

END-TO-END TRAINING SOLUTIONS

280
TRAINING
MODULES

11000
PARTICIPANTS

END-TO-END
TRAINING
SOLUTION

THE NEXT LEVEL

TAKE YOUR ORGANIZATION TO



Tetrahedron

Ocus Technopolis, Golf Course Road, Sector 54, Gurgaon, India – 122002

✉ : tms@tetrahedron.in | ☎ : +91 7042140046 | 🌐 : <http://www.tetrahedron.in/>

Business Growth Strategy

Balance Score Card (BSC)
Bench Marking and Best Practices in Mfg
Business Simulation – Multi Layer Domain Specific
Change Management
Entrepreneurship
Ethics & Values in Organisation
Hoshin Kanri and X-Matrix Strategy Deployment
Leadership Skills
Project Management (Certification)
Sales and Customer Relation

Data Analysis

Big Data Science for Data Analysis in Mfg/SCM
Business Analysis - (ECBA, CCBA, CBAP)
Advanced MS Excel - Dashboards & MIS

Innovation Strategy

Design Thinking
Problem Solving and Strategic Thinking
Problem Solving by System Thinking
SCAMPER for Innovation
TRIZ – Theory of Inventive Problem Solving (TIPS)

Manufacturing Strategy

Daily Work Management (DWM)
Enterprise Risk Management
Finance for Non-Finance Managers
Industry 4.0 – Preparation Strategy
Sales & Operation Planning (S&OP) & IBP
SAP Training (MM, ME, SD, FICO, HR)
Theory of Constraints (TOC)
Value Stream Mapping - VSM
World Class Quality & World Class Manufacturing

SCM

Supplier Relationship Management
Supply Chain Analytics

Sustainability Strategy

Audit Carbon Foot Print & Carbon Credit Trading
Green Building Audit & Execution Methodology
Sustainability
Green Manufacturing Systems : Applications

Performance Management

7 Effective Way of Performance Management
Focused Performance Improvement – KRA KPI JD
Job Description and Analysis
Performance and Competency Mapping
Strategic Performance Management
Team Management and Leadership
Training Need Analysis by Statistical Approach
Skill Mapping & Training Need Identification

Quality Strategy

Shanin Quality Principle
The Taguchi Method

Global Sourcing

Supplier Relationship Management
Supply Chain Certification - (CSCP, CSCM)
SS - Critical Negotiation Skills in Procurement
Developing a World-class Procurement Strategy
Developing and Managing Contracts and SLAs
Effective Tendering and Supplier Management
Finance for Procurement Professionals
Fundamentals of Purchasing & Procurement
Fundamentals of Strategic Sourcing
International Procurement Programme
Legal Aspects in Sourcing & SCM
Managing Procurement Risk
Managing Total Cost of Ownership
Selling Procurement Business Cases
Spend Analysis
Strategic Sourcing and Category Management
Understanding Incoterms

Automation System

Advance Hydraulics
Advance Logic Synthesis
Automation and Control
Controllers
Electronic Design Automation
Energy Management Systems and SCADA
Global Positioning System
Industrial Automation and Control
Industrial Instrumentation
Machtronics and Manufacturing Automation
Neural Networks and Application
Pattern Recognition and Application
PLC Integration to LAN and WAN
Robotics
Robotics:Advance Concepts and Analysis
SCADA
Sensors
Wireless Ad Hoc and Sensors Network
Distributed Control System: Siemens+Emerson

Industry 4.0

Algorithms for Big Data
Artificial Intelligence (AI)
Certied ScrumMaster (CSM)
Virtual Reality (VR)

Quality Management

Design for Quality (DFQ)
Measurement System Analysis
Measuring Uncertainty in Calibration (MUC)
MSA + SPC
PPAP (Production Part Approval Process)
Principles of Mechnaical Measurements
Process FMEA (PFMEA)
Product Quality Control - Advanced Approach
Quality Function Deployment (QFD)
Reliability Engineering
SPC (Statistical Process Control)
Theory and Practice of Non Destructive Testing

