Core Course XXVI - Software Project Management

Unit I

Software Management Renaissance: Conventional Software Management-Evolution of Software Economics-Improving Software Economics-The Old Way and the New.

Unit II

A Software Management Project Management Process Framework: Life-Cycle Phases-Artifacts of the Process-Model-Based Software Architectures-Work Flows of the Process-Check Points of the Process.

Unit III

Software Management Disciplines: Iterative Process Planning-Project Organizations and Responsibilities-Process Automation.

Unit IV

Software Management Disciplines: Project Control and Process Instrumentation - Tailoring the Process.

Unit V

Risk Management: Introduction-Risk-Categories of risk-A framework for dealing with risk-Risk Identification-Risk assessment-Risk planning-Risk management-Evaluating risks to schedule-Applying the PERT technique-Monte Carlo simulation-Critical chain concepts.

Text Books:

1. Software Project Management, Walker Royce, Pearson Education, ISBN: 8177583786 Publishing Year: 2006
2. Software Project Management, Bob Hughes & Mike Cotterell, ISBN: 9780070619852 Pages: 384, Copyright Year: 2006
3. Software Project Management, Joel Henry, Pearson Education ISBN: 8131717925 Publishing Year: 2008

References:

1. Software Engineering, Roger S. Pressman, TMH Publications 2006 or later.Note: Books are available in Amazon.com and Flipcart.com besides the bookstore