

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Computer Engineering

(Wireless Mobile Computing)

Semester: II

Subject Name: System Development Methodology

Subject Code: 725302

Course Content:

Software life cycle and various life cycle models, Project Management, Software: A Process Various Phases in s/w Development, Risk Analysis and Management, Software Quality Assurance

Introduction to Coding Standards, Software Project Management Testing Strategies and Tactics, Project Management and Introduction to Risk Management

Text Book:

1. Fundamental of Software Engineering by Rajib Mall/ PHI

References Books:

1. Ian Sommerville, Software Engineering, 7th Edition, Addison-Wesley
2. Grady Booch, James Rumbaugh, Ivar Jacobson, "Unified Modeling Language
3. Users Guide", 2nd Edition, Addison- Wesley
4. Jim Arlow, Ila Neustadt, "UML 2 and Unified Process: Practical Object Oriented Analysis and Design. ", 2nd Edition, Addison- Wesley
5. Tom Pender, "UML Bible", John Wiley & sons
6. Desikan, Ramesh, ' Software Testing: principles and Practices", Pearson
7. Burnstein, "Practical Software Testing", Springer International Edition
8. William E. Perry, " Effective Methods for Software Testing", Wiley
9. Stephen H. Kan, "Metrics and Models in Software Quality Engineering", Pearson