

# GUJARAT UNIVERSITY

K. S. SCHOOL OF BUSINESS MANAGEMENT  
[Five Years' (Full-time) Integrated Degree Course]

## Semester-7 [M.Sc. (CA & IT)]

**Subject Code: - KS\_C\_CC-476**

**Subject Name: - Software Project Management & Testing**

**Course Credit: - 3**

### Objective:

The course is aimed to help the students understand and appreciate the importance of Software Project Management in the software development life cycle and understand how to manage a Software Project.

To understand the concept, process and importance of software project management.

To gain knowledge of some of the CASE tools useful in project management.

Unit No.	Course Content	Weight-age (%)
1	Process based approach for Project Execution, Capability Maturity Model for Software, Project Initiation, Proposals and Contracts, Requirement Specification and Management	(20%)
2	Process Definition and Tailoring, Process Database and Process Capability Baseline, Effort Estimation and Scheduling , COCOMO model, Quality Planning and Defect Estimation	(20%)
3	Risk Management, Project Management Plan, Configuration Management, Life Cycle Execution	(20%)
4	Peer Review, Project Monitoring and Control, Project Audits, Project Closure	(20%)
5	Introduction to CASE Tools :- MS Project, Visual Source Safe, MS Visio (UML Diagrams) and Mercury, Suite of Testing Tools, (selenium )	(20%)

**Recommended Lecture Scheme:** Approximately 40 to 45 hours in a semester

**Recommended Practical Scheme**Not Applicable

**Assignment:** Minimum five assignments should be given.

**Main Reference Books:**

1. Pankaj Jalote , “CMM in Practice “, Pearson Education.

**Reference Books:**

1. Software Engineering Roger S. Pressman, “Software Engineering – A Practitioner’s Approach”, 7th Edition, McGraw Hill Publications
2. Teresa Stover, “MS Office Project 2007 Inside Out”, PHI.
3. Mark Walker, “MS Office Visio 2007 Inside Out”, PHI.

**Suggested Additional Reading:**

1. Walker Royce, “Software Project Management A Unified Framework”, Pearson Education, First Impression.
2. Kathy Schwalbe, “Project Management in IT”, Cengage Learning, 2007. Second Indian Reprint, 2009