

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**" on **15 -16 July 2020**.

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 Frame work
- 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

FEE PER PARTICIPANT (PER LOGIN)

Rs. 3500/-
+18% GST

IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

FACULTY

This programme will be addressed by **Mr. Nandkumar Walve**, B.E.(Mech.), 1984 VJTI, Mumbai University. He is an industry expert with over 30 years of experience in Automotive industry & Construction Equipment industry. He has worked in various functions such as Process Engineering, Quality System Design, Quality planning and Field Quality. He is a trainer in Manufacturing Systems & Tools such as New Product Development, APQP, PPAP, FMEA and GD&T. He is a mentor for Process improvement projects taken for Yellow, Green, Black Belt certification. He has worked as MR (Management Representative) to maintain Quality Management System (QMS) as per ISO 9001-2015 standard. Currently he is working as Freelance Consultant for Training, Audits and Process improvement Projects at Tier1 and Tier2 suppliers of OEM.

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