

## 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 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 an online programme PFMEA - Process Failure Mode and Effects Analysis on 30th May 2020.

## FOCUS AREAS

- Introduction to FMEA Concepts as per new AIAG & VDA Hand book for 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
- Linkage to Control Plan

## KEY TAKE AWAYS

After undergoing the programme, the participants will be able to

1. Overview of the major changes, improvements and benefits of the AIAG & VAD
2. Handbook for FMEA
3. Concept of PFMEA as a process risk management and preventive quality assurance technique
4. How to carry out Process FMEA in industries
5. Linkage to DFMEA
6. New Format for PFMEA

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 12000/-**

+18% GST

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

**USD 480/-**

**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 15% for 6 and more delegates being nominated from the same company**

## FACULTY

This programme will be conducted by **Mr. M. C. Ramakrishnan, Former Vice President - Quality, Bosch Limited.**

**Mr. Ramakrishnan** is an industry expert with over 40 years of experience in the field of quality tools like Six Sigma, SPC, MSA, Poka - Yoke etc. He is a trained ISO 9001 and TS 16949 auditor, trained six sigma black belt as well as an FMEA moderator. He has championed a number of Quality Improvement projects at Bosch. He was associated with Bosch's campaign and pursuit for 5S, Poka Yoke, SPC, MSA & TPM initiatives

### For Registration Contact

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