1.   Course Title: Certified Quality Technician (V1)

The objective of the Certified Quality Technician course is to equip the Quality Technician with the Body of Knowledge and competencies to perform the scope of work of a Quality Technician.

2.   Program Objectives:
–   Provides technicians, technical and other professionals with practical knowledge of on quality processes, principles, and tools;
–   Utilizes combination of lecture, discussions and case studies to enhance the overall learning experience; and
–   Provides real-life, problem solving, goal-oriented approach to developing quality knowledge and skills.

3.   Program Outlines:

Day 1-5 (3 hours/evening)

I   Quality concepts and tools

I.A   Quality concepts (3 hour)

I.B   Quality Tools (6 hour)

I.C   Team Functions (6 hour)

Day 6-11 (3 hours/evening)

II.   Statistical Techniques

II.A   General concepts (3 hours)

II.B   Calculations (9 hours)

II.C   Control Charts (6 hours)

Day 12-16 (3 hours/evening)

III.   Metrology and calibration

III.A   Measurement and test equipment (M&TE) (9 hours)

III.B   Calibration (6 hours)

Day 17-22 (3 hours/evening)

IV.   Inspection and Test

IV.A   Blueprint Reading and Interpretation (6 hours)

IV.B   Inspection concepts (3 hours)

IV.C   Inspection techniques and processes (3 hours)

IV.D   Sampling (6 hours)

Day 23-24 (3 hours/evening)

V.   Quality audits

V.A   Audit types (1 hour)

V.B   Audit Components (2 hours)

V.C   Tools and techniques (3 hours)

Day 25-26 (3 hours/evening)

VI   Preventive and corrective action

VI.A   Preventive action (2 hours)

VI.B   Corrective action (1 hour)

VI.C   Nonconforming material (3 hours)

4.   **Program Requirement:**

Participants to bring own Scientific Calculators

5.   **Who should attend:**
This course is intended for engineers and technical professionals from a variety of educational backgrounds (with minimum engineering diploma).

Subject matter is applicable to design, validation, reliability, manufacturing, production, and quality professionals, and managers with responsibility for these functions.

6. **Schedule**

Duration	**Option A: 3 hr/evening x 2 evening/week for 13 weeks**
	78 hours
	6pm to 9pm
	26 Evenings
	Over duration 4 months & 1 week
	2 weeks break
	Followed by 4 hours exam
	Option B: 6 hr/weekend for 13 weekends
	78 hours
	9am to 4pm
	1 Weekend/week
	Over duration 13 weeks
	2 weeks break
	Followed by 4 hours exam
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