

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY,
BURLA**

LESSON PLAN

Semester: 8th

practices

Subject: Estimation & Professional

Session:

Theory/Sessional

Branch/ Course: Architecture Engineering/ B.Tech.
Jena

Name of the Faculty Member: Sanghamitra

Period	Module/ Number	Topic to be covered	Remarks/ Sign. of Faculty Member
1	Module-I	Quantity Estimation: Introduction,Definitions & terms Used	
2		principles,units of measurements	
3		methods of preparing approximate estimates(plinth area & cubic content method)	
4		Problem Discussion	
5		Detailed building estimation	
6		Method of obtaining detailed quantities building items	
7		problems on centre line method	
8		problems on long wall & short wall method	
9		Problem Discussion	
10		Detailed Culvert estimation	
11		Problem Discussion	
12		Problem Discussion	
13		Detailed Bridge estimation	
14		Problem Discussion	
15	Module-II	Specification: Definition,purpose & importance	
16		General Specifications,Detailed Specifications	
17		earthwork excavations,foundation,CRS Masonry	
18		DPC,PCC,RCC,Brickwork	
19		doors & windows(wooden),mortars,plaster,painting	
20		flooring like terrazzo flooring & tiles,ceramic tiles	
21		marble,granite,distemper,snowsem,glazing	
22	Module-III	Rate Analysis: Cost of Materials & labour for various work	
23		Scheule of rates for different items of works	
24		Analysis of Rates for various types of works	
25		Problem Discussion	
26		Problem Discussion	
27		Problem Discussion	
28		Prime cost,capital cost	

29	Module-IV	Contract Management: Legal aspects,contract laws related to land auisition	
30		Labour safety and welfare,Different types of Contracts	
31		Avantages and Disadvantages of contracts	
32		Elements of Tener operation	
33		Evaluation of Teners and awward of work	
34		Disputes and arbitration	
35		Valuation: Introduction	
36		state the purposes of valuation of building explain the terms	
37		market value,book value,capital cost	
38		capitalized cost,year's purchase	
39		list out various methods of estimating the depriciation of building properties	
40		Calculate the value of the property by different methods	
<p>Signature of Faculty Member:</p> <p>Date:</p> <p style="text-align: right;">Counter Signature of H.O.D.</p>			