

# Advanced SPC (Statistical Process Control)



SSS # 96/00 Dt. 20-06-2021

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2	Ppk studies will generally use Range method for computing the Standard deviation of the observations	
3	Box plot analysis is based on Median statistics	
4	To understand the pattern based on the Shape, Histogram needs Tolerance range	
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6	Confidence Interval means the Linear distance, in a typical Gaussian distribution	

Scroll below  for answers

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Sripadhmam Sunday Supersixers

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#	Course name	Video runtime	Course fee (Rs.)
1	Control Plan Methodology	1 hr 40 mins	1,200
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3	Analytical Tools for Improvements Stage 1	4 hrs 20 mins	<b>FREE</b>
4	Analytical Tools for Improvements Stage 2	4 hrs 50 mins	1,500
5	Problem Solving Methodology	7 hrs	1,950
6	SPC	14 hrs	799
7	Global 8D	14 hrs	799
8	Process & Machine Capability Studies	5 hrs	1,950
9	APQP & PPAP	14 hrs	799

- + 30 days access for every course
- + e-book & workbook will be given for long term usage
- + Self Assessment test & Final Qualification test
- + e-Certificate

Course contents



1	<p>Control Plan methodology as per IATF 16949:2016</p> <p>(1 hour 40 mins video duration)</p>	<p>Fundamentals</p> <p>Preparation of Control Plan</p> <p>Types of Processes</p> <p>How to construct control plan ?</p>
2	<p>QMS ISO 9001:2015 Stage 1</p> <p>- a base for IATF 16949:2016</p> <p>(6 hours video duration)</p>	<p>Fundamentals</p> <p>What is ISO ?</p> <p>Seven Management principles</p> <p>Process approach &amp; PDCA cycle</p> <p>Certification &amp; Documentation over view</p> <p>Clauses overview</p> <p>Link between ISO 9001 &amp; IATF 16949</p> <p>ISO 9001:2008 Vs ISO 9001:2015</p>
3	<p>Analytical Tools for Improvements Stage 1</p> <p>- 7QC &amp; New 7QC Tools</p> <p>(4 hours 20 mins video duration)</p>	<p>Base 1</p> <p>Base 2</p> <p>Check sheet</p> <p>Pareto Diagram</p> <p>Stratification</p> <p>Flow Charts</p> <p>Affinity Diagram</p> <p>Relation Diagram</p>
4	<p>Analytical Tools for Improvements Stage 2</p> <p>- 7QC &amp; New 7QC Tools</p> <p>(4 hours 50 mins video duration)</p>	<p>Histogram</p> <p>Normality test</p> <p>Box plot</p> <p>History of New 7 QC tools</p> <p>Tree diagram</p> <p>Matrix diagram</p> <p>Matrix Data Analysis</p> <p>Likert scale methodology</p>

5	<p>Problem Solving Methodology (7 hours video duration)</p>	<p>Basics Fundamentals Tools &amp; Techniques used A deep dive on 12 step approach A case study 8D methodology Introduction to DMAIC Good PSM practises</p>
6	<p>Statistical Process Control (14 hours video duration)</p>	<p>Statistics &amp; link to Engineering Types of Data Concepts of Variation Histogram &amp; Types Z Scale &amp; area under normal curve Initial Process Study (Ppk) Process &amp; Machine Capability Homogenization Cpk study &amp; Non-normal distribution Types of control charts</p>
7	<p>Global 8D PSM (8 hours 45 mins video duration)</p>	<p>Introduction to 8D PSP Origin of 8D approach Customer Focused PDCA cycle Linkage of 8D to ISO &amp; IATF Standards Advantages &amp; Challenges in 8D Each D and the activities in each D P Cat &amp; R Cat approaches Types of Root-causes Implementation of Remedial actions Statistical tools related to each D 5 Why – A deep dive Handling the Side-effects Standardization : Ways and means</p>

8	<p>Process &amp; Machine Capability Studies</p> <p>(5 hours video duration)</p>	<p>Introduction  Origin of Statistics  Fundamentals  Concept of variation &amp; stability of Process  Significance of Sigma factor  Six sigma &amp; Process capability  Z scale methodology  Ppk study &amp; Machine capability</p>
9	<p>APQP &amp; PPAP</p> <p>(14 hours video duration)</p>	<p>Origin of APQP  Basic concepts &amp; Principles  Linkages to IATF 16949:2016  Techniques of APQP process  Phase 4 of APQP : Linkage to PPAP  Successful PPAP through structured APQP Process  Five Phases of APQP – with exercises  Control plan - Creation &amp; management  PPAP – How to interpret &amp; Implement ?  Situations Analysis on PPAP</p>

To enroll , Please contact us



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