

Online Certification Programme IATF 16949 Core Tools (APQP, PPAP, MSA, SPC & FMEA)

October 4th, 6th, 8th, 11th & 13th, 2021

Programme Content & Schedule

Date	Topic	Time
4 th Oct.	APQP (Advanced Product Quality Planning)	
	<ul style="list-style-type: none">○ Meaning & definition of APQP○ APQPs relation with PDCA cycle.○ Voice of customer & its incorporation in to APQP.○ The goal of product quality planning.○ Steps of APQP○ How to develop a better 'timing plan'.○ Contents of APQP.○ A short video clip on APQP	10.00 AM – 12.30 PM
6 th Oct.	PPAP (Product Part Approval Process)	
	<ul style="list-style-type: none">○ Meaning of PPAP○ Purpose of PPAP○ A list of PPAP package elements○ When PPAP is required.○ PPAP submission requirements 'Levels'○ What could be the non-compliances of PPAP?○ Sequence of control Plan in a PPAP bunch of documents.○ A short video clip on PPAP	10.00 AM – 12.30 PM
8 th Oct.	MSA (Measurement Systems Analysis)	
	<ul style="list-style-type: none">○ Meaning of MSA○ What is measurement?○ What is Measurement system○ Why MSA is done.○ Difference between gauge & instrument.○ Main 4 constituents of MSA.○ Cause & effect diagram for Measurement system variability.○ Sources of variation.○ Pre-requisites for MSA.○ A short video clip on MSA	10.00 AM – 12.30 PM
11 th Oct.	SPC (Statistical Process Control)	
	<ul style="list-style-type: none">○ Meaning of SPC○ What is SPC & why it is required.○ Variations in a process.○ Why variations occur & types of variations.○ List of causes for chance causes & special causes of variation.○ What is standard deviation & process capability○ Difference between process capability & process performance.○ Process capability index & process performance index.○ A short video clip on SPC	10.00 AM – 12.30 PM

13th Oct.	FMEA (Failure Mode and Effects Analysis)	
	<ul style="list-style-type: none">○ Meaning of FMEA○ Types of FMEA○ Why FMEA is required.○ How FMEA is done & why it is a live document.○ FMEA format.○ Severity, Occurrence & Detection and RPN no.○ S x O x D, 'Rating table'.○ Sequence of FMEA in a PPAP bunch of documents.○ A short video clip on FMEA	10.00 AM – 12.30 PM