



SEMBODAI RUKMANI VARATHARAJAN ENGINEERING COLLEGE
SEMBODAI - 614809
BACHELOR OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
LESSON PLAN

Sub.Code:CE2451

Branch / Year / SEM: CIVIL/IV/ VII

Sub.Name:ENGINEERING ECONOMICS AND COST ANALYSIS

Batch: 2012-2016

Staff Name:M.ANBARASAN.,B.E.,

Academic Year: 2015-2016(EVEN)

UNIT	TOPICS	BOOKS FOR REFERENCE	NO. OF HOURS REQUIRED	TEACHING METHODOLOGY
UNIT I: BASIC ECONOMICS				
1	Definition of economics - nature and scope of economic science	R1	1	PPT
	Nature and scope of Managerial economics - basic terms and concepts – goods	R1	1	PPT
	Utility - value - wealth - factors of Production - land - its peculiarities - labour	R2	1	BLACK BOARD
	Economies of large and small scale - consumption - Wants - its characteristics and classification	R1	2	BLACK BOARD
	Law of diminishing marginal utility – Relation between economic decision and technical decision.	R2	2	BLACK BOARD
UNIT II: DEMAND AND SCHEDULE				
2	Demand - demand schedule	R1	1	BLACK BOARD
	demand curve - law of demand - elasticity of demand	R2	1	BLACK BOARD
	types of elasticity - factors determining elasticity - measurement - its significance	R1	1	PPT

	supply – supply schedule - supply curve - law of supply elasticity of supply - time element in the determination of value	R1	2	BLACK BOARD
	market price and normal price - perfect competition	R2	2	BLACK BOARD
	monopoly – monopolistic competition.	R1	1	PPT

UNIT III : ORGANISATION

3	Forms of business - proprietorship	R1	1	PPT
	partnership - joint stock company	R2	1	PPT
	cooperative organisation- state enterprise	R1	1	PPT
	Mixed economy - money and banking- kinds	R2	2	PPT
	commercial banks -central banking functions	R1	1	PPT
	control of credit - monetary policy - credit instrument.	R2	2	PPT

UNIT IV : FINANCING

4	Types of financing	R1	1	PPT
	Short term borrowing - Long term borrowing	R2	1	PPT
	Internal generation of funds -External commercial borrowings	R1	2	PPT
	Assistance from government budgeting support	R2	1	BLACK BOARD
	international finance corporations	R1	1	BLACK BOARD
	analysis of financial statement	R2	1	BLACK BOARD
	Balance Sheet – Profit and Loss account	R2	1	BLACK BOARD
	Funds flow statement	R1	1	BLACK BOARD

UNIT V : COST AND BREAK EVEN ANALYSES

5	Types of costing – traditional costing approach	T1	1	PPT
	activity base costing Fixed Cost variable cost marginal cost	T1	1	PPT
	cost output relationship in the short run and in long run pricing practice full cost pricing	T1	1	PPT
	marginal cost pricing – going rate pricing bid pricing	T1	1	BLACK BOARD
	pricing for a rate of return – appraising project profitability	T1	1	BLACK BOARD
	internal rate of return – pay back period – net present value	T1	2	BLACK BOARD
	cost benefit analysis – feasibility reports – appraisal process	T1	2	PPT
	technical feasibility economic feasibility – financial feasibility	T1	1	PPT
	Break even analysis - basic assumptions	T1	1	PPT
	Breakeven chart – managerial uses of break even analysis.	T1	2	PPT

REFERENCE:

1. Barthwal R.R., Industrial Economics - An Introductory Text Book, New Age
2. Jhingan M.L., Micro Economic Theory, Konark
3. Samuelson P.A., Economics - An Introductory Analysis, McGraw-Hill
4. Adhikary M., Managerial Economics
5. Khan MY and Jain PK "Financial Management" McGraw-Hill Publishing Co., Ltd
6. Varshney RL and Maheshwary KL "Managerial Economics" S Chand and Co

TEXT BOOK:

1. Dewett K.K. & Varma J.D., Elementary Economic Theory, S Chand & Co., 2006
2. Sharma JC "Construction Management and Accounts" Satya Prakashan, New Delhi.

**STAFF INCHARGE****CLASS INCHARGE****HOD**