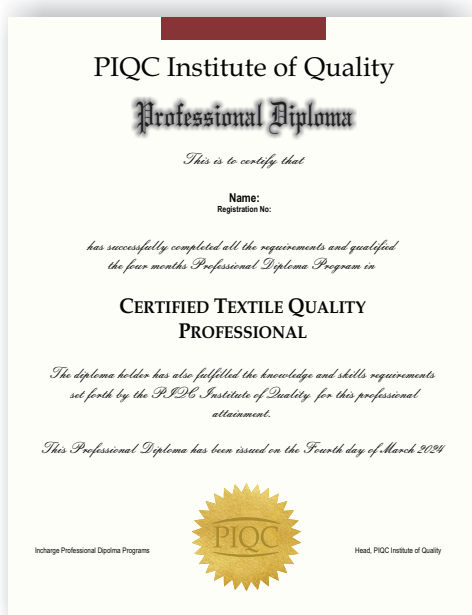




Leading the Modern  
Quality Movement in Pakistan

# Certified Textile Quality Professional

Four Months weekend based live and instructor led online course  
Two evening per week classes from 6:30 - 9:30 pm



Quality Assurance / QC Managers,  
Compliance and Audit Professionals,  
Production and Operations Managers, Textile  
Engineers and Supervisors, Supply Chain &  
Vendor Management Professionals,  
Professionals aspiring to QA leadership roles,

**Certified Textile Quality  
PROFESSIONAL**



# Certified Textile Quality Professional

## Introduction

### Is Quality Holding Back Your Career — or Your Factory?

Every year, shipments are rejected, audits fail, and promotions are missed — not for lack of dedication, but for lack of a structured quality framework built for the realities of the textile industry. The CTQP changes that. In 4 months — two evenings a week — you will gain the systems thinking, compliance expertise, lean skills, and data fluency that make you the quality professional every buyer, auditor, and factory needs.

## Who Should Attend?

- Quality Assurance / QC Managers
- Compliance and Audit Professionals
- Production and Operations Managers
- Textile Engineers and Supervisors
- Supply Chain & Vendor Management Professionals
- Professionals aspiring to QA leadership roles

## Industries Covered

- Spinning, Weaving & Knitting
- Dyeing, Finishing, Garments & Denim
- Home Textiles, Technical & Industrial
- Buying Houses & Export-Oriented Units

## Assessment & Certification

- Assignments (application-based tasks)
- Module-wise quizzes
- Final comprehensive examination

*Certificate awarded upon successful completion.*

## Key Benefits

### For Individual Professionals

- Practical understanding of quality and compliance systems
- Capability to handle audits and buyer requirements
- Enhanced skills in process improvement and analytics
- Career advancement in textile and apparel sector

### For Your Organization

- Improved product quality and reduced defects
- Stronger compliance with international buyers
- Enhanced process efficiency and control
- Capability to implement continuous improvement systems

## Course Modules

10 comprehensive modules covering the full quality management spectrum

### 1. Fundamentals of Quality Management

Strategic quality thinking · QC vs QA vs CQI · KPIs & performance measurement · Output vs outcome

### 2. Textile Manufacturing Processes

Value chain · Ginning, spinning, weaving, knitting · Dyeing, finishing, garments, denim · Quality risk mapping

### 3. Laboratory Quality Management

ISO/IEC 17025 · Calibration & metrology · Test result interpretation · Internal vs external testing

### 4. QMS, Compliance & Buyer Requirements

ISO 9001 & CAPA · Nike & Adidas systems · BSCI, Sedex/SMETA · RSL, MRSL, ZDHC, OEKO-TEX, REACH, GRS

### 5. Lean Management & Continuous Improvement

Value Stream Mapping · Six Sigma · 5S & Kaizen · Quality Control Circles (QCC) · TPM

### 6. Internal Quality Auditing

ISO 19011 · Audit planning & execution · Audit reporting · Value-added auditing practices

### 7. Sustainability & ESG

ISO 14001 · ZDHC chemical compliance · Circular economy in textiles · Buyer ESG expectations

### 8. Supply Chain Quality

Supplier quality assurance · Vendor audits & evaluation · Traceability in textile supply chains

### 9. Data & Analytics

Statistical analysis · SPC in textile production · SPC charts & histograms · Correlation & regression

### 10. Advanced Topics: Digital & AI

Digital transformation & KPI dashboards · AI in quality management · Software applications in QMS

## Teaching Methodology

- Live online interactive sessions
- Practical assignments and group exercises
- Real compliance and audit scenario discussions
- Industry-relevant case studies
- Expert faculty from the textile industry
- Application-focused learning approach



# Certified Textile Quality Professional

## Faculty

### Industry Practitioners

Textile industry professionals with hands-on experience across spinning, weaving, dyeing, garments, and compliance – not just academics.

