

Department of Geology

Subject Outcome

The program outcome of subject "Geology" is of profound importance. The term "Geology" is made up of two Greek words. "Geo" meaning the earth and "logos" meaning, discourse or study. It is the science of that very earth on which we live, enjoy ourselves and utilize the innumerable bestows.

The study of Geology, though is of profound importance, still remains to be a subject of a few students, mainly because the general public is not sufficiently aware of the job potentialities and employment opportunities of an earth scientist in India.

Geology is that branch of science which gives us information of the entire earth, the earth, how it was and what it is.

Hence the subject of Geology is divided into several branches :

Physical geology, Structural geology, Mineralogy, Petrology, Historical geology, Economic geology, Coal and Petroleum geology, Hydrogeology, Engineering geology, Remote sensing, Aerial photography etc.

However, there are three important offshoots of geology:

1. Applied geology
2. Geochemistry
3. Geophysics

Geologists also co-operate hand to hand with engineers in a varieties of projects, i.e. Soil conservation, Ground water utilization, Multipurpose river valley projects, Dam and Reservoir site selection, Tunneling and High way construction, invention and development of sophisticated techniques and in the exploration of hidden minerals.

The presence of geologists are essentially require to identify the earthquake prone areas, in mining and petroleum industries. Hence the field work of a geologist is vast and without whose services a country cannot dream of any comprehensive development.

Higher education in geology is available at a number of universities in India, i.e., Ranchi, Chaibasa, Aligarh, Varanasi, Mumbai, Kolkatta, Ahmedabad, Jabalpur, Karnataka, Lucknow, Madras, Patna, Pune, Rajasthan, Roorkee, Utkal, Guahati, Punjab, Allahabad etc, etc.

Reputed institution like, IIT Kharagpur, IIT Kanpur, IIT B.H.U. IIT Roorkee, ISM Dhanbad, IIT Mumbai, offer 5 years integrated course, leading to M.Sc in Applied Geology and Exploration Geophysics.

Geologists possessing M.Sc degree from well recognize institutions are recruited to Class I and Class II Gazetted Central service as Geologist , Senior Technical Asstt, Jr Technical Asstt, Sampler , Soil conservation officer, Junior and Senior Research associate, Petroleum geologists, scientific officer, etc.

Various central government department , like Oil and Natural gas corporation , National mineral development corporation , Hindustan Copper Ltd, Hindustan Zinc Ltd, Hindustan Steel Ltd, National Coal and development corporation , Central water and Power Commission, Dept. of Atomic Energy , and many other government and private companies employ geologists.

Thus the career of a Geologist is a certainly rewarding.

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