



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

CO-PO & CO-PSO Mapping (17 Scheme)

Programme	Course Code	Course Name	Credits	L-T-P	Assessment		Exam Duration
					SEE	CIE	
B.E	17C410	Design of Pre Stressed Concrete Elements	4	4-0-0	60	40	3Hrs

CO's

17C410.1	Demonstrate the basic concept of prestressing and analyse the prestressed concrete members during transfer and working conditions.
17C410.2	Compute the different types of losses in prestress and deflection of the prestressed concrete members.
17C410.3	Analyse and design prestressed concrete members for flexure.
17C410.4	Analyse and design prestressed concrete members for shear and transverse reinforcement
17C410.5	Compute the anchorage zone stresses and analyse the composite section under deflection, flexural and shear strength.

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
17C410.1	3	3	2	-	-	-	-	-	-	-	-	-	3	-	-
17C410.2	3	3	-	-	-	-	-	-	-	-	-	-	3	-	-
17C410.3	3	3	3	2	-	-	-	-	-	-	-	-	3	2	-
17C410.4	3	3	3	2	-	-	-	-	-	-	-	-	3	2	-
17C410.5	3	3	2	-	-	-	-	-	-	-	-	-	3	-	-
17C410	3	3	2.5	2	-	-	-	-	-	-	-	-	3	2	-

Course Owner

HOD