

Department of Petroleum Engineering and Geoengineering

offers

Integrated Dual Degree (IDD) Program

in

Geoscience & Engineering (B. Tech)

and

Geological Technology/Geophysical Technology (M.Tech)



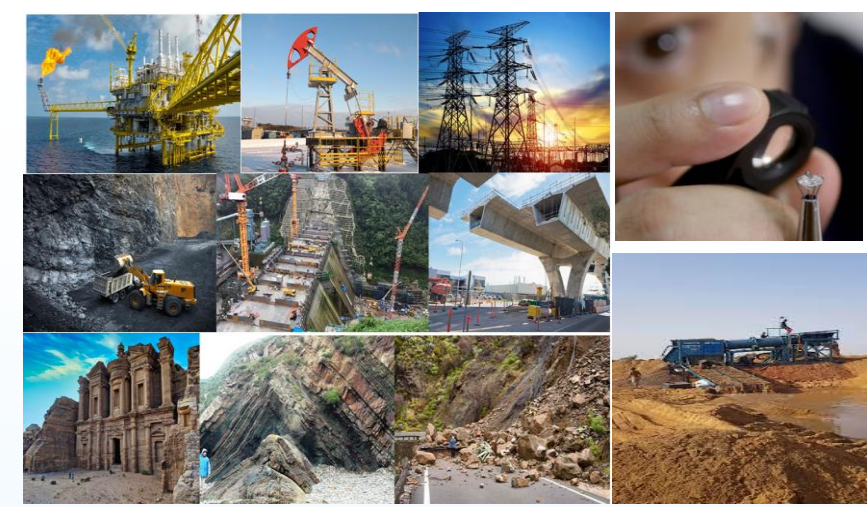
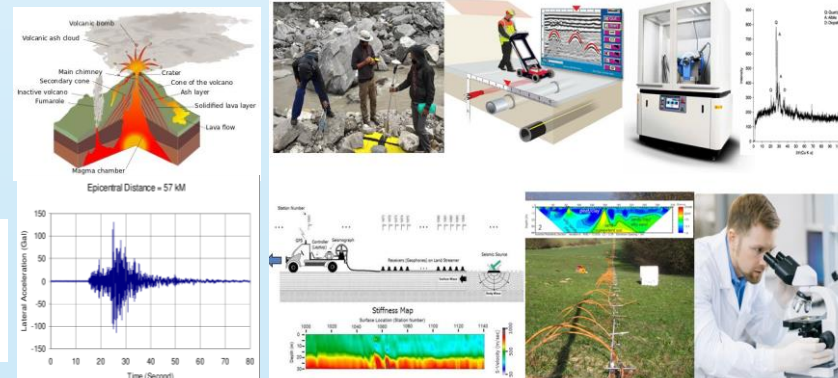
Rajiv Gandhi Institute of Petroleum Technology
(An Institute of National Importance)
Jais, Amethi, Uttar Pradesh (229304)

Why Geoscience and Engineering?

Geoscience and Engineering is a special branch of engineering which deals with advancements in technology for exploration, exploitation and management of natural resources. It also deals with the development of technology to reduce the adverse effect on environment arising due to man-made processes.

Geoengineer/Geoscientist deals with

- mechanism of earth processes such as earthquakes, landslides, floods, and volcanic eruptions.
- prediction of uncertainty associated with physical processes of earth systems.
- evaluation of a site on which a tunnel, dam, or road etc. might be built.
- exploration and exploitation of natural resources.
- development of models to minimize the disaster associated with natural and man-made processes.



Career Prospects

Employment opportunities for Geoengineers/Geoscientists are excellent. After receiving the degree from reputed institutes/universities, one can work in government sector, public sector, private companies or consulting firms in both national as well as international arena.

Important Roles

Petroleum Geoscientist, Engineering Geologist, Economic Geologist, Mining Geologist, Petrologist, Geophysicist, Seismologists, Hydrologist, Petrophysicist, Structural geologist, Gemologist, Sedimentologist, Soil Scientist, Atmospheric scientist, Oceanographer, Stratigrapher, Paleontologist, Geomorphologist, etc.

