



BLACK BELT CERTIFICATION

DESCRIPTION

Black Belts are experts in Lean and Six Sigma methodologies and dedicate much of their time to implementing company improvements, leading key projects and training or mentoring staff. Businesses employing Black Belts' services typically recognize a direct, quantifiable and substantial cost savings.

PROGRAM

Introduction to Black Belt

Define Phase

- Agile Project Management (SCRUM)
- Trainer Coach
- Emotional Intelligence
- Financial Project Evaluation

Measure and Map Phase

- Simulation

Analyze Phase

- Theory of Constraints (TOC)
- Regression Analysis

Improve Phase

- Fractional Factorial Designs
- Surface Respond
- Lean Company 4.0
- Lean Industry 4.0

Control Phase

- Sustainable Model
- Leader Standard Work
- Gemba Walks

INCLUDES

- Instructional Material
- Support Files
- Templates
- Certificate or Certification



OBJECTIVE

Upon completion, participants will be able to lead Lean Six Sigma projects in any type of organization.

BENEFITS

- Internal development of high-value projects
- Reduction in material and quality costs
- Improvement in process parameters for cost reduction
- Synchronization of the supply chain for flexible operations
- Reduction in variability, risk and process failures
- Substantial improvement in quality

PREREQUISITE COURSES

Green Belt Course/Certification

DURATION

40 hours for instructor-led training
20 hours for self-paced training