GUJARAT TECHNOLOGICAL UNIVERSITY
M. E. Semester II
Civil Engineering (Structural Engineering)

Subject: - Structural Design Project

Students are required to carry out following in laboratory hours,

Sr. No.	Course Contents
1	Design of Earthquake & Wind resistant RCC High-rise building with Shear walls.
2.	Design Of Bunkers and Silos.
3.	Design of Industrial Shed with steel or RCC gable frame.

Reference Books :

1. Earthquake Resistant Design - Manish Shrikhande & Pankaj Agrawal
2. Plain & Reinforced Concrete Vol. II - Jain & Jaikrishna
3. Advanced reinforced concrete design - P. C. Verghese
4. Design of Steel Structures - Arya A. S
5. IS-456(2000),IS-800(2007),IS-875(1987),IS-1893(2002),
6. IS-13920(1993), IS-3370, SP-16, SP-34.
7. IITK-GSDMA guidelines for design of water retaining structures