PC/CE/52-P **Structural Analysis-II Lab** **5th Semester**

Discipline	B.Tech in Civil Engineering
Semester	5TH SEM (3RD YEAR)
Subject	Structural Analysis-II Lab
Lesson Plan Duration	15 Weeks
Work Load (Lecture / Practical) per week (in hrs.)	Lectures – 02

Week	**Practical Name**
1ST	Experiment on a two hinged arch for horizontal thrust & influence line for Horizontal thrust
2ND	Experiment on a two hinged arch for horizontal thrust & influence line for Horizontal thrust
3RD	Experimental and analytical study of a 3-bar pin-jointed Truss.
4TH	Experimental and analytical study of deflections for unsymmetrical bending of a Cantilever beam.
5TH	Begg's deformeter- verification of Muller Breslau principle
6TH	Begg's deformeter- verification of Muller Breslau principle
7TH	VIVA VOCE-I
8TH	Experimental and analytical study of an elastically coupled beam.
9TH	Sway in portal frames - demonstration
10TH	Sway in portal frames - demonstration
11TH	To study the cable geometry and statics for different loading conditions
12TH	To study the cable geometry and statics for different loading conditions
13TH	To plot stress-strain curve for concrete.
14TH	VIVA VOCE-II
15TH	To plot stress-strain curve for concrete.