

مَعْلَمَاتُ الصُّورِ لِلتَّائِمِ بِالْحَدِيثِ
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DEVELOPMENT INSTITUTE FOR SCIENCE CENTER



Since 1987

Certified QA/QC Engineer

QA/QC in General

QA/QC in Civil Engineering

QA/QC in Mechanical

QA/QC in E and I

QA/QC in Inspector Piping

QA/QC in Piping



Course Description

Quality Assurance and Quality Control is applicable in construction, production and servicing industries. Civil, Electrical, Electronics, Mechanical, Instrumentation, production, automobile and even other branches also has QA/QC programs according to their requirement. Qualified and experienced persons are working in quality control department.

KHDA UAE Ministry



ROYAL INSTITUTE
FOR CHARTERED ENGINEERS

Certification Issued By

COURSE OUTLINE:

QA/QC IN GENERAL COURSE PARTS

- Module 1 Introduction to Quality Control & Inspection
- Module 2 International Codes and Standards
- Module 3 Quality Management Engineering
- Module 4 General Industrial Health and Safety
- Module 5 Maintenance Inspections
- Module 6 Project Management
- Module 7 Quality Documentation and Reporting

QA/QC IN CIVIL COURSE PARTS

- Module 1 Roles and Responsibilities of QA / QC Engineer – Civil
- Module 2 Introduction to ISO 9001 . ISO 9004 , ISO 14000. ISO 19011
- Module 3 International Codes and Standards
- Module 4 Drawings and Abbreviations
- Module 5 Excavation and Backfilling
- Module 6 Construction of Asphalt Concrete paving
- Module 7 Concreting Works
- Module 8 Pre Stressed Concrete – Bridge Girders
- Module 9 Concrete Trial Mix Test, Concrete Compressive Strength Test ,
■ Compaction (Density) Test etc.
- Module 10 Receiving Inspection , In process Inspection & Final Inspection
- Module 11 Control of Nonconforming of Items / Products
- Module 12 Calibration of Monitoring & Measuring Equipment
- Module 13 Project Quality Plan
- Module 14 Preparation of Inspection Test Plans – ITPs
- Module 15 Preparation of QC Procedures

QA/QC IN E AND I COURSE PARTS

- Module 1 Roles and Responsibilities of QA / QC Engineer – E & I
- Module 2 Introduction to ISO 9001 . ISO 9004 , ISO 14000. ISO 19011
- Module 3 International Codes and Standards
- Module 4 Instrument Symbols
- Module 5 Types of Instruments
- Module 6 Types of Control Valves
- Module 7 Process Flow Diagram (PFD) Piping and Instrument Diagram (P & ID)
and Isometric Drawing etc.
- Module 8 Control Loops and Control Systems
- Module 9 Instrument Installation and Testing
- Module 10 Receiving Inspection , In process Inspection & Final Inspection

QA/QC IN E AND I COURSE PARTS

- Module 11 Control of Nonconforming of Items / Products
- Module 12 Calibration of Monitoring & Measuring Equipment
- Module 13 Preparation of Project Quality Plan
- Module 14 Preparation of Inspection Test Plans – ITPs
- Module 15 Preparation of QC Procedures (QCP)

QA/QC IN MECHANICAL COURSE PARTS

- Module 1 Roles and Responsibilities of QA / QC Engineer Mechanical
- Module 2 Introduction to ISO 9001 . ISO 9004 , ISO 14000. ISO 19011
- Module 3 Interpretations of Quality Management Systems ISO 2008 : 9001
- Module 4 International Codes and Standards
- Module 5 Standard Material Specifications
- Module 6 Overview of Type of Equipment
- Module 7 QA / QC Requirements of Jobs / Projects
- Module 8 Receiving Inspection , In process Inspection & Final Inspection
- Module 9 Control of Nonconforming of Items / Products
- Module 10 Calibration of Monitoring & Measuring Equipment
- Module 11 Welding and NDT Requirements
- Module 12 Preparation of Project Quality Plan
- Module 13 Preparation of Inspection Test Plans – ITPs for Different Disciplines
- Module 14 Preparation of QC Procedures for Different Disciplines
- Module 15 Pressure Testing and Control of QA / QC Documents

QA/QC IN INSPETOR PIPING COURSE PARTS

- Module 1 Course introduction
- Module 2 Roles & responsibilities of QA/ QC Inspector Piping
- Module 3 Classification of pipes
- Module 4 Piping materials and material receiving inspection
- Module 5 International codes and standards
- Module 6 Process Flow Diagram PFD , PI & D , Isometric Drawings
- Module 7 Preparation of inspection test plan (ITP's)
- Module 8 Preparation of quality control procedures
- Module 9 Implementation of QA/QC system
- Module 10 Welding & NDT methods
- Module 11 Fabrication / Erection of Piping
- Module 12 Calibration of instrument / equipment
- Module 13 Control of Non Conforming items / Produits
- Module 14 Preparation of hydro test package
- Module 15 Final QA/QC dossier / documentation for piping

Certification Issued By:

Knowledge of Human Development Authority (KHDA UAE Ministry)

Royal Institute for Chartered Engineers (RICE - USA) or widely known as RICE is one of the world's largest engineering institutions in the world. Located in Texas, USA it was established by professional engineers came who believed that being an engineer doesn't stop after you graduated and labeled as one of the top people who earn a good income but believed that engineers need to continue seeking for higher qualifications for a much better life, network and opportunities.

MEMBERSHIP BENEFITS:

High Authority Council for Arab Engineers (HACAE)

TARGET PARTICIPANTS:

QA/QC engineers

Inspection Engineers

Auditors

Owner representatives



DISC

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