Professional Diploma in Software Quality Management

Introduction

This course provides a professional foundation in the field of Software Quality Management. It is a fundamental program for the professionals of every Software House or those working in Software/IT Departments. They will develop capabilities to manage quality and productivity in their departments with a much broader vision and skills of software quality than just software inspection and/or testing. In order to ensure international compatibility of the course material, the body of knowledge is compatible to the Certified Software Quality Engineer (CSQE) of the American Society for Quality (ASQ), which provides the most up-to-date popular certificates for Software Quality Professionals.

Learning Outcome

1. To develop software professionals who understand quality in detail and are capable of taking on the challenges of ensuring excellent quality in software products.
2. To create the core capabilities to implement software quality management tools.
3. To provide a professional credential to Software Professionals.

Course Contents

Module 1: Introduction to Software Quality Management (Course Introduction, TQM Philosophies & Tools)
Module 2: Software Process (Software Requirement Management, Software Requirement Specifications (SRS))
Module 3: Software Testing, Verification & Validation (Basic Concepts, Test Planning, Test Procedures, Test Products (IEEE829), Software Automated Testing)
Module 4: Software Metrics & Measurement
Module 5: Capability Maturity Model Integration CMMI (Introduction to CMMI, CMMI Level 2+3, Implementation & Assessment)
Module 6: Statistical Quality Control Tools
Module 7: ISO 9001 & Software Audits
Module 8: Program & Project Management
Module 9: Management & Leadership

Three months professional diploma program for Software Quality Assurance Managers and all those professionals interested in the field of Software Quality Assurance

Fee
Rs. 41,000/ per participant

Date
Aug 23, 2015

Venue
PIQC Training Centre Lahore
Leading Institute in Pakistan providing professional education, certifications, training and corporate development in Quality Control (QC), Quality Assurance (QA) and Total Quality Management (TQM), Human Resource Management (HRM) and Health, Safety and Environment (HSE). Celebrating the 23rd year of its establishment, PIQC’s vision is for Pakistan to be a hallmark of Quality in the national and global environment. With its leadership and team of specialists, it has provided corporate training and education to more than 40,000 students, managers and professionals. It is the pioneer and most authentic source for international Six Sigma and Lean training programs in Pakistan, including Six Sigma Yellow Belt, Six Sigma Green Belt and Six Sigma Black Belt.

PIQC has professional collaborations and linkages with various local and foreign organizations including Superior University, Hamdard University, NED University of Engineering and Technology, IQCS Certification, Singapore Quality Institute International (SQII), American Society for Quality (ASQ), and Quality and Productively Society of Pakistan (QPSP).