

One week STTP Report on Advances in Rock Engineering organized by IGS Aurangabad Chapter and Civil Engineering Department, MIT on 21-25August 2023.

Please find below brief report of one week STTP on Advances in Rock Engineering organized by IGS Aurangabad Chapter and Civil Engineering Department, MIT on 21-25August 2023.

The STTP started with a formal inauguration session at 10:45 am on 21st August 2023 through the online platform of Google meet. This included a welcome speech of the Convener; Dr. M.S. Dixit (Associate Professor, MIT Aurangabad & Secretary IGS Aurangabad chapter) followed by introductory speech by Dr. A.P. Singh, Hon. Secretary, IGS- Delhi and Dr. Santosh Bhosle-Director, MIT. Dr. P.R. Awsarmal HCED brief about the Department. Dr. Uttam Kalwane- Chairman, IGS Aurangabad Chapter brief about the activities of IGS Aurangabad Chapter. Dr. Saurav Rukhaiyar, Sr.Scientist, CSIR-CIMFR, Nagpur was the chief guest and addressed the participants and highlighted the importance of Rock Engineering in the field of research and innovation.

Following are the details of Expert talk arranged in the STTP: Dr. Saurav Rukhaiyar, Sr.Scientist, CSIR-CIMFR, Nagpur presented on the topic True Triaxial Strength Behaviour of Rock, Dr. Aditya Singh, IIT Roorkee gave the talk on the topic Engineering Behaviour of Rocks and Rock Masses, Dr. K.S.Rao, Professor, IIT, Delhi presented on the topic Role of Geomechanical Classification Systems in Rock Engineering Practice, Dr. Swapnil Mishra, IIT, Dhanbad explained on Static and Dynamic Failure of Underground Structures in Fragile Rock Masses, Mr. Saurabh Chaurasia, TechFab India, Delhi on the topic Current Techniques of Rockfall and Slope Mitigation works, Dr. Ashish Juneja, IIT, Bombay on the topic Characterisation of Vesicular Basalts of Western Maharashtra, Dr. Madhavi Latha Gali, IISc, Bangalore on the topic Challenging Experiences of Making Chenab Bridge, Er. Annapoorni Iyer, Engosym Consultants, Pune on the topic Rock Fall Mitigation Measures and Codal Guidelines, Dr. Ashwini Indulkar, Pune on the topic Stress Management Dr. Jay Aglawe, RockMech IT Solutions, Pvt.Ltd., Nagpur Introduction to Itasca Software for Advanced Geotechnical Analysis, Dr. N. Kumar Pitchumani, AECOM India Pvt. Ltd., Chennai on the topic Challenges in Underground Metro Construction ,and Dr. Vinay Bhushan Chauhan, MMMUT, Gorakhpur on the topic Understanding the Interaction of Shallow Foundations with Circular Cavities in Rocks: Observations and Recommendations.

The Objective of STTP is to make the participants understand about the mechanics behind the load transfer mechanism and the stability of different geotechnical structures constructed in/on the rocks becomes very much essential for the civil and mining engineers. The course 'Rock Engineering' will give an overall idea about the rock mechanics and its applications. 69 participants registered for this STTP from 19 states out of which 54% were faculty members, 32% Industry person/ Consultants, 7% Research Scholars and 7 % PG Students. Participants consisted of Faculty members of renowned institutions, Research scholars and PG Students from almost all parts of India.

During valedictory session, some of participants shared their overall feedback about STTP. Huge efforts were taken for successfully organizing this STTP by Prof. Yogesh Shermale, Prof. Archana Pathak, Prof. Alka Wevhal, Prof. S.T.Patil, Prof. S.N. Pawar, Prof. A.P. Jaiswal, Prof. A.A. Ratnaparkhi and Prof. Sagar Deshmukh .

 <p>Dr. K.S. Rao, Professor, IIT Delhi</p>	 <p>Dr. N. Kumar Pitchumani, AECOM India Pvt. Ltd., Chennai</p>	 <p>Dr. Madhavi Latha Gali, IISc Bangalore</p>
 <p>Dr. Ashish Juneja, IIT Bombay</p>	 <p>Er. Annapoorni Iyer, Engosym Consultants, Pune</p>	 <p>Dr. Swapnil Mishra, IIT Dhanbad</p>
 <p>Dr. Aditya Singh, IIT Roorkee</p>	 <p>Dr. Saurav Rukhaiyar, Sr.Scientist, CSIR-CIMFR, Nagpur</p>	 <p>Dr. Ashwini Indulkar, Pune</p>
 <p>Dr. Vinay Bhushan Chauhan, MMMUT, Gorakhpur</p>	 <p>Mr. Saurabh Chaurasia, TechFab India, Delhi</p>	 <p>Dr. Jay Aglawe, RockMech IT Solutions,Pvt.Ltd., Nagpur</p>

Manish

Dr. Manish S. Dixit,
Associate Prof. MIT &
Hon. Secretary, IGS Aurangabad
Chapter