

Bengal Engineering and Science University and the subject Geology possess a century old relationship. Many eminent geoscientists have offered their teaching and research expertise in the past. Previously teaching in geology was introduced in this university to meet the need of the would be engineering graduates only in Civil Engineering, Mining Engineering and Metallurgical Engineering branches. The science streams have emerged as an integral part of the university offering postgraduate degrees from 2001. The Department of Geology, however, has started to offer independent postgraduate courses in geology after its separate identity as a science department from 2005.

Students of the present department are being trained by permanent and eminent visiting faculties of diverse fields of geology, involved in frontier areas of research like sedimentology, basin tectonics, basin analysis and paleontology etc. to cope up with the need of petroleum or mineral exploration, natural hazard mitigation and geoscience research. Students are able to find employment in mining companies, petroleum industries and environmental firms.

Sedimentology, at this hour, is on the verge of emergence bearing a pivotal role in global economy, especially in oil sector. The Department of Geology of this university is enriched in sedimentological expertise. Postgraduate students in this department are being exposed to the unsolved problems the Proterozoic rocks of Rajasthan, Chattisgarh, Cuddapah, Singhbhum are known to them. At the same time, the dynamics of a recent river like the Teesta is being studied by the students from the Sikkim Himalayas area. The studies are centered within the periphery of sedimentology and basin analysis research.

The students are also gaining experience in fossil studies under the subject paleontology through tackling of research problems regarding evolution of various ancient life forms, especially from the Cretaceous rocks of Madhya Pradesh.

Problems of Exploration Geophysics, geohydrology, GIS and Remotesensing application in earthsciences are being introduced to the students by eminent visiting scientist and the knowledge is helping them to get jobs in oil sectors and geoinformatics. Training of application of geological knowledge, which is essential for mine planning, handling other problems of mining geology and engineering geology are also being imparted to them in this course.

Within a short span of time the department has been able to accommodate four numbers of

research scholars for Ph.D. degree. At this stage they are enrolled and working on sedimentological and hydrogeological problems. The research problems are mainly oriented with the dynamics of recent river, basin analysis of the Proterozoic rocks from different basins of India, sedimentation and paleogeographic modeling from the Tertiary rocks of Assam-Arakan basin and its potential for hydrocarbon exploration etc. For the purpose of studies in these problems, fund has been acquired through projects of the faculty members of the department from the Department of Science & Technology, Govt. of India and the University Grants Commission. The Department aims to focus on our future efforts and to create an atmosphere necessary to be competitive as geoscience becomes increasingly multidisciplinary.