GREAT DIECASTING TECHNOLOGY FORUM

TWO DAYS TRAINING PROGRAMME ON

Six Sigma & Design of Experiment using Artificial Intelligence

22 - 23 October 2024 (Tue-Wed)

Time: 9.30 am to 5.30 p.m.

Venue
Arkey Conference Hall
'Guruprasad', 2nd Floor,
37/4/A, 6th Lane, Prabhat Road, Pune 411 004

INTRODUCTION

This training on Six Sigma will provide you a Strong Foundation in Process Improvement Techniques, focussing on Identifying Inefficiencies & Understanding the basics of DMAIC (Define, Measure, Analyse, Improve, Control) Methodology. This tool is greatly essential for Process Improvements and Focused Improvement Projects.

Design of Experiment (DoE) will enhance your ability to Integrate Engineering Principles into Problem-Solving & Process Designing. It will help you understand Conventional as well as Technology Based DoE approach like Artificial Intelligence & Machine Learning (AI + ML) through used cases.

All-in-all, this training will help you undertake Focused Improvement Projects, impart ideas to Improve the Process Efficiencies, Reduce Rejection Levels, Optimise Costs.

TOPICS

Lean Six Sigma Yellow Belt Training Topics:
- Lean Six Sigma overview (DMAIC, Lean principles)
- Basic statistical tools (SPC, process capability)
- Data analysis (histograms, Pareto charts)
- Problem-solving tools (5 Whys, fishbone)
- FMEA basics
- Project management fundamentals
- Case studies and exercises

Design of Experiments (DoE)
1. What is DOE?
2. Strategic Advantages of DOE
3. Identifying Constraints
4. Mastering DOE
5. Timing is Everything
6. Charting the Course
7. Who's Got This?
8. In-depth Exploration of DOE
9. From Simple to Complex
10. AI-ML: The Game Changer
11. Success Stories to Inspire
12. Interactive Q&A Session

WHO CAN PARTICIPATE?

1. Professionals involved in Process Improvement, Quality Management, New Product Development & Improvement Projects
2. Engineers & Project Managers looking to optimize & enhance their Process Design Method
3. Anyone who is interested in Learning the Fundamentals of Focused Improvement & DoE through a Structured Approach

WHY SHOULD ONE ATTEND

1. To Learn Foundational Knowledge of Six Sigma & Design of Experiments Methodologies
2. To Improve skill sets to design innovative, effective engineering solutions in scientific way
3. To Understand concept & benefits through Use Cases by deploying Artificial Intelligence & Machine Learning (AI + ML)

COURSE FACULTIES

Mr. Pravin Halkikar
Principal Consultant
QLSS Business Consulting LLP

Educational Qualifications:
B.E in Mechanical (SPPU PUNE), Diplome in Mechanical (MSBTE PUNE)

Relevant Experience :
- 20+ Years of industrial experience in Quality Management
- Hands on experience of implementing Quality Systems in Casting, Machining, Plastic Moulding, Sheet Metal working, Painting, Heat Treatment, Assembly
- Senior Level ASME GD&T Professional Training
- Operational Excellence – TPM, TQM Implementation
- Core Tools – APQP, PPAP, FMEA, SPC MSA Training & Development
- EMS, OHSAS, First-Aid & Safety Training
- Code of Conduct Auditor

Recognitions
1. ASQ Certified Six Sigma Black Belt.
2. Belt Certified Lean Implementer by Lean Institute (LMII).
3. Lead Auditor for IATF 16949, ISO 9001, ISO 14001, ISO45001
4. Certified VDA 6.3 Process
5. Auditor Certified VDA 6.5

Mr. Sumesh Surendran
Director & Vice President - Digitalization
Tvarit Solutions Private Limited

Educational Qualification: With a strong educational foundation, including a PG Level Advanced Certification in Digital Manufacturing and Smart Factories from the Indian Institute of Science and a Master's in Data Science.

Relevant Experience: His experience ranges from architecting smart manufacturing initiatives, managing prescriptive analytics projects with significant cost saving. Has worked with visionary leaders from Hindalco, Uno Minda, Rico Auto and others to drive their Digital Transformation strategies

Awards & Recognitions: Tvarit been awarded with Best Future Technology Award at GDC Tech Forum 2023

Registration Fees

Category	Members	Non-Members
• Individual	Rs. 7,080.00	Rs. 7,788.00
• Corporate (3 delegates)	Rs. 19,116.00	Rs. 21,028.00

Inclusive of GST

Delegate Fees includes Course Material, Tea & Lunch etc. during the program.

RTGS / NEFT details

Account Name : Great Diecasting Technology Forum
Bank Name : UCO Bank
Branch Name : Deccan Gymkhana Branch
Account No. : 06870210002889
IFSC Code : UCBA0000687
MICR : 411028009
Type of A/c : Current
Payment to be made in favor of **'Great Diecasting Technology Forum'** payable at Pune.

We encourage & invite case studies/questions/issues concerning your organisation beforehand for discussion.
No issue is too big or too small!

Please send your registration form and payment details by email.

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