

INTRODUCTION

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

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
5. To ensure all legal requirements are met.

Such goals demand that you raise your competence and knowledge in Quality Management techniques and establish your credibility to manage challenges with predictable assurance.

The Quality Core Tools are the building blocks of an effective quality management system. 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.

Organizations whose employees have mastered the Core Tool processes can assure their customers that the industry's most qualified individuals are working on their behalf and that IATF 16949 and applicable quality reference manual requirements will be met without fail.

Keeping this in view, IMTMA is organising this program covering the 5 Core tools of quality.

***Note: Participants may consider either of the following options to register:**

Option 1: Entire module of 34 Hrs duration (14 -15, 21-22-23, 28-29-30 Dec. 2021 & 4-5, 6 Jan 2022. [Click here](#) to register

Option 2: Individual Modules of Core tools:-

Module 1: **Advanced Product Quality Planning (APQP) & PPAP (14,15 Dec 2021& 6 January 2022)**, [Click here to register](#)

Module 2: **Failure Mode and Effects Analysis (FMEA) (21-22-23 Dec. 2021)**, [Click here](#) to register

Module 3: **Measurement System Analysis (MSA) (28-29-30 Dec. 2021)**, [Click here](#) to register

Module 4: **Statistical Process Control (SPC) (4-5 Jan. 2022)**, [Click here](#) to register

FOCUS AREAS

This program covers the important aspects of the following Core tools of quality:

- **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 enables identifying potential failure modes, assesses the risk of those failure modes and establishes action priorities to mitigate the highest priority risks.
- **Measurement System Analysis (MSA)**, a critical core tool, guides you in the selection of appropriate measurement equipment in order to meet product quality requirements.
- **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 supplier-customer communications regarding the specification and quality requirements for products, parts and materials.

[Click here](#) to download a detailed brochure and content of the programme

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.
- 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 to CFT meetings
- Conduct basic SPC & MSA studies and interpret results.
- Participate in FMEA discussions
- Add value in Production/Manufacturing Services through effective implementation of the core tools

FEE PER PARTICIPANT (PER LOGIN)

Rs. 22000/-

+18% GST

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

USD 880/-

Overseas Participants

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 Gautam Doshi**, Advisor, IMTMA.

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 with Bosch's campaign and pursuit for 5S, Poka Yoke, SPC, MSA & TPM initiatives.

Mr Gautam Doshi is a B.Tech. (Mech) from IIT, Powai and an industry expert with over 45 years of experience in Machine Tool and Automotive industry. He has conducted several training programmes, seminars & workshops on machine tool related subjects. He is a consultant to reputed companies in the area of Productivity and Quality improvement and an Adviser to many companies manufacturing automotive components and Dies & Moulds. Mr Doshi is former Vice President & Technical Director, PMT Machine Tool Automatics Ltd., Pune and has also served in Tata Motors for over 5 years. He is the author of several IMTMA publications such as 'First Time CNC', Guidelines on Process Capability to name a few.

For Registration Contact

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