

Report for the year 2013

The Centre for Earth Sciences, created in the year 2007, has received funding from MoES in October, 2009 for the project entitled *Research, Education, and Manpower Development in the Discipline of Earth Processes*. Over the years, Centre has attained strength of 7 faculty members in the areas of Geochemistry, Geophysics, Petrology and Early Solar System studies. Faculty and students at the Centre have actively participated in various national programs ranging from expedition to Southern Ocean, studies on recent earthquakes and tsunamis, India's Monsoon Mission and GPS Networking.

At present the Centre has 22 PhD students. 2 students have recently submitted their PhD dissertation and are expected to graduate within a few months. The Centre has also initiated a new course, MTech in Earth Sciences, and the first batch comprising 5 students expected to join in the month of August 2013. Besides this, the Centre's activities are managed by 13 project staffs including 6 Post-doctoral Fellows and 7 technical staffs (recruited through MoES, DST and ISRO project funds). A unique feature of Centre is that it has succeeded in attracting PhD and MTech students, Project Assistants and Post Doctoral Fellows from diverse disciplines ranging from engineering to life sciences.

One of the accomplishments in the present project was the setting up of 4 training and research facilities which include (1) Geochemistry laboratory, (2) Petrology and Thin section laboratory, (3) GIS and Remote Sensing laboratory and (4) GPS data analysis laboratory. Besides setting up a library with a wide collection of books in the areas of Geochemistry, Geophysics, etc., it has developed a museum with rich collections of rocks and fossils from India and abroad. The Centre houses 3 additional laboratories which include Stable Isotope laboratory, TIMS and ICP (MS) and Rock Magnetism laboratory provided by the Institute. Over the period of last three years, students, faculty members and Research staff have generated 25 research publications, majority of them being in international journals. Faculty members at the Centre have received funds for research in different areas including climate study, rock study and earthquakes and very recently has also attracted funds from SHELL International a private agency.