



ACTIVITIES OF BHUVISAMVAD IN NORTH EASTERN REGION GEOLOGICAL SURVEY OF INDIA



NORTH EASTERN HILL UNIVERSITY, SHILLONG

Bhuvismvad, a platform to promote interaction between professionals of Geological Survey of India with academia was organized in the Dept of Environmental Studies, North Eastern Hill University, Shillong on 14th May, 2019.

Prof. H. Lamin, Pro Vice Chancellor, NEHU was the chief guest and Dr. Rahul Banerjee, Regional Director, AMD, NER, Shillong was the guest of honour for the programme. During the programme, Dr. Bashab N. Mahanta, Suptdg. Geologist, SU: Meghalaya, and Sh. B. R. Syngai, Sr. Geologist, Earthquake Geology Divn, NER, GSI, Shillong have delivered two invited talks on “Tectonic Geomorphology of Brahmaputra River” and “Application of Geomorphology in identification and mapping of active faults” respectively as part of Indian Science Congress Association lecture series and Bhuvismvad programme of Ministry of Mines.

The programme was attended by faculty members and thirty two research scholars and students of various departments of the university.

The programme commenced with an introduction by Prof. Devesh Walia, Professor of Dept of Environmental Studies. It was followed by a speech of the Pro VC, NEHU where he has expressed his happiness to be part of the programme and wished for more interactions of scientists like these for the benefit of the students.

Dr. Bashab N. Mahanta, Suptdg. Geologist then presented an overview of Bhuvismvad programme followed by the technical presentation. In his lecture he has explained the various tectonic domains of Brahmaputra basin. He emphasized the possible role of tectonics in governing the morpho-dynamics, bank line migration as well as flood hazards of the Brahmaputra River. The present day knowledge of the capture of Yarlung River, Yigong River etc were also was described in detail during the presentation.

In his presentation, Sh. B. R. Syngai, Sr. Geologist explained the use of geomorphology in demarcation and mapping of the active faults. He presented the case study of Assam-Arunachal Foot hills area where the geomorphic elements provide excellent signatures for defining the dynamics of the faults.

The presentations were appreciated by both students and faculty members. The lecture sessions were followed by interactive sessions where the students and faculty members participated enthusiastically.

In his concluding remarks Prof. Walia thanked GSI, NER, Shillong for accepting the invitation for the programme and wished that regular interactive programmes will be organized in near future.



Dr. Bashab N. Mahanta, Suptdg. Geologist presenting the talk on Tectonic Geomorphology of Brahmaputra River

Sh. B. R. Syngai, Sr. Geologist delivering the talk on Application of geomorphology in active fault mapping



Prof. H. Lamin, Pro Vice Chancellor, NEHU; Dr. Rahul Banerjee, Regional Director, AMD, NER, Prof. Devesh Walia, NEHU; Dr. Bashab N. Mahanta, Suptdg. Geologist, and Sh. B. R. Syngai, Sr. Geologist, GSI and other participants of the programme

A group of 30 Students along with 3 teachers from Mizo Modern School, Nongshiliang, Shillong visited the Museum of Geological Survey of India, North Eastern Region, Shillong, Meghalaya on 23rd May 2019. The students were given the introduction to Geology and the projects Geological Survey of India by Dr. Kevilhoutuo Theunuo, Sr. Geologist. He also explained the different types of rocks, minerals, and use of different rocks in our day today life. The students were very excited to see the different rocks, minerals and fossil exhibits. Mrs. R. R. Naik, Senior Geologist explained to the students about the importance of fossils and its use in understanding the palaeoenvironment. She also explained how fossils are formed. The Students were most excited to see the Dinosaur Egg on display at the Museum. All the students along with their teachers browse through the display of rock, minerals and fossils in the museum. Queries regarding the formation of different types of rocks and fossils were attended by Sh. Ramesh Laishram, Sr.Geologist.



Dr. Kevilhoutuo Theunuo, Sr. Geologist explaining about Geology and GSI.



Mrs. R R Naik, Senior Geologist explaining about fossils.



Students browsing through the display of the Museum



Participants

In connection with the recently launched 'Bhuvismvad'- a platform to create awareness about the subject geology and promote Geological Survey of India's contribution to the nation and interact with students and scientific communities in order to introduce them to nature of work carried out by the organization; an interactive session has been conducted at Laban Bengali Boys H. S. school, Shillong by Ms. Wanbiang Swer, Sr. Geologist, Ms. Kankanaa Mondal and Pradipta Sengupta, Geologists of SU: Meghalaya, GSI, NER, Shillong.

A total of 40 students of Class XII (Science stream) attended the session. Ms Kankanaa Mondal, Geologist gave an introduction about geology, the wide spectrum it encompasses starting from the formation of earth, rocks and minerals to natural hazards such as earthquakes and landslides; briefly defining each topic as well as mentioning GSI's role in mitigation of natural calamities and in quest for minerals.

Ms. Wanbiang Swer, Sr. Geologist introduced the concept of Bhuvismbad and explained the various domains and wide spectrum of work carried out by GSI under different missions, emphasising on field work carried out by showing photographs of while mapping, exploration, etc and acquainting the students with hand specimen of different rock types.

Shri Pradipta Sengupta, Geologist, elaborated the various career prospects after taking up geology, giving information about the universities and colleges where geology is taught, future job profiles and research arenas. A quiz session was held with distribution of small gifts. The students expressed willingness and actively participated in the quiz session. They also showed immense interest in taking up geology as their career choices. Feedback forms show that the interactive session held benefitted the students and was informative to them.

Ms Wanbiang Swer, Senior Geologist, SU:Meghalaya interacting with students of Laban Bengalee Boys over 'Bhuvismbad'.

