

**SARDAR RAJA COLLEGES
SARDAR RAJA COLLEGE OF ENGINEERING,
ALANGULAM**

DEPARTMENT OF CIVIL ENGINEERING

MICRO LESSON PLAN



SUBJECT : ENGINEERING ECONOMICS AND COST ANALYSIS

CODE : CE81

YEAR/SEMESTER : IV Year / VIII SEM

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DEPT. OF CIVIL ENGG**

OBJECTIVES AND DESCRIPTION

Business, different methods of appraisal of projects and pricing techniques. At the end of this course the main objective of this course is to make the Civil Engineering student know about the basic law of economics, how to organize a business, the financial aspects related to student shall have the knowledge of how to start a construction business, how to get finances, how to account, how to price and bid and how to assess the health of a project.

MICRO LESSON PLAN

HOURS	LECTURE TOPICS	READING
UNIT I BASIC ECONOMICS		
1	Definition of economics	T1
2	Nature and scope of economic science	T1
3	Nature and scope of managerial economics	T1
4	Nature and scope of managerial economics	T1
5	Basic terms and concepts of goods, utility, value and wealth (AV CLASS)	T1
6	factors of production , land , its peculiarities economies of large and small scale	T1
7	Consumption ,wants , its characteristics and classification	T1
8	Law of diminishing marginal utility and relation	T1
9	Relation between economic decision and technical decision	T1
UNIT II - DEMAND AND SCHEDULE		
10	Demand , demand schedule and demand curve	T1
11	Law of demand	T1
12	factors determining elasticity	T1
13	measurement , its significance	T1
14	supply , supply elasticity of demand and types of schedule (AV CLASS)	T1
15	supply curve , law of supply and elasticity of supply	T1
16	Time element in the determination of value	T1
17	Market price and normal price	T1

18	perfect competition , monopoly and monopolistic	T1
UNIT III ORGANISATION		
19	Forms of business	T1
20	Proprietorship , partnership	T1
21	Joint stock company and cooperative organization	T1
22	State enterprise , mixed economy (AV CLASS)	T1
23	Money and banking	T1
24	Banking , kinds	T1
25	Commercial banks , central banking functions	T1
26	Control of credit , monetary policy	T1
27	Credit instrument	T1
UNIT IV UNIT IV FINANCING		
28	Types of financing	T1
29	Short term borrowing ,Long term borrowing	T1
30	Internal generation of funds -	T1
31	External commercial borrowings	T1
32	Assistance from government budgeting support and international finance corporations (AV CLASS)	T1
33	Analysis of financial statement	T1
34	Balance Sheet	T1
35	Profit and Loss account	T1
36	Funds flow statement	T1
UNIT V UNIT V COST AND BREAK EVEN ANALYSES -		
37	Types of costing , traditional costing approach	T1
38	Activity base costing	T1
39	Fixed Cost , variable cost marginal cost	T1
40	Cost output relationship in the short run and in long run	T1
41	pricing practice, full cost pricing , marginal cost pricing, going rate pricing ,bid pricing	T1

42	Pricing for a rate of return ,appraising project profitability ,internal rate of return , pay back period , net present value and cost benefit analysis	T1
43	Feasibility reports , appraisal process , technical feasibility economic feasibility	T1
44	Financial feasibility ,Break even analysis	T1
45	Break even analysis (AV CLASS)	T1
46	Breakeven chart	T1
47	Managerial uses of break even analysis	T1