

SOFTWARE PROJECT MANAGEMENT (PROGRAM ELECTIVE-V)			
Subject Code	18ITITP802G	IA Marks	30
Number of Lecture Hours/Week	3	Exam Marks	70
Total Number of Lecture Hours	50	Exam Hours	03
<b>Credits – 03</b>			
<b>Unit -1</b>			<b>Hours</b>
<b>Introduction</b> Project, Management, Software Project Management activities, Challenges in software projects, Stakeholders, Objectives & goals <b>Project Planning:</b> Step-wise planning, Project Scope, Project Products & deliverables, Project activities, Effort estimation, Infrastructure			<b>10</b>
<b>Unit -2</b>			
<b>Project Approach</b> -Lifecycle models, Choosing Technology, Prototyping Iterative & incremental Process Framework: Lifecycle phases, Process Artifacts, Process workflows			<b>08</b>
<b>Unit – 3</b>			
<b>Effort estimation &amp; activity Planning</b> Estimation techniques, Function Point analysis, SLOC, COCOMO, Use case-based estimation , Activity Identification Approaches, Network planning models, Critical path analysis			<b>10</b>
<b>Unit – 4</b>			
<b>Risk Management</b> Risk categories, Identification, Assessment, Planning and management, PERT technique, Software configuration management <b>Project Monitoring &amp; Control</b> Creating a framework for monitoring & control, Progress monitoring, Cost monitoring, Earned value Analysis, Defects Tracking, Issues			<b>12</b>
<b>Unit – 5</b>			
<b>Software Quality</b> Planning Quality, Defining Quality - ISO 9016, Quality Measures, Quantitative Quality Management Planning, Product Quality & Process Quality Metrics, Statistical Process Control Capability Maturity Model, Enhancing software Quality			<b>10</b>