Remote Sensing Centres, Department of Science & Technology, and National Thematic Mapping Organization (NATMO), National Bureau of Soil Survey and Land Use Planning (NBSS & LUP) and other departments of Government of India. Other options include: Geo-Scientist, Geological Assistant, Development analyst, Country or Rural planner, Environmental consultant, Cartographer, Recycling manager, Weather analyst, GIS analyst, Travel agent, Soil conservationist, Landscape Architect, Land Manager, Tourism manager etc.

Internship opportunities are carried out at SAC-ISRO (Ahmedabad), BISAG (Gandhinagar), AMNEX, IITs, and many other institutes.

Placement Done at Various Organisations

The M.Sc. Geoinformatics course provides an ample opportunity to various corporates and universities. Some of them are Following..





Admission Procedure

Please visit the Gujarat University website (www.gujaratuniversity.ac.in) for detailed advertisement, application form, brochure etc.

Location

Department of Earth Sciences
School of Sciences, Gujarat University,
Ahmedabad- 380009.

<https://goo.gl/maps/n3swD12m7Px>

Course Coordinator: Dr. Shital H. Shukla

Head of Department,
Department of Earth Sciences
School of Sciences, Gujarat University,
Ahmedabad- 380009.

Email: hodgeography@gujaratuniversity.ac.in

Contact No: 079-27912832

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