LESSON PLAN

DEPARTMENT OF CIVIL ENGINEERING, ITT, CHOUDWAR

SUBJECT- CADD LAB AND DESIGN & DETAILING PRACTICE PERIODS-3 PER WEEK
SEMESTER- 6TH

NAME OF INSTRUCTOR-BHAGYASHREE DAS

Week	Theory / Practical Topics
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)
2nd	Slab, beam and lintel with chajja as in a simple building (Help from Sections 8 & 9 of SP 34 may be taken) (Plate I)
3rd	Columns, column-beam connections with & without splicing, isolated footing, staircase (Help from sections 6, 7, 10 of SP 34 may be taken)(Plate 2)
4th	Columns, column-beam connections with & without splicing, isolated footing, staircase (Help from sections 6, 7, 10 of SP 34 may be taken)(Plate 2)
5th	Different types of bolt connections, welded connections
6th	Different types of bolt connections, welded connections
7th	Details of Pile and Pile cap
8th	2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis
9th	Analysis of a Continuous beam with more than two span subjected to udl and point load
10th	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

11th	Introduction to STADD foundation
12th	Basics- Modify, Wall, Door, Window, Component Room, Roof, Floor, Grid, Lines, Dimension, Section, Level, Text, View
13th	Modelling- Ramp, Railing, Stair 3.3 Site- Topo surface- Parking Component, Site Component 3.4 Align, Split, Trim, offset, Match type, Line work, Paint, Scale,
14th	3D View
15th	Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands