

**Last date for registration 03 September 2024**

## INTRODUCTION

GEN TRIZ's Training Workshop presents a specific point of view on innovation and a roadmap for effectively identifying, realizing, and managing innovation opportunities. The training is primarily focused on the fundamental principles of systematic innovation utilizing selected analytical tools for problem identification and problem solving. It provides participants with fundamental skills for system analysis, selection of innovation targets, asking "the right question" and generating ideas.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing a 3 days Physical classroom training on **TRIZ Level 1**.

### Certification

**Upon successful completion of the course & passing the Level 1 exam, you will get from MATRIZ Official (International TRIZ Official Association)**

## FOCUS AREAS

- Methods for activating creative thinking and generating ideas.
- History of the creation and evolution of TRIZ.
- TRIZ objects and basic definitions (the engineering system, product, tool, super - system, subsystem, function, ideality, ideal final result, competing and alternative systems, system operator, inventive situation, inventive problem, etc.).
- Fighting psychological Inertia.
- Function analysis (FA) for products
- Trimming of / or products
- Basics of cause & effect chain analysis (CECA)
- Resources and resource analysis
- Function Oriented Search (FOS)
- Engineering contradiction (EC) and EC resolution principles
- Altshuller's matrix for the resolution / elimination of engineering contradictions.
- The formulation and resolution / elimination of physical contradictions (PC).

## KEY TAKE AWAYS

- An understanding of the essence and fundamental notions of TRIZ and FA.
- The ability to find subsystems and super - systems of specified objects.
- The ability to formulate the main function of specified products
- The ability to build function models for products
- The ability to formulate trimming conditions for a product's components.
- The ability to build a cause - effect chain of disadvantages.
- The ability to formulate engineering contradictions
- The ability to work with Altshuller's matrix for the Elimination of engineering contradiction
- The ability to formulate and resolve physical contradictions

## PARTICIPATION FEE

**Rs. 35000/-**

+18% GST

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

**USD 1400/-**

**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company**

## PARTICIPANT PROFILE

Any graduate with a background of science & technology, Professionals from Quality, Research & Development, Engineering, Manufacturing, New product Development, Individual who have an urge to become a better Problem Solver

## FACULTY

This program will be conducted by **Dr. Sandeep Wankhade - TRIZ Level 3**

**Dr. Sandeep Wankhade is a TRIZ LEVEL 3, Professional.**

Dr. Wankhade has been involved in Training and/or active Consultancies at Bajaj Consumers, Crompton Greaves Consumers Electrical Ltd, Bajaj Auto, Eaton, Tata Motors, Fleetguard Filters, Giorgia Foods - USA, HDFC, Hindalco, JCB India, John Deere - India & Mexico, SB Energy, Forbes Marshall, Laxmi Machine Works, Vishay Components, Adani group, Yavne Pickles -Israel etc.

Dr. Wankhade is Innovation Ambassador (Foundation Level) Ministry of Education's Innovation Cell & AICTE, Dr. Wankhade is a Lean Six Sigma Black Belt.

Dr. Wankhade is an Associate Prof. & Head, Mechanical Sandwich Engg. Prog. & Head, R&D Cell Director Centre for Excellence in Training & Learning, IUCEE Coordinator, KAPILA, Ministry of Education's Innovation Cell Member, Board of Studies, Production and Industrial Engg, Pune University Member, Academic Council, Walchand College of Engineering, Sangli, Maharashtra Adjunct Faculty - WILP, BITS, Pilani

### 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.