

Report on Expert Talk under R & D Talk Series
“Key Geotechnical Parameters Governing
Conventional Foundation Performance: Emerging R
& D Trends”

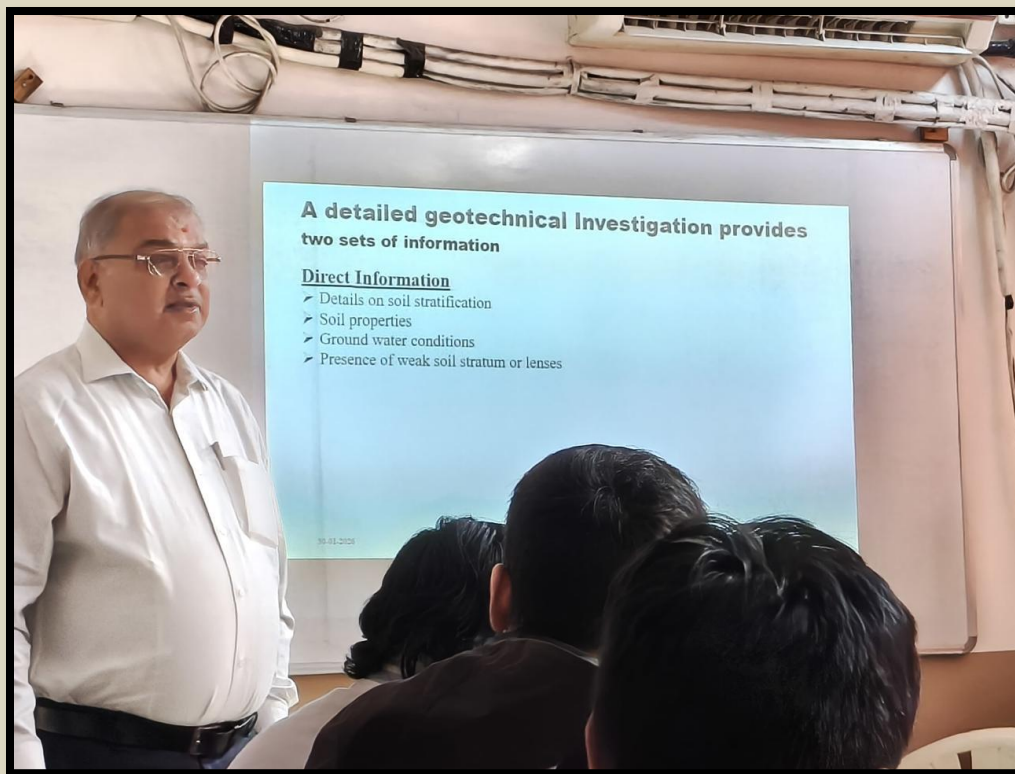
by

Prof. (Dr.) C. H. Solanki,

Sardar Vallabhbhai National Institute of Technology (SVNIT)

on

28 January 2026



Organized by,

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

Coordinators:

**Dr. Pratima Patel &
Dr. Khushbu Gandhi**

The Department of Civil Engineering, Sarvajani College of Engineering and Technology (SCET), Surat successfully organized an Expert Talk under the R & D Talk Series on “Key Geotechnical Parameters Governing Conventional Foundation Performance: Emerging R & D Trends” on 28 January 2026 at the Seminar Room of the Civil Engineering Department. The session commenced at 10:00 a.m. and witnessed enthusiastic participation from B.Tech. students and faculty members of the department.

The expert lecture was delivered by Prof. (Dr.) C. H. Solanki, Professor, Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat. The objective of organizing this expert talk was to enhance students’ conceptual understanding of fundamental geotechnical parameters influencing the performance of conventional foundations and to expose them to emerging research and development trends in Geotechnical Engineering.

During the lecture, Prof. (Dr.) C. H. Solanki elaborated on key geotechnical parameters such as soil strength, compressibility, permeability, bearing capacity, and settlement characteristics. He emphasized the importance of proper soil investigation and interpretation of test results for safe and economical foundation design. The expert also shared insights into recent advancements in geotechnical research, innovative testing techniques, and practical challenges encountered in real-life engineering projects. The session effectively bridged the gap between theoretical knowledge and practical applications.

The lecture was interactive, and students actively participated by asking questions related to field investigations, laboratory testing, and foundation performance. The expert addressed the queries with clarity and provided valuable guidance, motivating students to adopt a research-oriented approach in their academic and professional pursuits.

