



**Last date for registration 14 January 2027**

## INTRODUCTION

Critical, complex problems arising every day from cross-functional disciplines in the work environment can wreak havoc and affect your bottom-line big time if the root cause is not identified quickly and correctly. The problems usually persist and recur periodically failing any preventive actions or due to limitations in problem solving approach of the untrained individual. We often see departments passing the buck across the hallway to get the monkey off their back.

TOPS-8D (Team Oriented Problem Solving methodology) is a highly structured, problem solving tool perpetuated by FORD and is used by effective managers across the world in problems pertaining to Product/Process Quality as well as non-technical - Management / Marketing zones. It comprises 8 steps and follows the PDCA logic.

The goal of this method is to find the root cause of the problem using statistical tools, develop containment actions to protect the customer and take preventive actions to prevent recurrence of the problem.

Keeping this in view, IMTMA is organizing an offline training on "**8D Problem Solving Methodology and 7QC Tools**".

## FOCUS AREAS

- PDCA / 8D Approach for problem solving
- Basic 7 QC Tools
  - Check sheet
  - Stratification
  - Brainstorming and Pareto chart
  - Cause and Effect diagram
  - Graphs and control charts
  - Histograms
  - Scatter diagrams
- TOPS-8D approach for problem solving
- Problem Description
- Intermediate / Immediate Actions
- Various methods for data collection for potential causes
- Root Cause Identification Process (Technical root cause and System root cause)
- Preventive action selection
- Financial Matrix for CAPA (Corrective and preventive action)
- Interlinking CI (continuous improvement) with CAPA
- Interlinking 8D Problem Solving with QS (Quality System) Reviews & FMEA
- Setting and meeting KPI targets for Efficiency and Effectiveness
- Case studies from Industry for effective problem solving by using QC tools

## KEY TAKE AWAYS

**After undergoing the programme, the participants will be able to**

- Learn 8D approach of problem solving i.e., finding the root cause, developing proper actions to eliminate root cause and implementing permanent corrective actions
- The 8D methodology also helps to explore the control systems that allowed the problem to escape. The Escape Point is studies for the purpose of improving the ability of the Control System to detect the failure or cause when and if it should occur again (Detection)
- Finally, the Prevention loop explores the systems that permitted the condition that allowed the failure and cause mechanism to exist in the first place (Prevention)
- Ensure the problem is not repeated

## PARTICIPATION FEE

**Rs. 4999/-**

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/ IMTMA Non Members/ Others**

**Rs. 2500/-**

+18% GST

**Professors**

**Rs. 999/-**

+18% GST

**Student**

**USD 200/-**

**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 20% 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 and engineers.

## FACULTY

**This programme will be conducted by, IMTMA Subject Matter Expert.**

He is a Qualified Mechanical Engineer and industry expert with more than 30 years of experience the field of Quality, Lean Management, Six Sigma, Lean Six Sigma etc. He is qualified Master Black Belt in Lean Six Sigma. He has conducted several training programs, work shops in topics related to Lean Management, Six Sigma, Lean Six Sigma etc. He is former Associate Vice President of Quality with Kalyani Maxion Wheels Pvt Ltd. He has also served in TUV SUD South Asia, Saint Gobain Sekurit Ltd.

### For Registration Contact

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**REGISTRATION** : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.

**Important Information** : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.