

Systematic Planning, Decision Making & Problem Solving Tools



SSS # 89/00 Dt. 21-03-2021

#	Statement	True or False
1	Quality function deployment was developed first time by Ford motors	
2	Brain Storming shall be done in 3 different methods	
3	Pugh Matrix is also called as Problem Matrix	
4	Matrix Diagram (MD) will not deal with any numbers generally	
5	"Critical Paths" is arrived as part of arrow diagram	
6	IATF 16949, Clause 10 deals with Risk based thinking	

Scroll below



for answers

Systematic Planning, Decision Making & Problem Solving Tools - **Answers**

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List of YouTube Video Courses

#	Course name	Video runtime	Course fee (Rs.)
1	Control Plan Methodology	1 hr 40 mins	1,200
2	QMS ISO 9001:2015 Stage 1	6 hrs	1,500
3	Analytical Tools for Improvements Stage 1	4 hrs 20 mins	FREE
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 

<p>1</p>	<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>
<p>2</p>	<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 & PDCA cycle</p> <p>Certification & Documentation over view</p> <p>Clauses overview</p> <p>Link between ISO 9001 & IATF 16949</p> <p>ISO 9001:2008 Vs ISO 9001:2015</p>
<p>3</p>	<p>Analytical Tools for Improvements Stage 1</p> <p>- 7QC & 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>
<p>4</p>	<p>Analytical Tools for Improvements Stage 2</p> <p>- 7QC & 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 & 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 & link to Engineering Types of Data Concepts of Variation Histogram & Types Z Scale & area under normal curve Initial Process Study (Ppk) Process & Machine Capability Homogenization Cpk study & 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 & IATF Standards Advantages & Challenges in 8D Each D and the activities in each D P Cat & 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 & Machine Capability Studies</p> <p>(5 hours video duration)</p>	<p>Introduction Origin of Statistics Fundamentals Concept of variation & stability of Process Significance of Sigma factor Six sigma & Process capability Z scale methodology Ppk study & Machine capability</p>
9	<p>APQP & PPAP</p> <p>(14 hours video duration)</p>	<p>Origin of APQP Basic concepts & 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 & management PPAP – How to interpret & Implement ? Situations Analysis on PPAP</p>

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