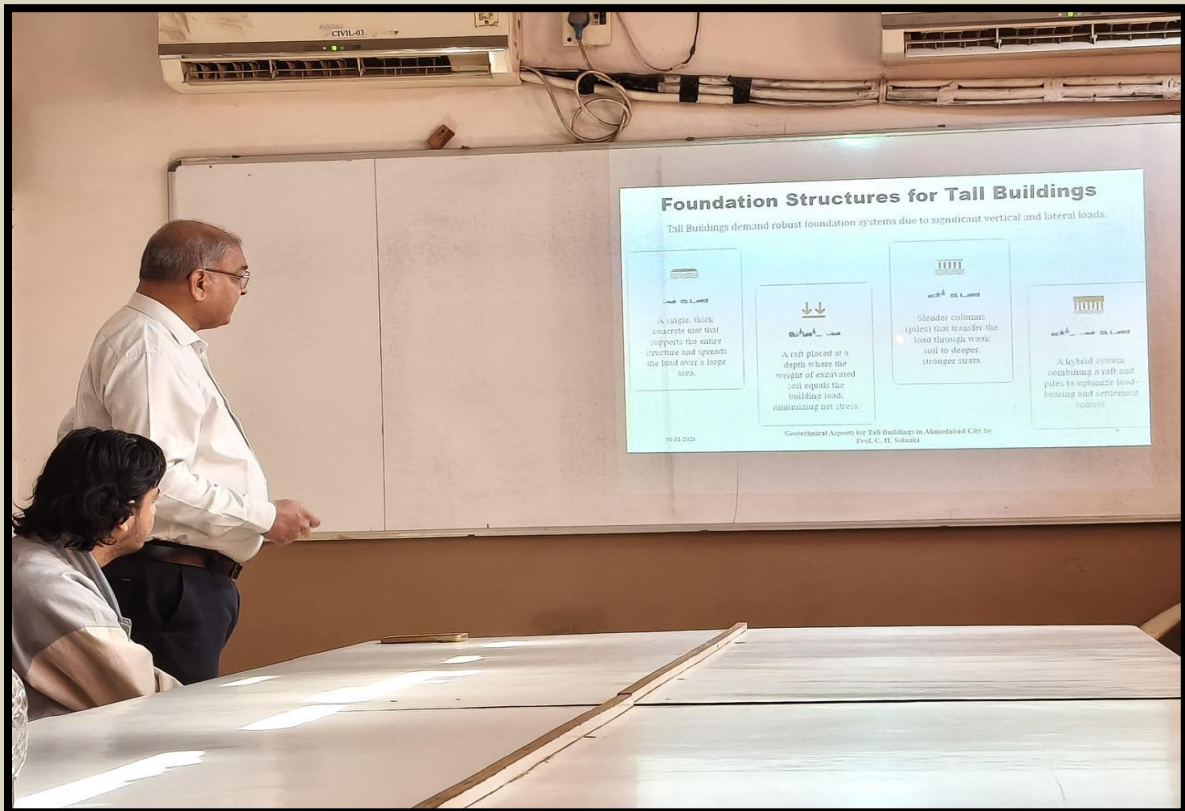
The expert talk proved to be highly beneficial for the students, as it enhanced their understanding of Geotechnical Engineering concepts beyond the classroom curriculum. It also encouraged them to explore advanced studies and research opportunities in the field. Faculty members also found the session technically enriching and academically stimulating.

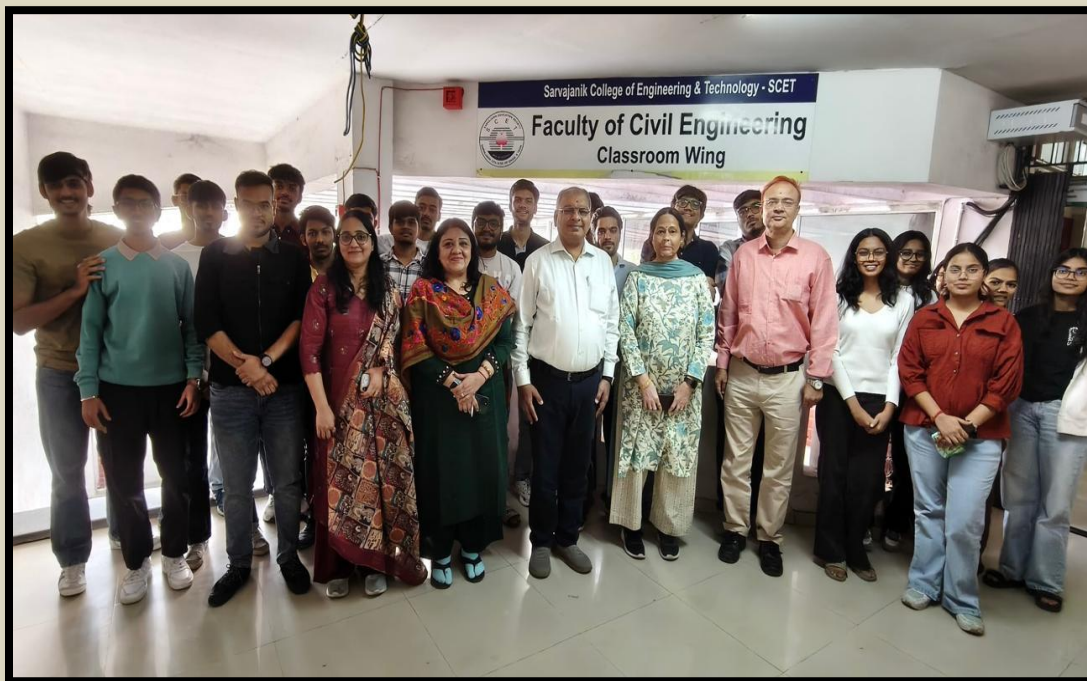
The Department of Civil Engineering, SCET expresses its sincere gratitude to Prof. (Dr.) C. H. Solanki for graciously accepting the invitation and sharing his invaluable knowledge and experience. The event was a great success and contributed significantly to the academic enrichment of students. The department looks forward to continued academic interaction and collaboration with the esteemed expert in the future.

Glimpses of the Expert talk









“We acknowledge our Honorable Principal Dr. Hiren Patel, Dean-R&D Dr. Utpal Pandya for all kinds of support extended and Sarvajnik University for providing the platform and continuous support in organizing this expert lecture.”