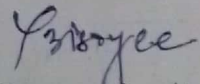


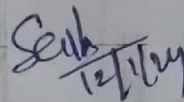
LESSON PLAN
FOR SUMMER SESSION (2023-24)

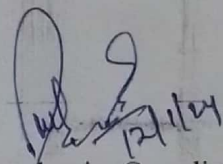
Name of Faculty : Mr. Yogeswar Bisoyee	
Discipline: Civil Engineering	
Semester: 6th	Practical : 3P/ W
Subject: CADD Lab and Design & Detailing Practice	Total Periods: 45 Periods
Semester From date 16/01/24	To Date : 26/04/2024

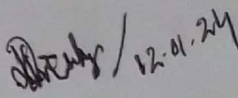
Week	Periods	Practical Topics
January 3 rd week	3	1.0 Structural Detailing Practice: Draw the following with necessary details and schedule of bars from supplied sketches or given references such as SP 34 Record check
January 4 th week	6	1.1 Slab, beam and lintel with chajja as in a simple building (Help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

April 2 nd week	39	3.2 Modelling- Ramp, Railing, Stair Record check 3.3 Site- Topo surface- Parking Component, Site Component Record check
April 3 rd 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 4 th week	45	Record Check


Concern Faculty
signature


H.O.D
Civil Engineering


Academic Coordinator
GP Nabarangpur


Principal
GP Nabarangpur