

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Computer Engineering (IT Systems and Network Security) Semester: II

Subject Name: **Software Engineering (Elective III & IV- Group 2)**
Subject Code: **725108**

Course Content:

The software engineering discipline-Evolution and Impact, Programs Vs Software Products, Software Life Cycle Model, Software project management, Software reliability and Quality Management, An Agile View of Process Software Engineering Practice, CMM levels, Requirements Engineering, Design Concept, Architectural Design Project Management, Modeling Component-Level Design, User Interface & Pattern Based Design Testing Strategies, Metrics for Process and Project, Project Scheduling, Quality Management

Text Book:

1. Software Engineering: A Practitioner's Approach by Roger S. Pressman, Mcgraw-hill

Reference Book:

1. Software Engineering by Ian Sommerville, Pearson