

TE Computer (Sem 1) (2019 -20)

Software Engineering & Project Management (310243)

Th Lecture Per Week – 3

#0 Marks In Sem Exam

70 Marks End Sem Exam

CO – PO Mapping

CO1 - Decide on a process model for a developing a software project
CO2 - Classify software applications and Identify unique features of various domains
CO3 - Design test cases of a software system.
CO4 - Understand basics of IT Project management.
CO5 - Plan, schedule and execute a project considering the risk management
CO6 - Apply quality attributes in software development life cycle.

310243	Software Engineering and Project Management	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C303.1	Decide on a process model for a developing a software project		2								1				2	1
C303.2	Classify software applications and Identify unique features of various domains	2			2			1			1			1	2	
C303.3	Design test cases of a software system.			3						1					2	1
C303.4	Understand basics of IT Project management.	1			1							3	2	2	2	
C303.5	Plan, schedule and execute a project considering the risk management	1	2			2			2	3		2			2	2
C303.6	Apply quality attributes in software development life cycle.						2							1	2	
Average		1.33	2	3	1.5	2	2	1	2	2	2	2.5	2	1.33	2	1.33

PO	Justification
P01	Engineering Knowledge: knowledge of mathematics, science, engineering fundamentals is required to solve the problem in terms of software, along with, algorithmic analysis and mathematical modeling skills are required to solve the complex engineering problems.
P02	Problem Analysis: To analyze the problem by finding its domain and applying domain specific skills.
P03	Design/ Development of solutions: To understand the design issues of the product/software and develop effective solutions with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.
P04	Conduct Investigations of Complex problems: To find solutions of complex problems by conducting investigations applying suitable techniques.
P05	Modern Tool Usage: To adapt the usage of modern tools and recent software.
P06	The Engineer and Society: To contribute towards the society by understanding the impact of Engineering on global aspect.
P07	Environment and Sustainability: To understand environment issues and design a sustainable system.
P08	Ethics: To understand and follow professional ethics.
P09	Individual and Team Work: To function effectively as an individual and as member or leader in diverse teams and interdisciplinary settings.
P010	Communication: To demonstrate effective communication at various levels.
P011	Project Management and Finance: To apply the knowledge of Computer Engineering for development of projects, finance and management.
P012	Life-Long Learning: To keep in touch with current technologies and inculcate the practice of lifelong learning.

Course Teacher

Module Coordinator/PC

H.O.D.

Prof. D. R. Agrawal

Dr. M. R. Sanghavi