

Department of Civil Engineering University of Moratuwa



Testing of Engineering Properties of Soil

This program is designed to provide participants with a comprehensive understanding of the Engineering properties of soil and their practical applications. Through a series of lectures and laboratory soil tests, participants will gain theoretical and practical experience in soil testing and data interpretation, which are essential to develop a practical understanding of soil mechanics that will be valuable in their future careers.

Target Group: Geotechnical Engineers, Technical Personnel

Duration: 4 full-days on week ends

Tentative Dates: 17, 18 and 24, 25 February 2024

Venue : Department of Civil Engineering, University of Moratuwa.

Fees: Rs. 45,000.00 per person

Closing Date for Applications: 31st of January 2024



Course Content:

A series of lectures on introduction to Soil Mechanics and Engineering Properties of soil.

Hands on experiments on:

- o Soil particle size analysis – Sieve analysis and Hydrometer analysis.
- o Soil Plasticity – Atterberg limit tests.
- o Compaction characteristics – Proctor compaction test, In-situ density test and CBR test.
- o Permeability characteristics – Constant head method and Falling head method.
- o Soil strength – Direct shear test and Tri-axial test.
- o Rock strength – Uniaxial compressive strength (UCS) test, LAAP test and Point load index test.
- o Consolidation of soil – Oedometer test.

Data interpretation and analysis.

Discussion on practical applications of soil properties.

REGISTER HERE



<https://forms.gle/P6iYFGLvUUUKG9DaLA>

Application Procedure

1. Applicants are required to apply for the course by completing the Google form before the closing date.
2. Successful applicants will be notified by 2nd of February 2024.
3. All the successful applicants are required to register by paying the course fees by 9th of February 2024. Payment details will be informed to all the successful applicants in due course.

Contact Details:

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Course Secretary:

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