

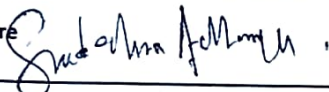
Sl. No.	Name of the Topic to Cover	Text Book	Teaching Method	Remark
1	Introduction	T1	G	OK
2	Preliminary Definitions and Relationship	T2	G	OK.
3	Index Properties of soil	T2	G	OK.
4	Classification of Soil	T3	P	OK.
5	Permeability and Seepage	T1	G	OK.
6	Compaction and Consolidation	R1	G	OK.
7	Shear Strength.	T2	G	OK.
8	Earth Pressure on Retaining Structures	R1	P	OK.
9	Foundation Engineering	T1	P	OK.

Method of Teaching

G: Green Board Teaching

P: Power Point Teaching

Faculty Signature



At the end of this course, students will be able to:

comprehend the scope of soil mechanics and define the associated terminology and inter-relation among various soil properties.

classify and indentify soil types under different standards

comprehend significance of permeability and seepage and compute those.

describe requirement and methodology of compaction and consolidation.

realize the methods towards shear strength estimation and obtain strength envelop for different types of soils.

define terms of foundation engineering and estimate bearing capacity.

TEXT BOOKS:

T1	Principles of Geotechnical Engineering by Braja M. Das, Cengage Learning
T2	Soil Mechanics and Foundation Engineering, by K.R. Arora, Stanard Publishers
T3	Soil Mechanics and Foundation Engineering by B.N.D. NarasingaRao, Wiley India Pvt.Ltd.

REFERENCE BOOKS:

R1	Basic and applied soil mechanics, by Gopal Ranjan, A S R Rao New Age International Publishers
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