Manufacturing Technology Training
An IMTMA initiative

Problem Solving Tools & Techniques
Date : 22 to 25 August, 2022
Time : 0910 Hrs to 1330 Hrs (Online Mode)

INTRODUCTION

A problem is defined as a gap between the standard and the reality. Fundamentally, when there is such a gap, we search for the root cause and implement countermeasures to prevent the recurrence of the problem. Fundamental to any continuous improvement program is the ability to determine the root cause of an effect. Root cause analysis involves - deploying methodologies to understand the root cause/s of a problem and verify the same. Problem-solving tools and techniques are universally deployed approaches, that are structured to identify and verify the root cause in a scientific manner, followed by implementing countermeasures.

Keeping this in view, IMTMA is organizing an online program on Problem-Solving Tools and Techniques Champion for 16 Hrs online programs.

FOCUS AREAS

- What is Problem Solving?
- 7 QC Tools for Problem Solving
- 5 Why Analysis, 5 why explosion diagram
- Kipling checklist
- PM (Phenomena-Mechanism) Analysis
- Creative Idea generation for Effective solutions
- A3 Problem Solving

QC Tools for Preventing Problems

- FMEA – Failure Mode and Effect Analysis
- MSA – Measurement System Analysis
- SPC – Statistical Process Control
- Process Confirmation
- Mistake Proofing (Poka-yoke)
- Control Plan
- 8D
- COPQ

KEY TAKE AWAYS

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

- Sustain and create a Problem-solving culture in the organization.
- Use a scientific framework to solve problems and effect improvement.
- Understand and implement various Problem-solving tools and best practices.

FEE PER PARTICIPANT (PER LOGIN)

Rs. 12500/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 500/-
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 targeted at people from engineering personnel, production personnel, entry-level graduates, and those who would like to enter into the field of Operational Excellence. It will also benefit Managers and Quality supervisors from the machine tools, automobiles, auto ancillaries, tool rooms, aerospace, and general engineering.

FACULTY

This program will be conducted by **Mr. Anand K Deshpande.**
Mr. Anand Deshpande is an experienced Operational excellence professional and Six Sigma Black Belt with over 30 years of experience, including 14 years of global experience in Lean management and 11 years of consulting experience.

For the last 10 years, he has been a Consultant catering to effectuating use of process enhancement and quality improvement tools such as Skill Matrix, Value Stream mapping, Capacity planning, Best practice replication, Synchronous material flow, Kanban, JIT, Zero defects, Error proofing, FMEA, 8D problem solving, Six sigma green belt and yellow belt preparation training, OEE and implementation of performance management systems.

His executive career spans several countries with long stints at GBS Engineering, Dell International Services, Ford Motor Co – England & Germany, Philips India, and Nigeria.

He holds a degree in Production Engineering and an MBA from HULT International business school. He is passionate about implementing Lean and authored the book ‘Making Apparel Manufacturing Lean’.

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.