

Report of Expert Talk On
**“Introduction to Geotechnical Engineering and
Way Forward”**

by

Dr. Jitesh Chavda,

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on

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Organized by,

Department of Civil Engineering,
Sarvajanik College of Engineering and Technology (SCET), Surat.

Coordinators:

Dr. Pratima Patel &

Dr. Khushbu Gandhi

An expert lecture on the topic *“Introduction to Geotechnical Engineering and Way Forward”* was organized by the Department of Civil Engineering, Sarvajani College of Engineering and Technology (SCET), Surat, on 4 February 2026. The programme was conducted in the Seminar Room of the Civil Engineering Department with the objective of enriching the academic learning of **B.Tech. II Year students** enrolled in the course **“Fundamentals of Soil Mechanics”**. The event was organized after obtaining due permission from the competent authority and commenced at 10:00 a.m. in the presence of students and faculty members of the department.

The session was delivered by Dr. Jitesh Chavda, Assistant Professor, Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat. The expert initiated the lecture by explaining the significance and scope of Geotechnical Engineering in civil engineering practice. He emphasized the role of soil mechanics in the analysis and design of foundations and other geotechnical structures and highlighted the importance of understanding soil behavior for safe and economical engineering solutions. During the lecture, Dr. Chavda discussed various applications of geotechnical engineering, including foundation engineering, slope stability, ground improvement techniques, and geotechnical investigations. He also shed light on emerging trends, research opportunities, and future prospects in the field of Geotechnical Engineering. The lecture was supplemented with practical examples and real-life experiences, which helped students, correlate theoretical concepts with practical applications.

The interactive nature of the session encouraged active participation from the students, who raised questions related to field practices, laboratory testing, higher studies, and career opportunities in geotechnical engineering. The expert addressed the queries effectively and motivated students to develop a strong conceptual base and research-oriented mindset. The expert talk was highly informative and beneficial for the students, as it broadened their understanding beyond the classroom syllabus and inspired them to explore the subject in greater depth. Faculty members also found the

session intellectually stimulating and useful for academic enrichment.

The Department of Civil Engineering, SCET conveys its sincere appreciation to Dr. Jitesh Chavda for delivering an insightful and motivating expert lecture. The successful organization of the event reflects the department's commitment to providing quality academic exposure to students through expert interactions. The event concluded with a positive response from participants, and the department looks forward to organizing similar academic activities in the future.

Glimpses of the Expert talk









“We acknowledge our Honorable Principal Dr. Hiren Patel for all kinds of support extended and Sarvajanik University for providing the platform and continuous support in organizing this expert lecture.”