



Sub Committee for Curriculum Development

Course Name: Introduction to Software Projects

(UG/PG): UG

Number of Credits: 2

Level: 2

Learning Objective(s):

To learn the processes of software project management, configuration management, Software Quality Assurance with the help of case tools, case studies.

Pre-requisites: Software Engineering Concepts

Pedagogy: Case Study

Course Outline:

Sr. No.	Topics	Hrs
1	What is project? What is project Management The role of project Manager The project Management Profession	[02]
2	Project Management Overview Project Organization Project Communication and Documentation Project Management Life Cycle Risk Management Identification of Risks Risk Analysis Risk Planning and Monitoring	[05]
3	Change (Configuration) Management Change Management Plan Change Management Process Versioning and Version control Defect Management Release Management Process Configuration Management Tools	[05]
4	Software Quality Assurance Definition of Quality, QA, QC, SQA SQA Planning & Standards	[05]

	SQA Activities Building blocks of SQA Quality factors Software Quality Metrics Process Improvement- Process and Product Quality - CMM, Six Sigma	
5	CASE TOOLS Introduction to CASE tools, Types of CASE tools, Project Management Tools. Analysis tools, Design tools, Programming tools, Prototyping tools, Maintenance tools, Advantages and disadvantages of CASE TOOLS	[08]
6	Current trends in Software Engineering Software Engineering for projects & products, Introduction to Web Engineering and Agile process	[05]
	Total	[30]

Book Recommended:

1. Software Project Management Edwin Bennatan
Software Engineering Roger S. Pressman,
2. Software Project Management S. A. Kelkar, PHI Pub
3. Software Testing Techniques Boris Beizer, dreamTech pub, 2nd Ed
4. Software Engineering Sommerville, Pearson, 8th Ed

Suggested Evaluation Methods:

- Assignments
- Presentations
- Design Examples
- Examination
- Project Work

Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered

Name of Member	Prof Harshad Gune	Dr Anagha Vaidya	Prof Sachin Naik
Designation	Dy Director	Assistant Prof.	Assistant Prof.
Org. / Inst.	SICSR	SICSR	SICSR
Signature			

Name of the Expert:

Signature:

Date: