

PROGRAMME OUTCOMES

After completion of the programme, the participants will be able to

- Explain the type of foundations.
- Explain the design concept of shallow foundations.
- Explain the settlement analysis.

COURSE FEE

Registration fee is Rs. 1000

REGISTRATION DETAILS

To apply online, follow the following link:

<https://payments.billdesk.com/bdcollect/bd/nittkolkata/10074>

CONTACT

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OBJECTIVES

This course will focus on analyzing and designing shallow isolated, combined, and mat foundation systems to resist vertical and horizontal loads coming from various superstructures. All key concepts and guidelines will be explained, and emphasis will be placed on the practical application

TOPICS TO COVERED

- Review of soil mechanics concepts needed for the design of shallow foundations, including basic soil mechanics concepts used in foundation design, shear strength, subsurface exploration, geotechnical drilling, sampling, and field tests.
- Shallow vs deep foundations, bearing capacity analysis.
- Bearing capacity in layered soils
- Settlement analysis of shallow foundations.
- Design considerations for shallow foundations.

INTENDED AUDIENCE

This training program is intended for Teachers of Polytechnics, Engineering Colleges & all higher educational institutes.

SHORT TERM TRAINING PROGRAMME

On

ANALYSIS AND DESIGN OF SHALLOW FOUNDATIONS

Program Code: CU89B

VIA
ONLINE MODE

Sept. 02nd - 06th, 2024



Organized by
Department of Civil Engineering

