




## LESSON PLAN FOR SUMMER SESSION (2022-23)

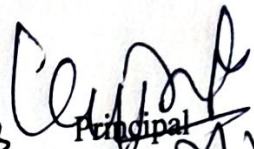
Name of Faculty : SAIRAM MISHRA		
Discipline: CIVIL ENGINEERING		
Semester: 6 <sup>th</sup>		Practical : 3P/ W
Subject: CADD Lab and Design & Detailing Practice		Total Periods: 45 Periods
Semester From date 14/02/23		To Date : 23/05/2023
MONTH & Weeks	Practical 1Day/week Total- 15weeks	Practical Topic
February 3 <sup>rd</sup> week	1	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
4 <sup>rd</sup> week	2	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
March 1 <sup>st</sup> week	3	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
2 <sup>nd</sup> week	4	1.3 Different types of bolt connections, welded connections. (Plat3) Record check
3 <sup>rd</sup> week	5	1.4 Details of Pile and Pile cap Record check
4 <sup>th</sup> week	6	2.0 Use of STADD Pro Software: Record check
April 1 <sup>st</sup> week	7	2.1 2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis Record check
2 <sup>nd</sup> week	8	2.2 Analysis of a Continuous beam with more than two span subjected to udl and point load Record check
3 <sup>rd</sup> week	9	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
4 <sup>th</sup> week	10	2.4 Introduction to STADD foundation Record check
May 1 <sup>st</sup> week	11	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

2 <sup>nd</sup> week	12	3.2 Modelling- Ramp, Railing, Stair Record check 3.3 Site- Topo surface- Parking Component, Site Component Record check
3 <sup>rd</sup> week	13	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. Record check

  
20/2/23  
Concern faculty  
signature

  
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H.O.D  
Civil Engineering

  
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