

Quality Management Fundamentals

Course Fee:

Duration: 5 Business Days

Locations: Houston/Katy, TX USA, or Worldwide sites

Instructor: Mohan Sharma, MBA, MTech, BE

Overview of the Course

This course helps participants identify which quality standards are relevant to which program, product and services, determine how to satisfy them, and verify that the program deliverables are of acceptable quality. Participants will also learn the benefits of planning, developing and implementing a systematic Quality Management Program, including considerations for ensuring that a good project quality is in place.

Participants who take this course and successfully pass the PSG's exam will receive a certificate of "Certified Quality Manager", and every participant who attends the entire course will receive a Certificate of Participation.

What You Will Learn?

By the end of this course, participants will be able to:

- Understand basic operation of each of the key quality assurance function as they relate to the risk and criticality of the business
- Understand the basic concepts of technology behind Quality Assurance and Quality Control
- Distinguish between Quality Management, Quality Control, Quality Assurance and effect of each element on continual improvement
- Use practical steps and processes to assess criticality, develop quality plan associated risks and manage project quality
- Engage each involved functional owner in a manner that helps them genuinely take control of their assigned quality control function
- Evaluate, identify and develop criticality based Quality Management Plan, Quality Control Plan, Quality Assurance Plan and Inspection & Test Plans

The Course Content

DAY - ONE

Module-1: Introduction to Quality Assurance

- Learning Objectives:
- Participant Text
- Quiz
- Application Sheet

Module-2: QA Program Development and Organization

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

DAY - TWO

Module-3: Design Assurance

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

Module-4: Procurement Control

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

DAY – THREE

Module-5: Fabrication and Manufacturing Control

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

Module-6: Control of Special Processes

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

DAY-FOUR

Module-7: Control of Measuring and Test Equipment

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

Module-8: Measuring the Cost of Quality

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

Module-9: Inspection Quality Control

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

DAY-FIVE

Module-10: QA Auditing

- Learning Objectives
- Participant Text
- Quiz
- Application Sheet

Who Should Attend This Course

This course has been designed for a wide range of professionals, including:

- Project Directors; Project Engineers; Project Quality Managers; Discipline Leads Engineers; Other Project Management Team members
- Operations Managers, Superintendents and Production Engineers
- Students at all levels or Faculty from reputable academic and/or technical institutions.
- Executives, engineers and researchers from government, service and manufacturing/producing organizations including R&D laboratories.

About the Trainer

Mohan Sharma, founder of Prima Strategic Group, has over 26 years' experience in senior management positions including Global Quality Assurance Team Manager and Regional Quality Manager for Major Capital Projects at Chevron

USA. On these roles, Mohan developed and effectively implemented Quality Management systems globally on several Major Capital Projects (>US\$1Billion) in Africa, Latin America and Asia Pacific Regions during various development phases, with differentiated and

sustainable solutions, and got recognition for saving multi-million dollars. He has performed numerous Evaluation, Assessments, Audits and Reviews (>100) on multiple complex issues related to Quality, Safety, Environment, Organizational Capabilities, Vendor Evaluations and Materials and provided differentiated Strategies and Processes to improve vendor performances. Prior to Chevron and for about 17 years, Mohan worked with various multinational organizations including KBR as Global Quality Director, Jindal Group as General Manager-Operations, Lloyds Register, ABS Consulting, SGS, Birla Group, etc. in various positions of increasing responsibilities where he developed and implemented differentiated strategies to improve the business execution efficiencies.

Mohan holds Executive MBA degree from University of Houston, TX, USA, a Master of Technology (M Tech.) in Energy Studies from Indian Institute of Technology, Delhi, India and Bachelor of Engineering (BE) in Mechanical from National Institute of Technology, India. He was elected and served as Monogram Board Member of American Petroleum Institute (API) from 2011-2014 and currently serves on several API, NACE and ISO committees.

Mohan is also a Senior Associate at Eftex Energy Services, LLC nested in Katy, the west part of Houston, Texas and can be contacted at info@eftexenergyservices.com and +1 (281) 247 0374.



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