



भारत सरकार / Government of India  
भारतीय भूवैज्ञानिक सर्वेक्षण प्रशिक्षण संस्थान  
**Geological Survey of India Training Institute**

मिशन-५ : प्रशिक्षण एवं क्षमता सृजन

Mission- V : Training and Capacity Building

बंदलगुड़ा, हैदराबाद- ५०००६८, भारत / Bandlaguda, Hyderabad - 500068, India



पाठ्यक्रम प्रतिवेदन / COURSE REPORT

**Training on Petrographic Techniques and Structural Geology  
for students of Manipal Academy of Higher Education, Manipal, Karnataka under  
“BHUVISAMVAD”  
05.03.2019 to 09.03.2019**



**शीर्षक:** पेट्रोग्राफिक तकनीकों और संरचनात्मक भूविज्ञान पर प्रशिक्षण

**Title:** Training on Petrographic techniques and Structural Geology

**उद्देश्य:** मणिपाल एकेडमी ऑफ हायर एजुकेशन, मणिपाल के छात्रों को पेट्रोलॉजिकल तकनीक और संरचनात्मक भूविज्ञान में प्रशिक्षित करना।

**Objective:** To train students of Manipal Academy of Higher Education, Manipal in Petrological Technique and structural geology.

**स्थान / Venue:** शैलिकी प्रभाग, भा.भू.स.प्र.सं., हैदराबाद/Petrology Division, GSITI, Hyderabad

**FSP ID:** BHUVISAMVAD/भूविसंवाद

**दिनांक /Date:** 05.03.2019 to 09.03.2019

**Course Summary:**

The **Training on Petrological Technique** is conducted under the aegis of BHUVISAMVAD at the Petrology Division, GSITI, Hyderabad from 05.03.2019 to 09.03.2019 for 05 days for the MSc students of Manipal Academy of Higher Education, Manipal. The objective of the course is to train the MSc college students in understanding various aspects of Petrological Technique and Structural Geology.

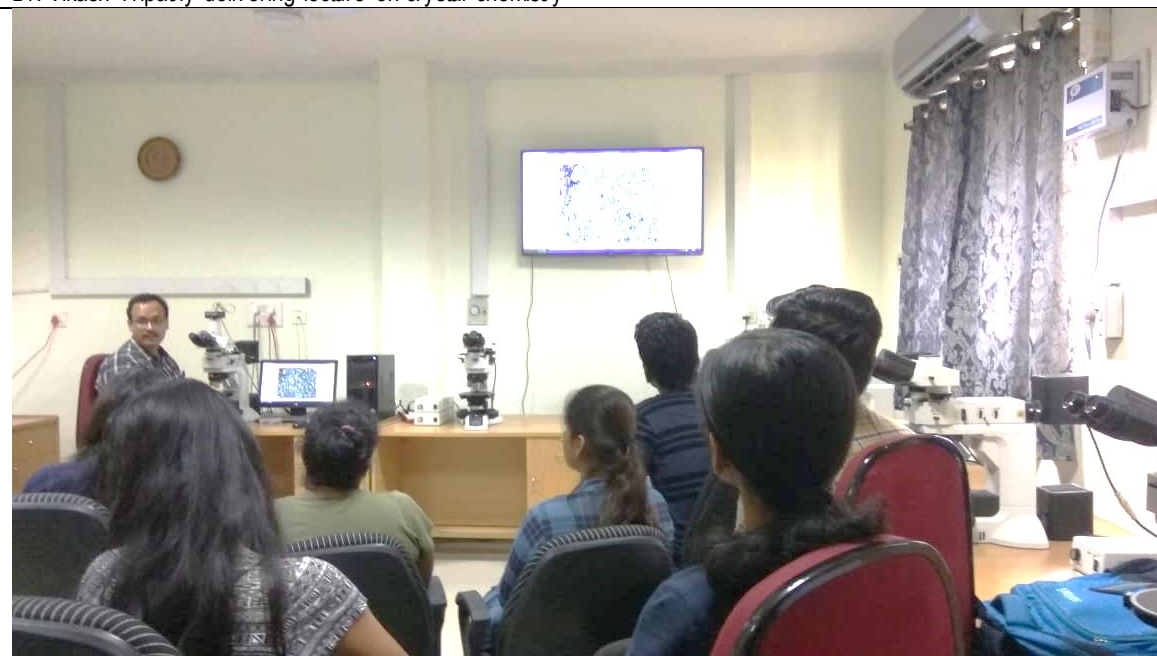
The training module involved lectures, demonstration and hands on practice for identification of minerals and rocks under microscope. It also involved lectures on structural geology and microtectonics and their demonstration under microscope. The course involved lectures by Dr. Vikash Tripathy, Senior Geologist on Introduction to Minerals and Optical Mineralogy, Introduction to Igneous petrology, IUGS classification of volcanic and plutonic igneous rocks and textures, Sedimentary Rock classification, Metamorphic rocks and common textures and preparation/hands on practice of cross sections. Demonstration and hands on practice by students by under microscope were also carried by on different minerals, and rock types. The students and faculty of the Manipal University also visited the Geological Park and Museum of the GSI SR.

Total of **26** MSc students and **01** faculty from Manipal Academy of Higher Education, Manipal attended the training programme. All the students appreciated the style of teaching and efforts by the Training Institute in rendering Bhuvisamvad activities to University students.

गतिविधियों की झलक / Glimpse of Activities



Dr. Vikash Tripathy delivering lecture on crystal chemistry



Demonstration of mineral under microscope by Dr. Vikash Tripathy



Interaction with the students of Manipal University during demonstration of mineral under microscope



Interaction with students and faculty in lecture room during lecture session



Dr. Vikash Tripathy delivering lecture on optical mineralogy



Students of Manipal University during hands on practice under microscope



Group photograph with the students of Manipal Academy of Higher Education, Manipal