

LESSON PLAN		
Name of the Course: STAAD.Pro Connect: Building Design Course - Beginners to Advanced		
No. of Days: 30 Days		No- of Hours per day: 2 Hours
Mode of Conduction: Hybrid Mode		
S. No.	Topics to be covered	Lecture No./ Day
1	<ul style="list-style-type: none"> Overview of structural analysis and design software Introduction to STAAD Pro interface and features Creating a new project and workspace setup 	1-2
2	Creating nodes, members, and plates	3
3	Defining member properties	4
4	Assigning support conditions	5
5	Editing and modifying the model geometry	6
6	Understanding different types of loads (dead, live, wind, etc.) Applying concentrated and distributed loads	7-8
7	<ul style="list-style-type: none"> Creating load combinations Analyzing and interpreting load effects 	9
8	Basics of Indian Standard Codes	10
9	<ul style="list-style-type: none"> Static Analysis Response spectrum analysis 	11-12
10	<ul style="list-style-type: none"> Introduction to steel design Defining steel sections and properties 	13
11	<ul style="list-style-type: none"> Introduction to concrete design Defining concrete sections and properties 	14
12	Performing Concrete Design Checks	15
13	Wind Analysis and Design	16
14	Generating Analysis and Design Reports	17
15	Practical Exercises and Case Studies	18-19
16	Modelling and Design of Circular Water-Tank	20-22
17	Discussions on Assignment	23
18	Modelling and Design of G+3 Multi-storey building.	24-28
19	Review the key concepts and techniques learned throughout the course, Doubt Clearing, Question and Answer Session	29-30

