



|| Jai Sri Gurudev ||  
**Adichunchanagiri Shikshana Trust (R)**  
**BGS INSTITUTE OF TECHNOLOGY**  
**Department of Civil Engineering**

**CO-PO & CO-PSO Mapping (18 Scheme)**

Programme	Course Code	Course Name	Credits	L-T-P	Assessment		Exam Duration
					SEE	CIE	
B.E	18C304	Geotechnical Engineering					3Hrs

**CO's**

18C304.1	Understand the basic definitions regarding the soils and their classification based on their index properties of soils.
18C304.2	Understand the principle of compaction and its control and compute the permeability of soils.
18C304.3	Understand the concepts of shear strength of soils and able to calculate the shear strength parameters by using various methods.
18C304.4	Understand the methods of soil exploration techniques and able to examine the properties of soil for different civil engineering projects.
18C304.5	Will be able to analyze and determine the lateral earth pressure distribution and bearing capacity of soil under different types of foundations.

**PSO's**

**PSO-1:** Graduates will be able to analyze, design and execute the civil engineering structures effectively for the sustainable development.

**PSO-2:** Graduates will acquire critical thinking abilities and technical skills for the usage of modern tools in development of civil engineering structures.

**PSO-3:** Graduates will be able to get opportunities for their professional growth, demonstrate communication and aptitude skills to face the challenges and needs of our society.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
18C304.1	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-
18C304.2	3	2	-	-	-	-	-	-	-	-	-	-	2	-	-
18C304.3	3	3	2	2	-	-	-	-	-	-	-	-	3	1	-
18C304.4	3	3	2	2	-	-	-	-	-	-	-	-	3	2	1
18C304.5	3	3	2	2	-	-	-	-	-	-	-	-	3	1	-
18C304	3	2.7 5	2	2	-	-	-	-	-	-	-	-	2.6	1.33	1

Course Owner

HOD