Data Analysis

BI (Business Intelligence) Tool
Minitab
Regressing Analysis
Sampling Theory
Statistical Methods For Scientist and Engineers

Design & Development

Advance Finite Element Analysis
APQP (Advanced Product Quality Planning)
Auger Design
B&P Diagram - Boundry and Parameter Diagram
CAD for VLSI Design
CATIA
Collaborative Product (Process) Development CPD
Creative Engineering Design
Design FMEA (DFMEA)
Design for Manufacturing & Assembly (DFM/A)
Design Fundamentals
Design Review based on Failure Mode (DRBFM)
Design Verification Plan and Report (DVP & R)
Destructive and Non-Destructive Tests
Engine Testing & Vehicle Testing
Engineering Drawing
Environmental FMEA
Failure Mode Avoidance (FMA)
Failure Mode Effect & Criticality Analysis (FMECA)
Failure Mode Effect Analysis (FMEA)
Finite Element Analysis (FEM)
Front End Engineering Design (FEED)
GD&T (Geometric Dimensioning and Tolerencing)
GD&T Advanced- Tolerance Stack-Up Analysis
New Product Development
PLM

Six Sigma

Analysis of Variance and DOE
Applied Multivariate Analysis
Design for Six Sigma (DFSS)
Design for Six σ & Design of Experiment
Design of Experiment (DoE)

Standards & Audits

Assurance Audits & Reviews
Mechanical Measurement and Metrology

Sustainability Strategy

Green Manufacturing
Water Management

TPM

Advance Maintenance Strategy : Plan & Estimate
Asset & Integrity Management
General Inspection education and Execution
Minor Stop + Speed Loss + defect Loss
Modern Maintenance and Predictive Maintenance
Reliability & Maintainability (R&M)
Reliability Centered Maintenance (RCM)
TPM - 10 Pillar Approach
TPM - 16 Losses and 8 Pillars
TPM - 7 Steps of PM
TPM - Figure of 8 Approach
TPM - JH Step 1 to 4
TPM - JH Step 5 to 7
TPM - Makigami Analysis
TPM - PM Analysis
TPM - PM Analysis - Figure of 8 Approach
TPM - QA / QM Matrix
TPM - SMED (Single Minute Exchange of Die)
TPM - Tag Attach - Remove - Analysis
TPM - Total Productive Maintenance
TPM Awareness
Set Up & Start Up Loss Improvement

Work Place Management

Industrial Engineering
Time Value of Money Concepts and Calculations

Electric Vehicle

Advance Electric Drives
Electric Vehicle Assembly
Electric Vehicle Maintenance and Repair
Electric Vehicle Design
Introduction to Hybrid and Electric Vehicles

Manufacturing Engineering & Management

Advance Machining Processes
Advance Manufacturing Processes
Advances in Welding and Joining Technologies
Braking System (Including Tyres)
CNC Lathes and Mills
Compressors
Computer Integrated Manufacturing (CIM)
Dynamics of Machine
ESD Controls In Manufacturing
Flexible Manufacturing Systems (FMS)
Fluid Power
Gear Technology
Global Supply Chain Management
Grinding & Shaping Finishing
HVAC System
Hydraulics
Industrial Drives:Power Electronics
Machine Fault Diagnosis and Signal Processing
Machining
Material science
Pipe Stress Analysis & Practice Using CEASER - II
Steel Making
Surface Treatment /Paint Technology
Theory and Practice of Rotor Dynamics
VFD Parameterization and Maintenance
Vibration Control
Warehouse and Inventory Management
Weld Technology
Pipeline Integrity Management System with ASME
Vibration Monitoring & Analysis + Simulation
Advance Manufacturing Process
Ergonomics For Industrial Design
Industrial Oil Hydraulics and Pneumatics
Smart Material & Adaptive Structure

