

Online Training Program on Statistical Process Control (SPC) & Measurement System Analysis (MSA)

Date : 9th & 10th Sept 2021; Time: 9:30 AM to 5:30 PM

Course Features

Based on AIAG – SPC Manual, Second Edition, 2005. Covers the fundamental of statistical process control, estimation of defect rate, control charts and out of control condition with example and exercises. MSA includes variable and attribute and analysis when MSA results are not achieved

Course Objectives

Make the participants aware about the basics of statistical process control, with topics around standard deviation, normal distribution, Z-curve, control chart, as prescribed by AIAG, Second Edition 2005 and out of control condition. Understand the fundamentals of MSA and method for conducting variable and attribute MSA. Avoid common mistakes while conducting MSA and be competitive to analyse when GR&R is not achieved.

Who should attend?

People from departments like design, production, quality, process engineering, supplier development etc.

Course Contents

SPC

- ♣ Introduction to statistical Process Control
- ♣ Concept of sigma
- ♣ Six Sigma improvement process
- ♣ Precision and accuracy
- ♣ Concept of variation
- ♣ Mean Median and Mode
- ♣ Histogram
- ♣ Standard Deviation for population and sample
- ♣ Z – Curve and estimation of defect rate
- ♣ Calculation of Cp and Cpk
- ♣ X-bar, R Chart
- ♣ Evaluation of control limits
- ♣ Plotting control chart
- ♣ Out of control condition

MSA

- ♣ Introduction to measurement System Analysis
- ♣ Accuracy and Precision
- ♣ Sources of variability and uncertainty
- ♣ Concept of number of distinct data category (NDC)
- ♣ Bias, linearity, stability, repeatability, and reproducibility
- ♣ Sample collection for variable MSA
- ♣ Conducting MSA for variable
- ♣ GR&R and NDC
- ♣ X bar and R chart for variable MSA
- ♣ Analysis when %GR&R fails to meet target
- ♣ Analysing attribute MSA
- ♣ Sample Collection for attribute
- ♣ Evaluation of effectiveness, miss rate and false alarm
- ♣ Evaluation of kappa



Issue of Certificate

Certificate of attendance shall be issued to all the delegates attending entire duration of the course.

Duration : 8 Hours including 1 hour break each day

Registration Fee : Rs. 2,000 + 18 % GST Per Participant

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To Register and Pay : [Click Here](#)

Registered & Head Office-

801, Raheja Plaza I, LBS Marg, Ghatkopar (W), Mumbai 400 086

Email: trainingindia@tuv-nord.com Tel: +91-22-66477000

Website: www.tuv-nord.com/in

Toll Free: 1800-209-0902

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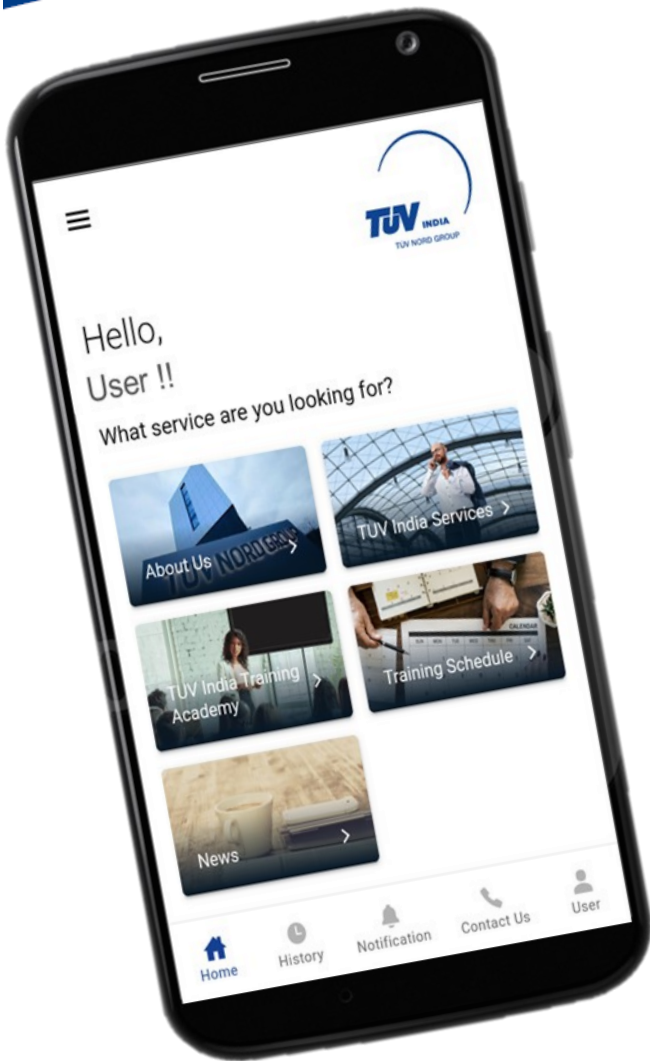


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TUV INDIA TRAINING ACADEMY (TITA)



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Some of the highlights of our app are:

- Available on Android- Google Play Store & iOS Apple Store
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Call : 1800-209-0902



Registered & Head Office :
801, Raheja Plaza I, LBS Marg, Ghatkopar (W), Mumbai - 400086
Tel: +91-22-66477000 / 25007000 / 05 | Email : infoindia@tuv-nord.com