COURSE TABLE OF CONTENTS

Lean Project Management

OEM: Koenig Original • Duration: 2 Days (16 hrs)

COURSE MODULES & TOPICS

Module 1: Lean Thinking and Value Creation

- Evolution and philosophy of Lean Project Management
- Core principles of Lean
- Customer value identification
- 8 types of waste (DOWNTIME)
- Value Stream Mapping (VSM)
- 5S, Kaizen, PDCA, 5 Whys, A3 Problem Solving

Module 2: Lean Project Planning and Workflow Optimisation

- Integrating value, time, cost, and resources
- Pull Planning and Just-in-Time (JIT)
- Last Planner System
- Constraint identification and removal
- Bottleneck management and workflow synchronisation
- Cycle-time reduction
- Resource levelling and capacity optimisation
- Productivity improvement

Module 3: Lean Project Execution and Performance Control

- Lean leadership and empowered teams
- Stakeholder engagement
- Visual management and Kanban
- Daily performance management
- Structured problem-solving and root cause analysis
- Decision-making
- Risk, issue, and constraint management
- Lean KPIs and productivity measurement
- Performance monitoring

Module 4: Lean Transformation and Sustainable Excellence

- Continuous improvement and Kaizen philosophy
- PDCA culture
- Lean implementation strategy
- Change management and leadership commitment
- Lean maturity assessment and GAP analysis
- Transformation roadmap
- Digital Lean, Industry 4.0, and AI-enabled optimisation
- Sustaining Lean practices and measuring business benefits

Module 5: Practical Case Studies and Real-World Applications

- Construction: eliminating delays, rework, and material wastage

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- Manufacturing: Toyota Production System, JIT, continuous improvement
- Infrastructure: Last Planner System, pull planning, workflow reliability
- IT and software: Kanban, bottleneck elimination, faster delivery
- Warehouse and supply chain: 5S, material flow, inventory optimisation