LESSON PLAN
FOR SUMMER SESSION (2023-24)

Name of Faculty : Mr. Yogeswar Bisoyee	
Discipline: Civil Engineering	
Semester: 6th	**Practical : 3P/ W**
Subject: CADD Lab and Design & Detailing Practice	**Total Periods: 45 Periods**
Semester From date 16/01/24	**To Date : 26/04/2024**

Week	Periods	Practical Topics
January 3rd week	3	1.0 Structural Detailing Practice: Draw the following with necessary details and schedule of bars from supplied sketches or given references such as SP 34 Record check
January 4th week	6	1.1 Slab, beam and lintel with chajja as in a simple building (Help from Sections 8 & 9 of SP 34 may be taken) (Plate I) Record check
February 1st week	9	1.2 Columns, column-beam connections with & without splicing, isolated footing, staircase (Help from seetions 6, 7, 10 of SP 34 may be taken)(Plate 2) Record check
February 2nd week	12	1.3 Different types of bolt connections, welded connections. (Plat3) Record check
February 3rd week	15	1.4 Details of Pile and Pile cap Record check
February 4th week	18	2.0 Use of STADD Pro Software: Record check
March 1st week	21	2.1 2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis Record check
March 2nd week	24	2.2 Analysis of a Continuous beam with more than two span subjected to udl and point load Record check
March 3rd week	27	2.3 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 Record check
March 4th week	30	2.4 Introduction to STADD foundation
March 5th week	33	Record check
April 1st week	36	3.0 Revit Architecture Software: 3.1 Basics- Modify, Wall, Door, Window, Component Room, Roof, Floor, Grid, Lines, Dimension, Section, Level, Text, View Record check

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April 2nd week	39	3.2 Modelling- Ramp, Railing, Stair Record check 3.3 Site- Topo surface- Parking Component, Site Component Record check
April 3rd week	4	3.4 Align, Split, Trim, offset, Match type, Line work, Paint, Scale, Unit Record check 3.5 3D View 3.6 Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands.
April 4th week	45	Record Check

Concern faculty signature

H.O.D Civil Engineering

Academic Coordinator GP Nabarangpur

Principal GP Nabarangpur