

Last date for registration 03 June 2025

INTRODUCTION

We often read about numerous high-profile examples of product recalls. Such recalls happen due to poorly designed products and / processes. These failures are discussed with manufacturers, service providers and suppliers and are being depicted as incapable of providing a safe product. Failure Mode and Effects Analysis, or FMEA, is a methodology aimed at allowing organizations to anticipate failure during the design / manufacturing stage by identifying all of the possible failures in a design or manufacturing process.

FMEA is not a substitute for good engineering. Rather, it enhances good engineering by applying the knowledge and experience of a Cross Functional Team (CFT) to review the design progress of a product or process by assessing its risk of failure. Historically, the sooner a failure is discovered, the less it will cost. If a failure is discovered late in product development or launch, the impact is exponentially more devastating. FMEA is one of many tools used to discover failure at its earliest possible point in product or process design.

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

FOCUS AREAS

- Introduction to FMEA Concepts as per new AIAG & VDA Hand book for FMEA
- Benefits of FMEA
- Purpose of revision of FMEA manual
- Brief on revision details?
- New Framework
- When to adopt new methodology? Transition Strategy.
- Seven step methodology for Process Failure Mode and Effect Analysis
- Planning & Preparation
- Structure Analysis
- Function Analysis
- Failure Analysis
- Risk Analysis
- Optimisation
- Result Documentation
- PFMEA & DFMEA Linkage to Control Plan
- Cause & Effects Analysis
- Design FMEA – Example & Case Study and changes as per AIAG & VDA handbook
- Process FMEA – Example & Case Study and changes as per AIAG & VDA handbook

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to

- Overview of the major changes, improvements and benefits of the AIAG & VDA 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
 - How to carry out Process FMEA in industries
 - Linkage between PFMEA and DFMEA
 - New Format for PFMEA and DFMEA
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- "FMEA : A live document. How to use FMEA everyday for problem solving."

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, Defence 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 Sri Lanka. 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.