

**Department of Geology & Geophysics,  
Indian Institute of Technology  
Kharagpur**

**DST – Fund for Improvement in S&T Infrastructure (FIST 2000)**

**Brief Outline of Department**

The Department was founded in 1951 and has made pioneering contributions in various fields of Geology and Geophysics. The Department hosts two National Facilities, one in Stable Isotope Mass Spectrometry and the other in EPMA other than a range of other facilities for geological and geophysical research.

**Teaching & Research Activities**

The Department has two 5 years integrated M.sc. programs (admission through IIT JEE), two 2 years M.sc. programs (admission through JAM) and two 2 years M.Tech. programs (admission through GATE) in Geology and Geophysics. The Department is actively engaged in research on Crustal Evolution, Metallogeny, Ancient Sedimentary Environments and Life Forms, Paleoclimate and Paleomonsoon and Natural Hazards.

**Facilities Created**

Laser Raman Microspectrometer, Laser Ablation ICP MS, Remote Reference Dual MT System; IR Microscope (FTIR) System; Total Organic Carbon Analyzer,

**Funding** Funded through the FIST Program Phase-I and II



Laser Raman Microspectrometer



Varian MS 8200 ICP MS with CETAC LSX 213 Laser Ablation Unit



The UMA 600 IR Microscope System with Varian Excalibur FTIR and Linkam IR Hot-Cold Stage



The SHIMATZU TOC V<sub>CPH</sub> Total Organic Carbon Analyzer

***For further details contact:***

Professor Anil K. Gupta  
Head & PI  
Department of Geology & Geophysics-  
IIT Kharagpur WB 721302  
Tel. No. 03222-282268 (o), 03222-283369(R)  
Fax no. 03222-282268  
Email ID. [anilg@gg.iitkgp.ernet.in](mailto:anilg@gg.iitkgp.ernet.in)