



BLACK DIAMOND SCHOOL OF ENGINEERING, JHARSUGUDA

LESSON PLAN

Session-(2022-2023)-WINTER

Discipline: Civil Engineering.	Semester: 3 rd , Winter 2022	Name of the Teaching Faculty: Mrs. Meera Dehury
Subject: Estimation & cost evaluation practice-1 (PR-3)	No. Of Days/Week: 1	Start Date: 14/9/2022 End Date: 21/1/2023
Week	Class Day	Theory Topics
1st	1 st	Types of estimates Plinth area, floor area / carpet area Use of standard estimating forms Accuracy of measurement of work
2nd	1 st	Methods of estimating, long wall short wall method Centreline method c/s of the wall and its estimation with help of MS Excel software
3rd	1 st	Earthwork excavation in foundation ,pcc, footing,Dpc with help of MS Excel software b/w in superstructure ,plinth, plastering with help of MS Excel software
4th	1 st	One room building estimation, introduction, Earthwork excavation with help of MS Excel software
5th	1 st	Pcc, b/w in footing in foundation and plinth with help of MS Excel software B/w in superstructure
6th	1 st	Plastering in superstructure White washing, weathering coat, verandah with help of MS Excel software
7th	1 st	Two storey building ,introduction ,Slide show Earthwork excavation in foundation, Pcc,b/w in footing and plinth B/w in superstructure, plastering Deduction of member
8th	1 st	Record submission viva
9th	1 st	Residential bulding,introduction

		Earthwork excavation with help of MS Excel software
10th	1 st	Pcc ,b/w in footing and plinth with help of MS Excel software b/w in superstructure, deduction with help of MS Excel software
11th	1 st	Plastering in superstructure, deduction with help of MS Excel software White washing, color washing with help of MS Excel software
12th	1 st	Analysis of rate, introduction, Calculation of dry material with help of MS Excel software
13th	1 st	Calculation of dry material, For cement concrete with help of MS Excel software Brick masonry in the cement mortar with the help of MS Excel software
14th	1 st	laterite stone masonry in Cement Mortar, cement plaster, white washing Artificial Stone flooring, concrete flooring, different R.C.C. items with the help of MS Excel software Painting of doors and windows etc with help of MS Excel software
15th	1 st	Sessional viva