Certified Quality Engineering Management

4 Months Weekend Based Professional Diploma in Quality Engineering Management

Quality Managers and Engineers working in the industry and Defense Organizations
Certified Quality Engineering Management

Introduction
Quality Engineering is an emerging field in industry & engineering firms. The Diploma Provides the knowledge and skill sets as a foundation for engineers working in chemical, electrical, mechanical, civil, instrument or other disciplines. This program is compatible with the Body of knowledge of Certified Quality Engineer of the (ASQ). Quality Engineer is a Professional who understands relevant standards and practices of designing, developing and improving Quality and Standards in products, Processes and Services. The course development and operation of quality control and assurance system, analysis of testing and inspection procedures, the ability to use metrology and statistical methods to diagnose and correct improper quality control practices, an understanding of human factors.

Learning Outcomes
Upon successful completion of this program, the participants will be able to:
1. Understand and use Quality Assurance Tools and Frameworks in organizations, industries or universities.
2. Re-conceptualize, through critical analysis, their current roles, responsibilities and approaches in industrial and Service set ups as a Quality Engineer.
3. Carry out practical projects of Standardization, Quality Improvement, or Re-engineering to display the practical application of the technical knowledge

Course Contents
Module 1: Quality Leadership Principles
Module 2: Quality System Standards
Module 3: Quality in Product Designing
Module 4: Metrology & Testing
Module 5: Statistical Product and Process Control
Module 6: Quantitative Techniques for Product and Process Analysis and Improvement
Module 7: TQM

Valuable For
Quality Managers and Engineers working in the industry and Defense Organizations
PIQC - Center for Excellence

Leading Institute in Pakistan providing academic programs, professional diplomas & certifications, short courses 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 25th year of its establishment, PIQC vision is to see Pakistan a hallmark of Quality in the national and global environments. With its leadership and team of specialists, it has provided academic education and professional courses to more than 40,000 students and professionals. It is the pioneer and most authentic source for running International Six Sigma and Lean Manufacturing programs, including Six Sigma Yellow Belt, Six Sigma Green Belt and Six Sigma Black Belt in Pakistan.

PIQC has professional collaborations and linkages with various local and foreign organizations including Hamdard University, Superior 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)

**Degree Programs**
- Masters & MPhil in: Quality Management
- Human Resource Management
- Industrial Management
- EHS Management

**Professional Diploma**
- PIQC Diplomas/Certifications in Quality Management
- Project Management
- Health Care
- Quality Management
- HSE Management
- HRM Management
- Supply Chain Management
- Labor Laws and IR Management

**International Certifications**
- Internationally Recognized Certifications
- IRCA (UK) Accredited Certified ISO 9000 Lead Auditor
- Certified Six Sigma Green Belt & Black Belt

**Corporate Courses**
- Nation-wise seminars & workshops on Total Quality Management, Six Sigma, ISO 9000
- Quality Assurance in Manufacturing, Services, Education, Banks and Healthcare, Total Productive Maintenance

**International Conventions**
- Pakistan’s 14th International Convention on Quality Improvement
- ICQI 2014
  - Nov 14-15 Lahore
  - Theme Quality Standards & Tools

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