

Operational Excellence Training

Achieving the excellence



Unichrone



Unichrone

About Unichrone

We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

We've trained professionals across global companies



Unichrone Training Advantages

- Accredited certification training
- 3-day interactive instructor-led training program
- Lean Six Sigma Master Black Belt Trainer provided
- Copy of course content provided
- 32 PDUs certificate offered
- Interactive sessions with case studies
- Opex practice tests with detailed answers
- Exam fees included in the training course

Operational Excellence Advantages



Structure of Operational Excellence



ELIGIBILITY CRITERIA

There are no prerequisites to attend this training. Anyone who wish to gain more knowledge on Quality Management can attend this course.

WHO SHOULD ATTEND

Engineers / Professionals / Executives who want to understand Six Sigma as a management tool for process and performance improvement at their work place Managers, Project Leaders, Senior Engineers, Black Belt Candidates and anyone who desires an understanding of Six Sigma principles and skills.

Also production managers, front line supervisors, quality professionals, and individuals who are responsible for improving quality and processes at an enterprise or departmental level, including champions and process owners.



Are you eligible?

Yes

No

Syllabus of Operation Excellence Training

Introduction to Operational Excellence

Strategic Planning & Deployment for Initiatives

- Importance of Strategic Planning
- Hoshin Kanri
 - Process Flow
 - Four Phases
- SWOT Analysis
- PEST Analysis

Organizational Process Management & Measures

- Performance Measures
 - Balanced Scorecard
 - Key Performance Indicators (KPIs) & Metrics
 - Line of Sight – Measures to Strategies

Financial Measures

- Net Present Value
- Return-on-Investment (ROI)
- Cost-Benefit Analysis (CBA)
- Hard Cost, Soft Cost & Cost Avoidance

Introduction to LEAN Management

- Learning Objectives
- Key Deliverables

Analytical Tools in LEAN

- Value Stream Mapping (VSM)
- Spaghetti Diagrams
- GEMBA Walk
- Genchi Genbutsu

LEAN Methods / Toolkit

- LEAN Principles
- 5S
- The Toyota 3M Model
- Poka-Yoke / Mistake-Proofing
- KANBAN
- Push-Pull System / Strategy
- Standardized Work
- JIDOKA
- Just-In-Time

Syllabus of Operation Excellence Training

Cycle-time Reduction

- Visual Control or Management
- Continuous Flow
- Heijunka
- Single-Minute Exchange of Die (SMED)

KAIZEN

- Meaning & Background of KAIZEN
- Meaning & Background of KAIZEN Blitz

Process Characteristics

- Primary Project Metrics
 - LEAD Time
 - Cycle Time
 - Turnaround Time (TAT)
 - Process Cycle Efficiency (PCE)
 - Yield
- Impact of Hidden Factories on Project Metrics

DMAIC Problem-Solving Process – An Overview

- DEFINE Phase
 - Key Deliverables
 - Overview: DEFINE Phase
 - Voice of the Customer (VOC)
 - Critical-To-Quality (CTQ)
 - Project Charter
 - Defects Per Million Opportunities (DPMO)
 - S-I-P-O-C & C-O-P-I-S
 - Process Mapping & Flowcharting

MEASURE Phase

- Key Deliverables
- Overview: MEASURE phase
- Data Types
- Operational Definition Worksheet (ODW) for base lining
- Data Collection Plan / Form (DCP / DCF)
- Process Capability Indices (PCI)

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ANALYZE Phase

- Key Deliverables
 - Overview: ANALYZE Phase
 - Root Cause Analysis (RCA)
 - 5-WHY Analysis
 - Fault-tree Analysis (FTA)
 - Corrective Action-Preventive Action (CAPA) mechanism
- Pareto Chart
- Run Chart
- Histogram
- Box Plot

IMPROVE Phase

- Key Deliverables
- Overview: IMPROVE Phase
- Techniques for generating creative solution ideas
- Tree Diagram
- Failure Modes & Effects Analysis (FMEA)
- Statistical Process Control (SPC) – An Overview

CONTROL Phase

- Key Deliverables
- Overview: CONTROL Phase
- Introduction to Control Charts

Control Chart Selection

- Decision-making Tree
- Control Chart for Continuous Data:-
 - * X-bar & R-chart
 - * X-bar & S-chart
 - * Individual & Moving Ranges Chart

Control Chart for Discrete Data

- c-Chart (Number of Incidents)
- u-Chart (Incidents Per Unit)
- p-chart (Percent defective)
- np-Chart (Number of Defectives)

Process Management Charts

Process Control Plan (PCP)

Contact Us

Email :
support@unichrone.com

<https://unichrone.com>

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