Manufacturing Technology Training
An IMTMA initiative

Fundamentals of Advanced Product Quality Planning (APQP) and Implementation of the Production Part Approval Process (PPAP)
Date : 3 to 5 December, 2025
Time : 1340 Hrs to 1700 Hrs (Online Mode)

INTRODUCTION

New Product Development assumes lot of significance and has become very much essential for sustaining business growth of industries. However often many costly mistakes and time delays happen in the new development of Products / Parts as well as processes.

APQP mitigates such risks by following a systematic approach & upfront actions to ensure first time right from the beginning. All OEMs now mandate the use of APQP as this system helps in the development of products/processes faster well in time, defect-free, and within budget.

PPAP is part of the APQP process and documents a series of agreements between the supplier and customer to ensure timely development and consistent quality supplies as per customer requirements. It is the successful culmination of the APQP process wherein Customer approval is obtained for going into mass production of a new product, or after product or process change.

Keeping this in view, Indian Machine Tool Manufacturers' Association along with Hosur Industries Association is organizing a training program on **Fundamentals of Advanced Product Quality Planning (APQP) & Production Part Approval Process (PPAP).**

This program will help in achieving **"First Time Right"** development of parts resulting in consistent Quality, saving in time and cost as well as enhanced customer satisfaction.

FOCUS AREAS

Advanced Product Quality Planning (APQP) to define a process that creates a roadmap for developing new products complete with timebased milestones and decision points along the way.

- Fundamentals of APQP
- PDCA cycle in APQP
- Plan and Define Program (Phase 1)
- Product Design and Development (Phase 2)
- Process Design and Development (Phase 3)
- Product and Process Validation (Phase 4)
- Feedback, Assessment & Corrective Action (Phase 5)
- Control Plan Methodology
- Assignment on preparing APQP document

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.
- Overview of PPAP
- Importance of PPAP & when to do?
- PPAP requirement details
- Levels of submission & Customer approval

KEY TAKE AWAYS

At the end of this program, the participants shall be able to:

- Good understanding of the APQP & PPAP structured methodology which is more process-oriented versus "check the box"
- Insights into metrics at each phase of new product development
- Understanding key inputs and deliverables at each stage of the APQP system
- Eliminate mistakes, reduce development time & costs thus achieving better customer satisfaction
- Good understanding of PPAP implementation for systematic validation of parts & process
- How to ensure ongoing consistent Quality of supplies by using PPAP Methodology
    - Preventing unapproved products from the production line reaching the customer

FEE PER PARTICIPANT (PER LOGIN)

Rs. 3999/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 200/-
Overseas Participants

Group Concession : 10% 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 program 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

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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.