

## M.Sc. Geology

The Geology section under the Department of Civil Engineering was established in 1958 with its primary focus on teaching undergraduate civil engineering course. Over the years, it has evolved as a centre of research and teaching in the areas of earth, environment, ocean and atmospheric sciences with dedicated MSc Geology program (since 2015) and Ph D programs. State-of-the-art labs for teaching and research are developed from the external and in-house grants secured by its faculty.

### About the Program

This course trains professionals in earth sciences for roles in mineral and groundwater exploration, geological mapping, environmental monitoring, disaster assessment, and research. MSc students receive field geology training from GSI experts and in-house faculty, undergo shipboard training, and do projects in mining companies. They are encouraged to pursue international internships, participate in national student festivals, and collaborate with faculty on mini-research projects to publish in peer-reviewed journals.

### Infrastructure and Faculty

The geology museum houses an extensive collection of rock, mineral, and fossil samples. The department features a state-of-the-art geochemistry lab with instruments like ICP-AES, TOC analyzer, ion chromatograph, magnetic susceptibility meter, UV-visible spectrometer, and autotitrator. The microscope lab includes advanced microscopes (petrological, ore, and paleontological), remote sensing and GIS software, and geological field kits (e.g., Brunton compasses, hammers). The MAHE-MIT instrumentation facility offers high-end equipment, including XRD, SEM-EDS, NMR, GC-MS, HPLC, and ATR-FTIR. The department's faculty has 15-20 years of teaching and research experience.

### Campus Placements and PhD Fellowships

MSc Geology graduates have been placed in companies like JSW, AECOM, Horizon Ventures, and Cybertech. Efforts are ongoing to expand campus placements. Students can pursue PhDs through fellowships in-house or at partner institutions in India and abroad. Alumni have secured funded PhDs at institutions like the Slovak Academy of Sciences, GFZ-Potsdam, Temple University, University of Reading, University of Cologne, University of Quebec, CSIR-IMMT Bhubaneswar, and MAHE-Manipal. Graduates also find roles as geologists in GSI, ONGC, mining, exploration, and GIS companies.

### Eligibility criteria

Preference is given to BSc graduates with Geology as one of their subjects with at least 50% aggregate marks.



Program brochure



Program webpage

To know more about the course, please contact:

94485-02589 / 82176-13284 / 80004-21451

To apply

