



## Announcements

	<p><b>POST-PG DIPLOMA IN GEOINFORMATICS IN EARTH SCIENCE</b></p> <p><b>Geological Survey of India Training Institute, Hyderabad (in affiliation with Osmania University, Hyderabad)</b></p>	
<p>Applications are invited for the <b>Post-PG Diploma Course in Geoinformatics in Earth Science</b> for the academic session 2014-15. <b>Qualification: Master's degree in Earth Science / Geology / Applied Geology / or allied subjects from any recognised university in India.</b> The duration of the course is of two semesters, i.e. one academic year, with a course fee of <b>Rs. 10,000/- per semester</b>. Accommodation will be available on twin sharing basis at a cost of Rs. 750/- per month per head.</p> <p><i>Core Syllabus:</i> Aerial Photography and Aerial Photo-interpretation, Digital Photogrammetry, Remote Sensing, Digital Image Processing, Digital Data capture techniques, Projections and Spatial Referencing, Mobile mapping, Fundamentals of Raster and Vector GIS, Digital Elevation Modeling, Spatial Data Modeling in GIS, Network Analysis, 3-D modeling, Hydrological modeling, Digital Cartography, Urban GIS, Web GIS, Mineral Prospectivity Mapping, Model Building in GIS, Cadastral Mapping, Disaster Management and Natural Hazard mapping using Remote Sensing and GIS. The course will also contain project work based on RS and GIS studies with a field component.</p> <p><b>Contact address:</b> Dy. Director General, GSI Training Institute, GSI Complex, Bandlaguda, Hyderabad – 500 068 Phone: : 040-24225004, 09618228021 Fax: 040-24225029, Email: hod.gsiiti@gsi.gov.in</p>		
<p>Last date for application: <b>30<sup>th</sup> July, 2014</b> Application &amp; Brochure can be downloaded from GSI portal <a href="http://www.portal.gsi.gov.in">www.portal.gsi.gov.in</a></p>		

**Science and Engineering Research Board (SERB)**  
**A statutory body under the Department of Science and Technology,  
Government of India**

**CALL FOR PROJECT PROPOSALS ON EARTH'S CRITICAL ZONE RESEARCH**

The Science and Engineering Research Board (SERB) invites project proposals from Indian scientists to carry out multi-disciplinary research on Critical Zone in different geologic and climatic domains of India.

The earth's Critical Zone (CZ) is defined as heterogeneous segment extending from the surface to the aquifer in which complex interactions involving rock, soil, water, air and living organisms regulate the natural habitat and determine availability of life-sustaining resources. Weathering processes, water movement, soil formation and erosion combine to control landscape evolution, carbon sequestration, nutrient cycling and microbial activity within CZ. It is important to study the processes and multiple feedback loops that control landform evolution, soil formation, hydrologic and geochemical cycling in order to understand the present status of CZ and predict how CZ will change in response to anthropogenic and climatic perturbations. This makes Critical Zone as one of the most compelling and challenging research areas in Earth Sciences in the 21<sup>st</sup> century.

Project proposals are invited on Critical Zone research theme as outlined above, particularly in any of the following areas:

- Landform, ecosystem and climate interactions
- Soil-landform system
- Hydrology and flux flow within CZ
- Modern and ancient weathering and erosion system
- Geomicrobiology and geochemical cycling

Project proposals may be submitted to the Earth Sciences PAC under the EMR Scheme through online at [www.serbonline.in](http://www.serbonline.in) for consideration by SERB within two months of publication of this call.