### Certified Quality & Audit Experts

Certified QMS experts and lead auditors with practical exposure to ISO 9001, ISO 19011, and multi-buyer compliance environments.

### Management Consultants

Consultants with track records in lean deployment, sustainability, and digital transformation in textile manufacturing.

## What You Will Be Able to Do

Measurable competencies gained upon completion of the program

- Apply QC, QA, and CQI within any textile operation
- Identify quality risks across all manufacturing sectors
- Implement and manage ISO 9001 quality systems
- Handle multi-buyer compliance: Nike, Adidas, BSCI, Sedex
- Conduct internal audits using ISO 19011
- Apply lean tools: 5S, Kaizen, VSM, Six Sigma, TPM
- Use SPC and statistical tools for process control
- Develop and interpret KPI dashboards
- Understand AI and digital quality management systems
- Lead quality improvement and team performance discussions



## Session Schedule

1. Key Quality Concepts, Systemic Thinking, Output vs Outcome
2. KPIs, Performance Measurement & QC vs QA vs CQI
3. Ginning & Spinning – Process Flow and Quality Risks
4. Weaving & Knitting – Process & Defects
5. Dyeing, Finishing & Garments – Quality Risks
6. ISO/IEC 17025 in Textile Quality
7. Calibration and Metrology
8. ISO 9001 – Process Approach
9. ISO 9001 – Risk Management & CAPA
10. Global Buyer Technical Compliance Systems – I (Nike & Adidas)
11. Global Buyer Technical Compliance Systems – II (Nike & Adidas)
12. Textile Product Safety & Compliance – I (RSL, MRSL, ZDHC, OEKO-TEX)
13. Textile Product Safety & Compliance – II (REACH, GRS & Best Practices)
14. Fundamentals of Lean Management in Textile Industry
15. Value Stream Mapping (VSM)
16. Six Sigma Fundamentals
17. 5S and Kaizen Application
18. Total Productive Maintenance (TPM)
19. ISO 19011 Principles of Auditing
20. Audit Planning & Execution
21. Audit Reporting and Follow-up
22. ISO 14001 – Environmental Management Systems
23. ZDHC Overview and Chemical Compliance
24. Circular Economy in Textiles
25. Buyer Sustainability Requirements & ESG Reporting
26. Supplier Quality Assurance
27. Vendor Audits and Evaluation
28. Statistical Analysis in Textile Quality
29. Statistical Process Control (SPC) in Textile Production
30. Digital Transformation & KPI Dashboards
31. AI & Software Applications in Quality Management



## PIQC - Center for Excellence

Leading Institute in Pakistan providing academic programs, professional diplomas and 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 32nd 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 50,000 students and professionals. It is the pioneer and authentic training resource in the field of Quality Management.

PIQC is registered as Professional Engineering Body (PEB) in Pakistan Engineering Council (HEC) and has professional collaborations and linkages with various local and foreign organizations including NUST College of EME, NED University of Engineering and Technology, Dow University of Health Sciences, Superior University, IQCS Certification, Singapore Quality Institute International (SQII), and Quality and Productivity Society of Pakistan (QPSP).

### Professional Diploma

PIQC Diplomas/  
Certifications in  
Quality Management  
Project Management  
Health Care  
Quality Management  
Logistics Management  
HR Management  
Supply Chain  
Management  
Labor Laws & IR  
DfS Management  
Quality  
Mgt. in Education

### International Certifications

Internationally  
Recognized  
Certifications  
  
IRCA (UK)  
Accredited  
Certified ISO 9000  
Lead Auditor  
  
Certified  
Lean 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 and  
Healthcare, Total  
Productive  
Maintenance

### International Conventions

PIQC has organized  
13 International  
Conventions  
on Quality  
Improvement  
and  
5 National  
Conferences on  
Quality Education  
in Pakistan  
since 1991



## PIQC INSTITUTE OF QUALITY

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