PROCESS IMPROVEMENT WORKSHOP

Quality Management

Quality Control System
Quality Management System
TQM - Total Quality Management
Advanced Quality Assurance & Quality Control

Lean Methodologies

Cellular Manufacturing Concepts
Lead Time Reduction in Manufacturing
Lean Logistics and Material Handling techniques
Lean Manufacturing
Line Balancing
Manpower Productivity in Manufacturing
One Piece / Single Piece Flow

Problem Solving

7 New QC Tools
7 QC Tools
CAPA (Corrective And Preventive Action)
Kaizen Approach & Implementation Technique
Root Cause Analysis (RCA) and Problem Solving
Why Why Analysis
8D Problem Solving
A3 Method

Process Enhancement

Poka Yoke – Mistake Proofing - 100 + Examples
PQCS (Process Quality Control System)
Process Modeling and Simulation
Service Operations Management
Simple & Low Cost Automation - 100+ Examples
VA & VE (Value Analysis and Value Engineering)
Standard Work, Motion and Time Study (TWI)

Safety & Work Place

Safety Audits and Safe Work Place
Safety Proactive / Reactive ; Leadersip in Safety
Saftey Leadership and Behavioral Safety
Santei and 5S+Safety+Work Place Management

SCM

Operations and Supply Chain Management
Supplier Development and Improvement
Supplier On-Boarding & Development
Supplier Quality Improvement Program
Tender and Contract management

Six Sigma

Advanced Lean Six Sigma
Six Sigma (Black Belt)
Six Sigma (Green Belt)
Six Sigma (Yellow Belt)

Standards & Audits

Conducting Safety, Energy & Pollution Audit
ISO 14000
ISO 16949 & IATF
ISO 18000
ISO 9000
Process / System Audit Skill

Work Place Management

Plant Layout Improvement and Space Creation
Visual Management and Visual Factory
Flow Focused Lean Layout
Layout Planing for Proiductivity Improvement

Manufacturing Engineering & Management

Business Process Re-engineering
Consumption Based Production System
Internal Customer Satisfaction Measurement
Materials & Spares Management
Statistical Interference
Production & Project Management
MS Excel: For Production & Supply Planning

BEHAVIORAL, SOFT SKILL & PROFESSIONAL TRAINING

Anger Management	Being a Good Team Player
Being Positive in Negative Situation	Business Communication
Communication Skill	Commitment to Work
Conflict Management & Resolution	Creative Thinking
Dealers, Associate and Workshop Training	Creativity & Innovation
Emotional Intelligence	Customer Focus
Enhancing Personal Effectiveness	Dealing with Emotions
Motivation and Team Building	Decision Making
Multi Tasking & Work Effectiveness	Goal Setting
Outbound Training, Adventure Training	Grievance Management
Presentation Skill	Improvisation
Prioritisation Techniques	Taking Initiative
Soft Skill in Manufacturing Companies	Integrity & Self respect in Work Place
Stress Management	Leadership
The Art of Delegation	POSH, Legal & Statutory Compliances
Time Management	Negotiation Skill
Work Life Balance - Win Win Strategy	Nonverbal Communication
Accountability & Responsibility	Planning & Proritisation Skill
Accurate & Active Listening	Problem Management
Analytical Thinking	Team Time and Task Management
Answering a Complaint	The Art of Delegation
Assertiveness & Positive Attitude	Verbal Communication
Attention to Detail	Written Communication

DEVELOPMENT PROGRAMS (LONG DURATION)

Program Detail	Duration
1 - Managerial Effectiveness & Development (MEDP)	6 Months
2 - GET / MT Development Program (GDP)	6 Months
3 - Supervisory Development Program (SDP)	6 Months
4 - Operator Development Program (ODP)	4 Days
5 - Sales Training (SGT, STP, ASAP)	6 Months

END-TO-END TRAINING SERVICES

Training Need
Identification

Pre Test &
Pre Read

Workshop
Delivery + Project
Allocation

Post Test &
Training
Effectiveness

Project Hand
Holding