

CERTIFIED CORE TOOLS PRACTITIONER CERTIFICATION

As per International Standards



UNICHROME

Unichrone Training **Advantages**

- ✓ 3 Day Interactive Instructor –led Online Classroom or Group Training
- ✓ Course study materials designed by subject matter experts
- ✓ Copy of courses content provided
- ✓ Highly qualified, expert & accredited trainers with vast experience
- ✓ Globally recognized Course Completion Certificate
- ✓ Mock Tests to prepare in the best way
- ✓ Enrich with Industry best practices and Real-Life Examples
- ✓ End-to-end support via phone, mail, and chat
- ✓ Convenient Weekday/Weekend Core Tools Training Course schedule



Importance of Certified Core Tools Practitioner Training

- ✓ Core Tools or Automotive Quality Core Tools are an integral part of an effective quality management system (QMS). Developed by AIAG (Automotive Industry Action Group) with collaboration from the domestic automotive and manufacturing industries, the Five Core Tools became the standard for quality control in the world. These core tools support the IATF 16949 standards of QMS. APQP (Advanced Product Quality Planning), PPAP (Product Part Approval Process), FMEA (Failure Mode and Effect Analysis), SPC (Statistical Process Control), and MSA (Measurement Systems Analysis) are the five automotive quality core tools. Organizations around the world ensure that these standards are sufficed using these core tools and deliver high-quality products to their customers.

About Unichrone

✓ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

We've trained professionals across global companies



AkerSolutions



ELIGIBILITY CRITERIA

- ✓ There are no pre-requisites for enrolling for our Core Tools Training

WHO SHOULD ATTEND

- ✓ Quality Assurance Engineers, Production Personnel, ATF Internal or Second Party Auditors, Design Engineers, Supply Chain Personnel, Process Engineers and any such individuals can take up Certified Core Tools Practitioner Training.

Certified Core Tools Practitioner Certification Advantages



CERTIFIES
YOUR TALENT



HELPS
BUILDING
VALUES



GLOBAL
RECOGNITION



BUILDS
CUSTOMER
LOYALTY



PERFECT
EXECUTION



MORE
EMPLOYABILITY
OPTIONS

Syllabus of Certified Core Tools Practitioner Training

Lesson 01 – Advanced Product Quality Planning (APQP)

1.	Product Quality Planning Cycle
2.	Fundamentals of Product Quality Planning
3.	Phases of APQP <ul style="list-style-type: none"> · Phase 1 – Plan & Define program · Phase 2 – Product Design & Development · Phase 3 – Process Design & Development · Phase 4 – Product & Process Validation · Phase 5 – Feedback, Assessment & Corrective action
4.	Inputs & outputs of each phase
5.	Production Part Approval Process (PPAP)
	<ul style="list-style-type: none"> · Introduction of PPAP & Purpose · Significant production run · Requirements for part approval · Situations when, · PPAP validation, customer notification & · Submission required. · PPAP submission levels

Lesson 02 – New Harmonized AIAG VDA FMEA

1.	FMEA Concept for understanding
2.	FMEA Team Formation and Management Commitment, Scope of FMEA
3.	New 7 Step Approach in FMEA
4.	FMEA requirement in IATF 16949:2016
5.	Understanding of Severity, Occurrence & Detection Rankings
6.	Action Priority & Risk Optimization (AP table)
7.	Risk Documentation
8.	Process FMEA Example & Design FMEA Example

Syllabus of Certified Core Tools Practitioner Training

Lesson 03 – Measurement System Analysis (MSA)

1.	Basic concepts & definitions
2.	MSA Requirement in IATF 16949:2016
3.	Statistical properties of Measurement systems
4.	Preparation for a Measurement Study
5.	Bias Study
6.	Linearity Study
7.	Stability Study
8.	Gauge Repeatability & Reproducibility Study
9.	Attribute MSA – Kappa Method

Lesson 04 – Statistical Process Control (SPC)

1.	Basic Definitions
2.	Process Control, Common & Special Cause
3.	Process Control & Process Capability
4.	Process Improvement Cycle
5.	Effective use & benefit of control chart
6.	SPC Requirement in IATF 16949
7.	Basics, Elements and Mechanics of Control Charts
8.	Elements and mechanics of control charts
9.	Variable control charts
10.	Attribute control charts
11.	Process Capability Improvement

Format of Certified Core Tools Practitioner Exam

Examination Format	
Exam Name	Core Tools Practitioner Certification
Exam Format	Multiple Choice
Total Questions & Duration	50 Questions, 75 minutes
Passing Score	60%.
Exam Cost	Included in the training fee

To get you fully prepared with the knowledge and skills for the Certified Core Tools Practitioner examination, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by Certified Core Tools Practitioner faculty, the practice tests are a true simulation of the Certified Core Tools Practitioner examination

Contact Us

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