

Course : **Project Management**
Course Code : **MGT307**
Credit House : **03**
Course Week : **16 - 18**
Total Hours : **48 - 54**
Semester : **06**

Week 1

Introduction:

- Project Defined
- Significance
- Quadruple Constraints
- Project Life Cycle
 - Initiation
 - Planning
 - Execution
 - Termination / Close out

Week 2

- Decision criteria under certainty
- Criteria for project selection models.
- Types of project selection models.
- Non-Numerical models.

Week 3, 4

- Pay back period (PBP)
- Net Present Value (NPV)
- Internal rate of return (IRR)
- Benefit cost ratio (BCR)

Week 5

Using Criteria's for choosing Projects

- PBP
- NPV
- IRR
- BCR

Week 6

Decision rules under uncertainty:

- Introduction
- The pay-off Matrix
- The Maximin & Minimax Principle

Week 7

- The Maximax & Minimin Principle
- The Hurwicz rule
- Numerical

Week 8

Work Breakdown Structure

- Introduction
- WBS
- Purpose
- Organizational Breakdown Structure (OBS)

Week 9

Network Analysis:

- Introduction
- Bar Charts
- GANTT Charts

Week 10, 11

Network Diagrams

- Activities, Events & Nodes
- Network Analysis
- CPM
- PERT

Week 12

Numerical Treatment

- Network Analysis
- CPM
- PERT

Week 13, 14

Budgeting and cost estimation

- Budget definition
- Estimating project budget
- Top-Down budgets
- Bottom-Up budgets
- Activity budgeting v/s program budgets

Week 15

- Project Control
- Definition of control
- The fundamental purpose of control
- Physical asset control
- Human Resource Contract

- Financial Resource control

Week 16

Assignment Presentation

Reference books:

1. Project management by Meredith Mantel (Fourth Edition)
PMBOK ® Guide, 4th Edition
2. The Project Management Life Cycle
By Jason Westland, 2006
3. Project Management By David I Cleland
4. The Little Black Books of Project Management by Micheal C Thomsell, 3rd Edition (American Management Association, AMA)