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)
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)