

UNIT I	PROJECT MANAGEMENT CONCEPTS	9
Evolution of Software Economics – Software Management Process Framework (Phases, Artifacts, Workflows, Checkpoints) – Software Management Disciplines (Planning / Project Organization and Responsibilities / Automation / Project Control) – Modern Project Profiles		
UNIT II	SOFTWARE ESTIMATION & COSTING	15
Problems in Software Estimation – Algorithmic Cost Estimation Process, Function Points, SLIM (Software Life cycle Management), COCOMO II (CONstructive COSt MOdel) – Estimating Web Application Development – Concepts of Finance, Activity Based Costing and Economic Value Added (EVA) – Balanced Score Card.		
UNIT III	RISK MANAGEMENT	15
Risk Definition – Risk Categories – Risk Assessment (Identification / Analysis / Prioritization) – Risk Control (Planning / Resolution / Monitoring) – Failure Mode and Effects Analysis (FMEA)		
UNIT IV	METRICS	15
Need for Software Metrics – Classification of Software Metrics: Product Metrics (Size Metrics, Complexity Metrics, Halstead’s Product Metrics, Quality Metrics), and Process metrics (Empirical Models, Statistical Models, Theory-based Models, Composite Models, and Reliability Models).		
UNIT V	PEOPLE MANAGEMENT	6
Team Management – Client Relationship Management.		

TOTAL= 45**REFERENCES:**

1. McConnell, S. “Software Project: Survival Guide”, Microsoft Press, 1998.
Royce, W. “Software Project management: A Unified Framework”, Addison-Wesley, 1998.
2. Cooper, R., “The Rise of Activity-Based Costing- PartOne: What is an Activity-Based Cost System?” Journal of Cost Management, Vol.2, No.2 (Summer 1988), pp.45 – 54.
3. Grant, J.L. “Foundations of Economic Value Added”, John Wiley & Sons, 1997.
4. Kaplan, R.S., Norton, D.P. “The Balanced Scorecard: Translating Strategy into Action”, Harvard Business School Press, 1996.
5. Boehm, B. W. "Software Risk Management: Principles and Practices" in IEEE Software, January 1991, pp32-41.
6. Fenton, N.E., and Pfleeger, S.L.. “Software Metrics: A Rigorous and Practical Approach, Revised” Brooks Cole, 1998.
7. Demarco, T. and Lister, T. “Peopleware: Productive Projects and Teams, 2nd Ed.”, Dorset House, 1999.