ITE316	Software Project Management	L	T	P	C
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Version	1.0
Aim	To understand the practices of software project management
Prerequisite	None
Objectives	To understand and apply project management methodologies in software development
Outcomes	The students would be able to understand and apply software development management

Unit 1	**Introduction**	9 hr
	Software Projects - Various Types of Projects - Problems With Software Projects - An Overview Of Project Planning - Project Evaluation - Project Analysis And Technical Planning - Software Estimation.	
Unit 2	**Activity Planning**	9 hr
	Activity Planning - Project Schedules - Sequencing And Scheduling Projects - Network Planning Model - Shortening Project Duration Identifying Critical Activities.	
Unit 3	**Risk Management**	9 hr
	Risk Management - Resource Allocation - Monitoring And Control - Managing People And Organizing Teams - Planning For Small Projects.	
Unit 4	**Software Configuration Management**	9 hr
	Software Configuration Management - Basic Functions - Responsibilities - Standards - Configuration Management - Prototyping Models Of Prototyping.	
Unit 5	**Software Maintenance**	9 hr
	Software Maintenance Characteristics - Maintenance Tasks - Maintenance Side Effects - Maintenance Issues - Source Code Metrics - Software Reliability - Definition Of Software Reliability - Concept Of Software Repair And Availability - Software Error And Faults - Estimating Number Of Bugs In Computer Program - Reliability Models - Availabilit Models	

Text Books	1. Mike Cotterell, Bob Hughes (2004), "Software Project Management - Inclination", Thomas, Computer Press 2.Darel Ince, H.Sharp and M.Woodman – "Introduction to Software Project Management and Quality Assurance", Tata McGraw Hill
Reference Books	1.Ramesh.Gopalaswamy - "Managing Global Projects", Tata MCGraw Hill, 2001 2.Humphrey, Watts - "Managing the software process", Addison Wesley - 1986 3.Pressman : "Software Engineering - A Practitioners Approach" - McGraw Hill - 1997 4.DeMarco and Lister - "Peopleware", PHI, 2004
MoE	CAT, Quiz, Seminar, Group Discussion, TEE
DoR by BoS	27-11-2010
DoA by AC	21st Academic Council held on 30-11-2010