



IE(I) STUDENTS' CHAPTER-CIVIL
CHAPTER CODE: 388120/BVME/CV
B.V.M. ENGINEERING COLLEGE
V.V. Nagar - 388120



Advisor: Prof. N.F. Umrigar

Chairman: Dr. L.B. Zala

Report of Webinar on “Importance of interface between Geotechnical and Structural engineering”

IE(I) Students' Chapter Civil BVM, organised a webinar on “Importance of interface between Geotechnical and Structural Engineering” by Mr. Bhavin Shah (founder & CEO, SQVe (Consultant) on 24th October 2020 via Google Meet platform. A total of 64 participants attended the webinar from 10:15 a.m. to 11:50 a.m.

The webinar was started by a prayer & was inaugurated with the opening speech by Dr. I. N. Patel, Principal, BVM Engineering College. Dr. L.B. Zala welcomed everyone & congratulated the new IE(I) Civil team for the event. Dr. A.K. Verma congratulated the team and inspired them for the future with his kind words. Prof. A.N. Bhavsar welcomed the guest speaker Mr. Bhavin Shah & gave a brief introduction about him & his career in the field of Geotechnical Engineering.

Expert of Webinar:

- Mr. Bhavin Shah
Founder & CEO
SQVe Consultants

The Speaker started with a brief introduction about the topic & why we need to know about it. Firstly, he showed some of the case studies in order to make the participants familiar with the topic. He briefed about the steps they need to follow for a green field project. Then, he highlighted a few reasons for the failure of a

structure due to geotechnical works. He discussed about the importance of Geotechnical & Structural engineer working together. Then, he emphasized on some case study of failure and the reasons behind it & a few successful projects done by him. He concluded his session by thanking the IE(I) SC Civil team & the faculty members. A question and answer session was conducted after that. The webinar was concluded with a vote of thanks by Prof. N.F. Umrigar.

Contents:

The topics that were briefly covered were:

- “Typical overall cycle of a green field project.”
- “Interface gaps between Geotechnical and Structural Engineering.”
- “Soil dynamic properties and soil foundation design consideration.”
- “Why Geotechnical and Structural engineer should work together throughout the project life cycle?”
- “Importance of joint site visits of Geotechnical and Structural engineer.”
- “Case studies of failure of structures and the reasons behind it.”
- “Successful projects completed by the speaker.”

Program Outcomes:

1. The participants got to know about the reasons for failure of structure due to the lack of interface between Geotechnical and Structural Engineer.
2. They were made aware of the process to carry out a Geotechnical tests before construction.
3. They were made familiar with the topic by taking a few case studies and the reason for their failure.
4. The participants got to know about the few interface gaps between the Geotechnical and structural engineer.

Snapshots:

“Importance of Interface between Geotechnical & Structural Engineering” A webinar organized by IE(I) Students’ Chapter Civil, Birla Vishvakarma Mahavidyalaya



Inauguration and welcome ceremony of speaker by respected Principal **Prof. (Dr.) Indrajit Patel Sir**



Introduction of topic to be discussed



Case study illustrations



Question and answer session