

SOFTWARE PROJECT MANAGEMENT

Sr. No	Chapter Details
1.	Project Management Framework <ul style="list-style-type: none">1.1 Overview of project Management1.2 Project Organization1.3 Planning a s/w project1.4 Project management life cycle1.5 Risk management<ul style="list-style-type: none">1.5.1 Identification of Risks1.5.2 Risk Analysis1.5.3 Risk Planning & Monitoring
2	S/w Project Estimation <ul style="list-style-type: none">2.1 Project Estimation2.2 Different methods of estimation (COCOMO Model, Delphi cost estimation etc.)2.3 Function point analysis
3.	Project Management Tools & Techniques <ul style="list-style-type: none">3.1 PERT & Gantt Charts3.2 Introduction to Microsoft Project
4.	S/W Team Management <ul style="list-style-type: none">4.1 Characteristics of Performance management4.2 High performance Directive and collaborative styles4.3 Team Structure4.4 Team Communication4.5 Managing customer expectations4.6 Group Behavior
5.	IT - Management <ul style="list-style-type: none">5.1 IT-Operations Management – Scheduling, roles and responsibilities Procedures, practices, standards etc. Performance Evaluation methods for Hardware, Software and Personnel.5.2 IT-HR Management – Selection, retention, raining, career path planning, various practices and controls necessary in HR Management.

6.	IT Management Functions – 6.1 Resource Management 6.2 Overview of various functions, 6.3 Requirements planning, sizing, benchmarking, documentation etc. 6.4 Software and Hardware Acquisition Plan and standards
7.	Configuration Management(CM) 7.1 CM planning 7.2 Change Management 7.3. Version and Release Management 7.4 Configuration Management Tools
8	Software Project Maintenance – 8.1 Types, steps, Resource planning and estimation, 8.2 Reengineering the software products 8.3 Documentation standards, Version Control 8.4 Software Configuration Management
9	Software Quality Management & Testing 9.1 Quality Assurance & Standards 9.2 Quality Planning 9.3 Quality control 9.4 Role of testing in Software development 9.5 Testing Procedure 9.6 Defect Management
10	Role of User in Projects 10.1 User role in project management 10.2 User role in various stages of S/W Development 10.3 User role in System implementation

Reference:

1. Software Project management By Edwin Bennatan
2. Software Engineering By Roger S. Pressman
3. Software Engineering concepts by Richard Fairley
4. Software Project Management by S.A. Kelkar
5. Software Engineering by IAN Sommerville
6. System Analysis and Design Methods By J.L Whitten , L.D.Bentley and K.C. Dittman
7. Introducing Software Testing by Louise Tamres
8. Software Testing in Real World by Edward Kit
9. *TQM for Computer Software* by Dunn and Ullma
10. *Management of Information Technology* by Pravin Mulay.