

Course Description

Project Management Approach to Software Quality AMS176

14 Professional Development Units
14 Education Hours

Overview

This course was built to address the opportunity to improve software efforts of all types in a project management framework. We provide a short overview of quality, identify quality strategies effective for software and general technology, and dive into areas that practitioners can address to greatly improve software quality via planning, process and tactical execution.

This course is for those involved in leading technology projects of any type and especially software projects. It introduces concepts related to several forms of quality techniques, many of which are in common with TQM, Six Sigma and other quality approaches. You will be introduced to the concepts of software project quality from the perspective of managing the project rather than as a detailed software quality manual for individual contributors. Learn how to achieve quality results in your software projects by leading your team to focus on the customer and what they need to be successful. Project management techniques discussed here are key success factors for efforts where quality has low to medium focus and serve as an introduction to those efforts where quality is a key concern, such as space missions and defense technology.

Learning Objectives

- Learn the technology quality overview topics and how they may relate to your projects
- Understand the customer-centered mindset necessary to achieve your goals
- Learn the quality cycle and how it can be implemented in a matrixed and decentralized organization
- Learn how traditional quality tools can be applied throughout the software project life cycle to enhance productivity and participation
- Learn how to produce consistent, predictable project processes to improve what the customer sees and feels
- Practice software quality techniques to generate templates and partial deliverables that can be used as the kernel of your software quality efforts

Format

This course is highly interactive and adaptive to class interests and needs. A lecture/discussion approach is used and is accompanied by individual and team exercises with team reports.

Duration

Two days

Who Should Attend

Anyone who is involved in leading software projects of any type would benefit by taking this course.

