

Software Engineering & TQM

Code: MCA401

CREDITS: 4

Introduction to Software Engineering, Software life cycles - different models, Software Project Management.

Structured system design, Cost Estimation-COCOMO, Data Oriented Analysis and Design.

Object Oriented Analysis & Design, development methodologies- Computer Aided Software Engineering (CASE) tool, Object Oriented modelling.

Software quality assurance, Software testing techniques and strategies, test planning, reporting and bug fixing, Test automation, regression testing.

Software maintenance, Software Complexity & Reliability.