

## TEACHING PLAN FOR THEORY

Name of Subject Teacher: Girish Joshi

<b>Subject: Earthquake Engineering and Disaster Management      Class: M.E.(Third Semester)    Branch: CIVIL</b>		
<b>Lecture No</b>	<b>Scheduled Date</b>	
1		Module 1: Introduction to Disaster and its Management Definition of Disaster, Types of Disasters
2		Types of Disasters i.e. Natural and Man Made Disasters
3		Types of Disasters i.e. Natural and Man Made Disasters
4		Natural: Earthquake, Volcanoes and Tsunamis Man Made: Fire, Blast etc
5		Natural: Earthquake, Volcanoes and Tsunamis Man Made: Fire, Blast etc
6		Natural: Earthquake, Volcanoes and Tsunamis Man Made: Fire, Blast etc
7		Module 2: Develop an understanding of why and how the modern disaster manager is involved with predisaster and post-disaster activities
8		Develop an understanding of why and how the modern disaster manager is involved with predisaster and post-disaster activities
9		Develop an understanding of why and how the modern disaster manager is involved with predisaster and post-disaster activities
10		Predisaster and post-disaster activities. Effect on structural elements
11		Predisaster and post-disaster activities. Effect on structural elements
12		Predisaster and post-disaster activities. Effect on structural elements
13		Module 3: Design of RCC Structures Design of multi-story RC structure with foundation as per latest IS: 1893
14		Design of RCC Structures Design of multi-story RC structure with foundation as per latest IS: 1893
15		RC structure with foundation as per latest IS: 1893 by Equivalent static lateral load method

16		RC structure with foundation as per latest IS: 1893 by Equivalent static lateral load method
17		Equivalent static lateral load method and Response Spectrum Method
18		Equivalent static lateral load method and Response Spectrum Method
19		Module 4: Design of Steel Structures Introduction to Time history method
20		Design of Steel Structures Introduction to Time history method
21		Design of Steel Structures Introduction to Time history method
22		Capacity based design of soft story RC building, design of Shear Walls
23		Capacity based design of soft story RC building, design of Shear Walls
24		Ductile detailing as per latest IS:13920