Manufacturing Technology Training
An IMTMA initiative

How to become an effective FMEA Practitioner as per combined AIAG & VDA Version
Date : 3 to 4 September, 2025
Venue : Indian Machine Tool Manufacturers Association, Chennai

INTRODUCTION

In today's competitive market environment, the industry has realized the fact that servicing unreliable products is a very costly proposition. To a large extent, reliability is built into the product during the design and development phase. Failure Mode & Effects Analysis (FMEA) is an essential ingredient of reliability engineering and is a very powerful and effective technique used for improvement in the methodology used for design, assembly, materials engineering, servicing etc., for a diverse range of products and processes. FMEA can be effectively applied in case of new developments, new technologies and components/assemblies or products which have inherent problems to anticipate & prevent problems showing up in practice during the product lifecycle by an approach using methodical thinking and validation of concepts. FMEA is an aid for continuous improvement which fits into a PDCA (Plan-Do-Check-Act) pattern of activity. Whenever continuous Improvement and problem solving is envisaged or effected, FMEA is redone to evaluate their effects

Learn to execute Design FMEA according to the new AIAG &VDA Handbook by achieving a deeper understanding of the explicit and subtle changes, along with the high impact benefits that will bring your organization's FMEA to the next level of robustness.

Keeping this is view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing a 2 day interactive programme on **"How to become an effective FMEA Practitioner as per combined AIAG & VDA Version"**

FOCUS AREAS

- Introduction to FMEA Concepts and to new AIAG & VDA Hand book for FMEA
- Reliability
- Failure analysis vs FMEA
- Cause & Effects Analysis
- FMEA Methodology
- Design FMEA – Examples & Case Studies and changes as per AIAG &VDA handbook
- Process FMEA – Examples & Case Studies and changes as per AIAG &VDA handbook
- Group Exercises (Participants will be divided into groups and each group will prepare and study an example of FMEA)
- Developments & Benefits of FMEA
- Using FMEA for Risk assessment
- Machinery FMEA

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to

- Overview of the major changes, improvements and benefits of the AIAG & VAD Handbook for FMEA
- Concept of FMEA as a risk management and preventive quality assurance technique
- How to carry out Design FMEA and Process FMEA in industries
- Practical implementation of FMEA through Group Excercises & hints Concepts of Machinery FMEA

PARTICIPATION FEE

Rs. 10450/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 415/-
Overseas Participants

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

PARTICIPANT PROFILE

This programme will benefit practicing engineers and senior technical personnel involved in the functions of Design and Development, Process Planning, Product Engineering, Application engineering, Quality Assurance, R&D, Manufacturing, Servicing etc., and other related areas from Machine Tool, Automobile & auto ancillaries, Tool rooms, Defense and Railway establishments, General Engineering and other Capital goods manufacturing industries.

In order that the participation is effective and beneficial, it is recommended that participating companies depute a multi-disciplinary team of 2 or 3 people from the above functions. Participants should have knowledge of related products and processes.

FACULTY

The program shall be delivered by **Mr. Naveen GS.**

Mr. Naveen GS is an Instrumentation Engineer, and an MBA in Operations Management with 26+ years' of work experience in Automotive Industries, Vocational Skills, Industrial Engineering and Certification services. Expert in managing Profitability, Delivery, Operations, Quality Management Systems, Product Quality, Supplier Quality.

Apart from having a strong background in Delivery and Quality Management Systems, Naveen also comes with an extensive experience in areas like Quality Assurance in Strategic Sourcing and Supply Chain Management, Information Systems, Product development and Operations.

Naveen has extensive work and travel experience across India. He has also worked out of Sweden and Finland and has undertaken work related travel to United Kingdom, Malaysia and Srilanka. Naveen was the Head of Sales, Delivery, Quality, Operations and Training in multiple organizations including MNCs and reputed Indian companies. He has worked as "Management Representative" in multiple organisations and has the experience of putting in place robust management systems for meeting the international standard requirements and the continuously demanding industry needs. Having been responsible for P&L for many years, he is able to explain financial linkages to operational challenges. Having implemented and leveraged various systems across industries, Naveen is an expert in APQP, PPAP, ISO 9001, ISO 14001, AS 9100, TS 16949, Warranty Complaints, Audits, Skills Assessment, CMMI Level 5, GDPR, DPO, Six Sigma and Various Quality tools.

Currently Naveen GS is working as Director Training in Indian Machine Tools Manufacturing Association. Before his association with IMTMA, Naveen was associated with organizations such as VDO India, Mahindra & Mahindra (Tractor Division), Dynamatic Technologies, Wipro Infrastructure Engineering (A division of WIPRO Ltd.), Manipal – City & Guilds and TUV Nord India.

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.