

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA
(LECTURE PLAN)

Subject: **PROJECT COST MANAGEMNET (MBEM 202)**

Class: MBEM, II Semester

Nagaraju Kaja
Internal Marks: 50

Dept: Architecture
External Marks: 50

Number of Hours:03
Total Marks: 100

Objective: To introduce the importance of Construction Management/Project Manager in the field of Construction and to impart knowledge in the related disciplines.

S.NO	DATE	TOPIC OF CLASS LECTURE & DISCUSSION	REMARKS
1	Week 1	Introduction to cost management in construction And basic discussion	Lecture
2	Week 2	<u>Cost Management</u> ➤ Classification of construction costs ➤ Cost-Time relation ➤ Cost slope ➤ Cost optimization	Lecture
3	Week 3	<u>Cost Management</u> ➤ Estimates ➤ Effect of scale on construction cost ➤ Methods of financing	Lecture
4	Week 4	<u>Cost Management</u> ➤ Analysis of rates, ➤ Analysis of material, labour and equipment component, rationale of contingencies ➤ Detailed estimation, ➤ Schedule of rates ➤ Bills of quantities	Lecture
5	Week 5	INTERNAL TEST/PRESENTATION	
6	Week 6	<u>Value Engineering</u> ➤ Introduction/Definition ➤ Value Engineering job plan ➤ Life cycle costing ➤ Value engineering application	Lecture
7	Week 7	<u>Cost Analysis</u> ➤ Direct cost/Indirect cost ➤ Optimization of cost through Networks ➤ Linear programming	Lecture
8	Week 8	<u>Cost Analysis</u> ➤ Cost control-objectives ➤ Stages where cost can be controlled ➤ Cost control system ➤ Cost Control codes	Lecture
9	Week 9	<u>Accounting</u> ➤ Management Accounting	Lecture

		<ul style="list-style-type: none"> ➤ Nature and scope of management accounting, ➤ cost accounting ➤ Financial accounting and its limitation ➤ Accounting procedures 	
10	Week 10	<p style="text-align: center;"><u>Fund</u></p> <ul style="list-style-type: none"> ➤ Meaning of fund and fund flow analysis ➤ Advantages of fund flow statements, ➤ Limitation and preparation of fund flow statement and cash flow statement. ➤ 	Lecture
11	Week 11	<p style="text-align: center;"><u>Fund</u></p> <ul style="list-style-type: none"> ➤ Price forecasting benefits and its methods: Average method, moving average method, weighted average method, exponential smoothing. 	Lecture
12	Week 12	MID TERM EXAMS	-
13	Week 13	INTERNAL TEST/PRESENTATION	-
14	Week 14	Revision	-
15	Week 15	Revision	

Tentative Break-up of Internal Assessment

S. No.	Evaluation	Marks	Note
1	Internal test/ Individual Assessment	15	1. Marks allotted at each stage is tentative 2. New stages or categories of evaluation may be included if and when the need arises
2	Mid Term Exam	20	
3	Seminar Presentation	15	

Reference Books

1. Construction Engineering and Management, S Seetharaman
2. Construction Project Management, Chitkara K.K
3. Construction Planning & Management, UK Srivatsava
4. Project Planning and Control with PERT & CPM, Dr. B C Punmia, K K Khandelwal