

Course: - MSC(CS)
Sub Code: 4MSC(CS)3 (B)

Semester: IV
Subject Name- Software Testing and Project Management

8329

21

Unit	Lectures	Practical's	Workshop	Demo	Field	Total	Remarks
UNIT-I Testing Basics And Development Models: Principals and Context of Testing In Software Production, Software Quality Control and its Relation With Testing, Validating And Verification, White Box Testing: White Box Testing - Static Testing, Structural Testing-Unit ,Code, Functional Testing, Code and Complexity Testing,.	8					8	
UNIT -II Black Box Testing- Positive and Negative Testing, Boundary Value Testing, Equivalence Partitioning, User Documentation Testing, Integration Testing: Introduction and types of Integration Testing, Scenario Testing, System and Acceptance Testing- Acceptance Testing.	8					8	
UNIT -III Performance Testing- Introduction, Factors Related too Performance Testing, Methodology For Performing Testing, Regression Testing, Overview Testing Tools: Win runner, Load runner, Test Director.	8					8	
UNIT -IV Software Project Management: Overview, Software Project Management Framework, Problems in Software Projects. Scope Management, Communication Techniques and Tools. Requirement Specifications, Resources types for a Software Projects.	8					8	
UNIT -V Software Project Estimation: Work Breakdown Structure (WBS), Steps in WBS, Measuring Efforts for a Project, Project Scheduling: Scheduling and its Need, Scheduling Basics, Gant Chart,	8					8	
T EXT & REFERENCE BOOKS: <ul style="list-style-type: none"> • <i>SOFTWARE TESTING: PRINCIPLES AND PRACTICE BY GOPALASWAMY AND SRINIUSAN, 81775812 LX. PUBLISHER, PEARSON EDUCATION INDIA. ISBN, 81775812 LX.</i> • <i>SOFTWARE TESTING T OOLS : COVERING WINRUNNER, SILK T EST, LOADRUNNER, J METER AND T ESTDIRECTOR WITH CASE BY DR. K. V.K.K. PRASAD, ISBN: 8177225324, WILEY DREAMTECH,</i> • <i>HTTP://WWW.COLUMBIA.EDU/ -JM221 7/</i> • <i>BASICS OF SOFTWARE PROJECT MANAGEMENT BY NIIT ,, PRENTICEHALL OFLNDIA,ISBN 81-203-2490-0</i> • <i>SOFTWARE PROJECT MANAGEMENT BY BOB HUGHES & MIKE COTTERELL, T ATA MCGRAW HILL, ISBN 0-07-061 985-9</i> 							