

SARDAR PATEL UNIVERSITY
Programme: B.Sc (Information Technology)
Semester: VI
Syllabus with effect from: November - 2013

Paper Code: US06CINT04		Total Credit: 3
Title of Paper: Software Project Management		
Unit	Description in detail	Weightage (%)
I	Software Project Management, Proposal and Contacts. Process-Based Approach for Project Execution. Capability Maturity Model and their level. Assessment Method. Processes (Background, Process Architecture and Documentation, SEPG and Software Process, Improvement Planning, Senior Management Involvement, Process Life Cycle, Project Management process). Customer and Vendor Interaction. Proposal. Contract.	25%
II	Requirement Specification, Project Tailoring and Process Capability. Requirement Analysis and Specification. Requirement Change Management. Traceability Management Development Process. Process Tailoring. Software Metrics and Process Management. Process Database. Process Capability Baseline.	25%
III	Quality, Risk and Configuration Management Quality Management (Software Quality and Defects, Procedural Approach, Quantitative Approach). Quantitative Quality Management Planning. Introduction to Risk Management. Risk Assessment. Risk Control. Concepts in Configuration Management. Configuration management process. Document Control.	25%
IV	Review Process, Project Monitoring, Audits and Closure. Review Process. Data collection. Monitoring and control. Data Collection. Project Tracking. Audit Process. Audit Analysis. Project Closure Analysis. Archiving.	25%

Basic Text & Reference Books:

- CMM in Practice Processes for Executing Software Projects by Pankaj Jalote.

