About Department of Civil Engineering

The Department of Civil Engineering of Anna University is the oldest in the Country. It dates back to May 17, 1794, as a Survey School and later a Civil Engineering College in 1859. Presently the Department of Civil Engineering has well-established divisions and centres viz., Structures, Water Resources, Soil Mechanics, Environmental Engineering, Transportation Engineering, Remote Sensing and Climate Change. The department offers 3 UG, 10 PG, and Ph.D. programs in all divisions.

About the Division of Soil Mechanics and Foundation Engineering (DSMFE)

The Division of Soil Mechanics and Foundation Engineering is one of the oldest divisions, offering a postgraduate programme in Soil Mechanics and Foundation Engineering (full-time and part-time) since 1958, in addition to supporting the undergraduate Civil Engineering programme. With decades of expertise, the Division actively provides expert consultancy on geotechnical challenges for the state government and private projects. It is well-equipped with both basic and advanced digital Soil Mechanics laboratories for testing soil, rock, and geotextiles. Specialized facilities include cyclic triaxial testing systems, a Fredlund soil-water characteristic device, and state-of-the-art computational tools.

About the Seminar

This seminar aims to bring together diverse methodologies of subsurface exploration, highlighting the correlation of soil properties with bore log data, and reinforcing their validity through case studies. It will serve as a common platform for researchers and practicing engineers to share insights, exchange ideas, and develop resilient solutions for geotechnical challenges. Geotechnical engineers, consultants and academicians will deliberate on the significance of subsurface investigations, interpretation of results, and practical inferences. The seminar will also address pre- and post-construction challenges arising from local site conditions, along with their rectification measures. Special focus will be given to the unique geotechnical problems encountered in Chennai Metro projects and the solutions implemented to overcome them.

Who should attend?

Practicing field Engineers, Research scholars, PG students, and Faculty members who seek to update their knowledge in geotechnical engineering application areas through case studies are encouraged to attend this seminar.

Venue

KOODAL HALL

Institute of Ocean Management, Dept. of Civil Engg., CEG Campus, Anna University.

Two-Day Seminar on Challenges of Subsurface Investigation and Design of Foundations for Difficult Soils (CSIDF – 2025)

28th and 29th October, 2025

Organized by

Division of Soil Mechanics and Foundation Engineering,
Department of Civil Engineering,
College of Engineering Guindy,
Anna University,
Chennai - 600 025

ORGANIZING COMMITTEE-CSIDF 2025

CHIEF PATRON
Convenor Committee

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Prof. Dr. J. Prakash, Registrar

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Prof. Dr. P. Hariharan, Dean, CEG
Prof. Dr. S. Kanmani, Head, Civil Engg.

CONVENOR
Prof. Dr. M. Muttharam, Head, DSMFE

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Why this topic?

Challenges in subsurface investigation for foundation design in difficult soils arise due to the complex and variable nature of soil properties that affect the safety and economy of foundation structures. Key challenges include variability and unpredictability of soil strata, difficult soil types, depth and sampling difficulties, groundwater conditions, requirement of specialized techniques and integration of field and laboratory data. Thorough and comprehensive subsurface investigation incorporating multiple techniques such as borings, test pits, penetration tests, and geophysical surveys is essential to acquire reliable data for safe and economical foundation design.

Invited Speakers

Er. I. V. Anirudhan
Geotechnical Consultant, Geotechnical Solutions, Chennai.

Dr. A. Boominathan
Senior Consultant & Formerly Professor, Dept. of Civil Engineering, IIT Madras.

Dr. R. G. Robinson
Professor, Dept. of Civil Engineering, IIT Madras.

Dr. M. Muttharam
Professor, Dept. of Civil Engineering, DSMFE, CEG, Anna University.

Dr. V. K. Stalin
Professor, Dept. of Civil Engineering, DSMFE, CEG, Anna University.

Dr. S. Ravichandran
Geotechnical Consultant, M/s. Josmar Consultancy Services, Chennai.

Dr. R. B. Arun Murugan,
Geotechnical Consultant, M/s. VRR Engineering Consultancy, Chennai.

Er. Rajendiran Vadivel,
Associate Director, AECOM Limited, CMRL Project, Chennai.

Registration Details

Registration is free. Limited seats are available on first-come-first-serve basis. Last date for registration is 15th October 2025.

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