

<b>Shantilal Shah Engineering College, Bhavnagar</b>				
<b>Applied Mechanics Department</b>				
<b>BE - CIVIL ENGINEERING (SEMESTER 8th, &amp; 6th EVEN-2021)</b>				
<b>Syllabus of Mid Sem Evaluation (Online) (March-2021)</b>				
#	Semester	Subject Code	Name of Subject	Syllabus-Topic/Units
1	8th	2180609	Foundation Engineering	1. Selection of foundation and Sub-soil exploration / investigation 2.Pile foundations 3.Shallow Foundation : Introduction, significant depth, design criteria, modes of shear failures, Detail study of bearing capacity theories by Terzaghi
2		2180610	Design of Steel Structures	1.Loads and Load Combination; 2.Design of Plate girder
1	6th	3160612	Design of Reinforced Concrete Structures (Elective)	1.Introduction of Water Retaining Structures with IS 3370:2009 & Preliminary Design of Rectangular On ground Tanks.; 2. G+3 storey Building; 3. Design of retaining wall.
2		3160616	Foundation Engineering (Elective)	1. Selection of foundation and Sub-soil exploration/investigation 2.Pile foundations 3.Shallow Foundation : Introduction, significant depth, design criteria, modes of shear failures, Detail study of bearing capacity theories by Terzaghi 4.Retaining walls
3		3160621	Earthquake Engineering (Elective)	1. Earthquake Basics 2. Fundamentals of Earthquake Vibrations (Upto Free Undampd & Damped)
<b>PDDC - CIVIL ENGINEERING (SEMSETER 8th,EVEN-2021)</b>				
<b>Syllabus of Mid Sem Evaluation (Online) (March-2021)</b>				
#	Semester	Subject code	Name of Subject	Syllabus-Topic/Units
1	8th	X80602	Structural Design-II	1. Loading standards as per I.S, distribution & flow of loads, lateral load due to wind as per IS: 875(Part - III), load combinations, guide lines for preparation of structural layout for buildings 2. G + 3 storey Building Design
2		X80605	Repairs and Rehabilitation of Structures	1.Repair Strategies 2.Serviceability And Durability of Concrete

Sd/-  
HOD-Applied Mechanics  
SSEC-Bhavnagar