KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN

Session: Summer 2022-2023

Discipline: Civil engg	Semester:6th	Name of the Teaching Faculty: Dr.Sanjukta sahoo (Assistant professor) Mail.id sanjuktafce@kp.kiit.ac.in	
Subject: CADD Lab and Design & Detailing Practice (Pr603)	No. Of Days/Week:1(3periods)	Start Date: 13/3/2023 End Date: 23/5/2023	
Week	**Class Day**	**Theory**	
1st	1st	Slab in a simple building (Help from Sections 8 & 9 of SP 34 may be taken) (Plate I) Beam with chajja as in a simple building (Help from Sections 8 & 9 of SP 34 may be taken) (Plate I) lintel with chajja as in a simple building (Help from Sections 8 & 9 of SP 34 may be taken) (Plate I)	
2nd	1st	Slab, beam and lintel with chajja as in a simple building (Help from Sections 8 & 9 of SP 34 may be taken) (Plate I) Columns, column-beam connections with splicing, isolated footing, staircase (Help from sections 6, 7, 10 of SP 34 may be taken)(Plate 2)	
3rd	1st	Columns, column-beam connections without splicing, isolated footing, staircase (Help from sections 6, 7, 10 of SP 34 may be taken)(Plate 2) Different types of bolt connections, welded connections. (Plat3)	
4th	1st	Details of Pile and Pile cap 2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis	
5th	1st	Analysis of a Continuous beam with more than two span subjected to udl and point load	
6th	1st	3-D modeling of building structures ,dead load, live load, earthquake and wind load analysis, design of a 3 storeyed	

		building and preparation of reinforcement drawing and detailing
7th	1st	Introduction to STADD foundation. Basics- Modify, Wall, Door, Window
8th	1st	Basics- Component Room, Roof, Floor, Grid, Lines, Dimension Basics- Section, Level, Text, View
9th	1st	Modelling- Ramp Modelling- Railing Modelling- Stair
10th	1st	Site- Topo surface- Parking Component, Site Component
11th	1st	Align, Split, Trim, offset, Match type, Line work, Paint, Scale, Unit
12th	1st	3D View
13th	1st	Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands
14th	1st	Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands
15th	1st	Practice test