Some of the top recruiters in India:

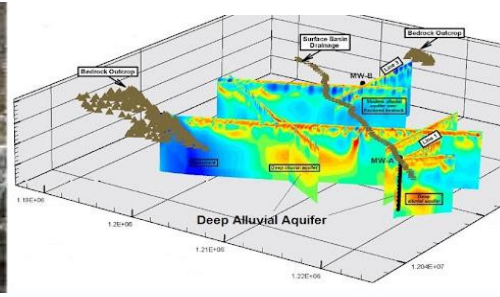
Petroleum sector: ONGC, OIL, IOCL, BPCL., HPCL, Essar Oil, GSPC, Reliance, etc.

Mining and Geotechnical investigation Sector: CIL, GSI, State Directorate of Geology and Mining, Hindustan Zinc Ltd., Hindustan Copper, Hindalco Industries, National Aluminium Company, BHEL, Rajasthan State and Minerals, Gujarat Mineral Development Corporation, Aimil Limited, HEICO, Geo Structurals Pvt. Ltd., Fugro Geotech (India) Pvt. Ltd., etc.

Power Sector: NTPC, NHPC, Adani Power Limited, Torrent Power Limited, State Vidyut Jalnigam, Adani Green Energy limited etc.

Educational & Research Institutes: Government and private sector Institutions/Universities of national importance.

Other Government Agencies: Atomic Mineral Division, Indian Bureau of Mines, Central Ground Water Board, State Ground Water Boards, Rare Earth Element Limited etc.



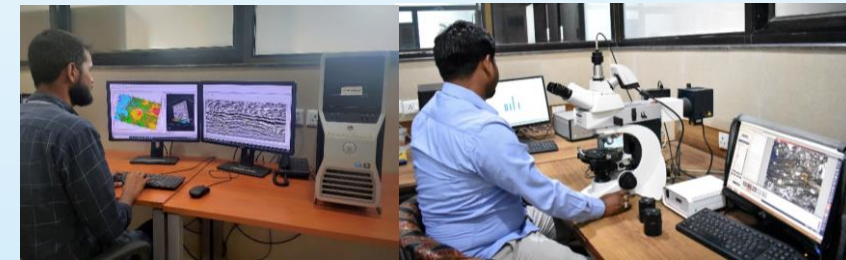
About the Geoscience and Engineering Program

The objective of this 5-year IDD program in Geoscience and Engineering (B.Tech) and Geological Technology/Geophysical Technology (M.Tech) is to:

- develop a broad and balanced knowledge and understanding of geological and geophysical concepts of earth evolution, principles and theories of stratigraphy, geological mapping, exploration, exploitation and management of natural resources.
- learn, design and perform experiments in labs as well as in field, and get industrial exposure to demonstrate the concepts, principles and theories learned in the classrooms.
- involve field excursions and studies for better exposure and participation in discussion with industrialist, scientists, etc.
- expose the student to the vast scope of Geoscience and Engineering as a theoretical and experimental study with applications in solving most of the geogenic problems in nature spanning from disaster management,, water pollution, oil exploration and mining, etc.

About the Department

The Department was established in the year 2007 with the aim to make its mark in the Oil and Gas Industries in the country by providing industry-ready students who can work in the challenging and upcoming areas. The department, under the able guidance of six leading Oil PSUs (ONGC, IOCL, OIL, GAIL, BPCL, and HPCL) in association with the Oil Industry Development Board (OIDB), has marked its presence to the academia and research in the domain of petroleum engineering. The department has experienced faculty members, technical personnel aided by industry experts. The undergraduate and postgraduate courses offered by the department are at par with the courses offered by most International/National Universities in these domains.



Contact Us:

Head of the Department
Petroleum Engineering and Geoengineering
Rajiv Gandhi Institute of Petroleum Technology
Jais, Amethi-229304, U.P., India
E-mail: head_pegs@rgipt.ac.in
Telephone No: +91 9453045135

