Manufacturing Technology Training
An IMTMA initiative

Measurement System Analysis (MSA)
Date : 7 to 8 January, 2027
Venue : IMTMA Technology Centre, Gurugram

Last date for registration 31 December 2026

INTRODUCTION

The purpose of this course is to create awareness of importance and application of MSA. This course will help to prevent measurement errors. The course additionally also helps to understand the necessary and the unnecessary use of MSA in shop floor so as to get maximum benefits out of this technique

Type 1 and Type 2 errors of measurement system can lead to huge consumer and producer risk despite a good manufacturing process . Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing a 2 day interactive programme on **Measurement System Analysis ‘ MSA’.**

The programme will focus on various elements of MSA proven well in automotive industries which can be applied in non- automotive industries as well. The Trainer shares his rich global experience in the domain and will be more interactive so that the delegates can get back with clarity on action plan which they can implement from the next day.

Group exercises and discussions carried out during the programme, will enable the delegates to relate and discuss the current challenges they are facing.

FOCUS AREAS

- Objective of MSA
- Discrimination and Sensitivity
- Types of Error
- Bias
- Linearity (conceptual only)
- Stability (conceptual only)
- MSA for variable data (EV, AV, PV, GR&R, NDC etc)
- MSA for attribute data
- Signal detection method
- Risk Analysis
- Acceptable MSA outcome both for variable and attribute data
- Q&A

KEY TAKE AWAYS

- Deep understanding of AIAG MSA
- Reducing type -1 and type – 2 errors because of measurement
- Making measurement process and system strong
- Reduction of failures and problems at customer end due to measurement issues

PARTICIPATION FEE

Rs. 4999/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ IMTMA Non Members/ Others

Rs. 2500/-
+18% GST
Professors

Rs. 999/-
+18% GST
Student

USD 200/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

Individuals from the area of manufacturing, operations, quality, field quality and product/ process engineering.

Relevant companies:

- Auto OEMs (SIAM)
- Auto ancillaries (ACMA)
- Die casting units (ALUCAST) Pump manufacturers (IPMA) Aerospace manufacturers (SIATI)
- Defence & Railway Establishment (PSUs / OFBs) General Engineering (IEEMA / AIEMA)
- Other Capital goods manufacturing industries (ICEMA / AMMA-India / PPMAI)

FACULTY

This programme will be conducted by, IMTMA Subject Matter Expert.

He is a mechanical engineer and carries about 34+ years of rich experience. He has been awarded as one of the "Most Talented Training & Development Leaders" by "World HRD Congress and CHRO Asia in year 2017.

He is an acclaimed professional corporate trainer, consultant, advisor, motivator, creative thinker and life coach. Before coming into this field he has worked for Eicher Tractors for 10 long years & for Motherson Sumi System Limited for around 3 years. For some time, he was also on the panel of CII Confederation of Indian Industries (CII).

He has trained, advised and counselled 5000+ professionals, students and people in general. His extensive experience in handling and grooming diversified audiences such as children, students, families, workers, workers union, junior, middle, senior and executive / leadership level professional lends a very practical orientation to his session. He believes in a practical approach with focus on fundamental building.

He is a versatile trainer who has conducted soft skill programs such as Leadership, IPR, Team Building, Train the Trainer, Creativity, Campus to Corporate etc and also the technical programs such as ISO 9001, lean manufacturing, Kaizen, 5-S, Quality Circle, War on waste, Value Engineering, SPC, MSA, FMEA, Systematic Problem Solving, DOE (Shanin Techniques), TRIZ etc. He is the author of the book, ‘Structured Problem Solving.

He has facilitated culture building, change management, resolution management-workmen conflicts, productivity, quality & service improvements, quality system developments, waste reduction and employee moral boosting in different organizations.

For Registration Contact

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on ‘First Come First Serve’ basis. A Certificate of participation will be issued to participants.
Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.