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**INDUSTRIAL VISIT ORGANIZED
BY THE DEPARTMENT OF CIVIL
ENGINEERING**

INDUSTRIAL VISIT TO GEOLOGICAL SURVEY OF INDIA - BENGALURU

The Department of Civil Engineering, MVJCE, organized a one-day Industrial Visit to Geological Survey of India – Bengaluru, on Wednesday, 20/12/2023. 38 students from 5th and 3rd semester participated in this visit, enthusiastically. They were accompanied by faculty members Prof. Sagar C P and Prof Vidhya A Carmel. An Industrial Visit to this particular site had been selected in order to acquaint students with the field challenges in Geological studies, and to help them learn about the application of the study to solve Civil Engineering problems. The main objective of the visit to GSI, Bengaluru, was to help students understand the significance of the various aspects of Geology in Civil Engineering.

At GSI, students were able to learn and understand:

- Different technologies used in Mineral Exploration using Satellite Imagery and Aerial Photographs
- Methods adopted for Mineral Processing
- Identification of various Petrological samples
- Techniques adopted in identification of Minerals under a microscope
- Chemical analysis of Rock samples under scanning Electron Microscope (SEM) and Electron Probe Micro Analyzer (EPMA)
- Properties of various Rocks and Minerals



Industrial Visit: 5th and 3rd semester students, Civil Engineering Department, MVJCE, learning the techniques involved in Photo Interpretation using Satellite & Aerial Photography shown by Dr.Karthikeyan, Senior Geologist at GSI, Bengaluru, on 20/12/2023.



Industrial Visit: 5th and 3rd semester students, Civil Engineering Department, MVJCE, looking at the Mineral Processing Unit explained by Mr. Chetan & Dr. Sethalekshmi, Senior Minerologist at GSI, Bengaluru on 20/12/2023.



Industrial Visit: Prof.Sagar C.P and Prof Vidhya A Carmel along with 5th and 3rd semester students students,Civil Engineering Department, MVJCE, at GSI,Bengaluru.

EVENT OUTCOME: The Field visit gave students an opportunity to expand their knowledge and co-relate the theoretical concepts that they have learnt to field work. This partly satisfies PO 4 - Conduct investigation on complex problems, PO5 - Modern tool usage and PO12 - Lifelong learning in the field of Civil Engineering.