Manufacturing Technology Training
An IMTMA initiative

Core Tools of Quality - APQP,FMEA,MSA,SPC,PPAP
Date : 24 to 28 May, 2021
Time : 0940 Hrs to 1300 Hrs (Online Mode)

INTRODUCTION

In the highly competitive environments of Automotive / Manufacturing, most organizations are challenged with several simultaneous and equally complex goals such as:

1. Provide high quality products meeting or exceeding customer expectations

2. Produce sustainable volume

3. Deliver on time

4. Ensure costs are under control and be profitable

Such goals demand that you raise your competence and knowledge in Quality Management techniques and establish your credibility to manage challenges with predictable assurance. For this, it is important to get an understanding of how the Core tools of quality work, learn the common language that connects all the tools and learn effective use of all the Core Tools of quality.

Keeping this in mind, IMTMA has planned a 5 day program aimed at covering the 5 Core tools of quality.

FOCUS AREAS

This program covers the important aspects of Core tools of quality. Following are the focus areas of the program:

- Advanced Product Quality Planning (APQP) to define a process that creates a roadmap for developing new products complete with time-based milestones and decision points along the way.
- Failure Mode and Effects Analysis (FMEA), a core tool that uncovers potential failure modes, assesses the risk those failure modes and establishes action priorities to mitigate the highest priority risks.
- Measurement System Analysis (MSA), a critical core tool, assures that the measurements you are taking are accurate.
- Statistical Process Control (SPC) gives operators a tool to monitor stable processes and to identify when the process is going out of control due to special causes so that problems can be addressed before product quality is affected.
- Production Part Approval Process (PPAP) provides a formal, standardized framework for customer-supplier communications regarding the specification and quality requirements for products, parts and materials.

KEY TAKE AWAYS

- Gain a basic understanding of the Core Tools used in New Product Development as well as for ongoing process control for existing products.
- Conduct basic SPC & MSA studies and interpret results.
- Focus on New product Development Assurance through APQP and PPAP
- Understand the importance and necessity of APQP & PPAP to meet customer requirements
- Focus on the use of Process Management to achieve standardization and improvement using Process Flow
- Take part in FMEA reviews in your organization and contribute in CFT meetings
- Add value in Production/Manufacturing Services through effective implementation of the core tools
- Participate in FMEA discussions

FEE PER PARTICIPANT (PER LOGIN)

Rs. 10000/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 300/-
Overseas Participants

Group Concession : 20% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

This course is ideal for those who are responsible for product development, operations management, quality control, and engineering including department managers, supervisors, quality representatives, engineers and administrative staff who have a focus on business improvement, performance and profitability.

FACULTY

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

Mr. M. C. 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 in Bosch's campaign and pursuit for 5S, Poka Yoke, SPC, MSA & TPM initiatives.

For Registration Contact

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REGISTRATION : Prior registration with an online advance payment is must. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.