



Green Belt Curriculum

Module 1: Introduction to Lean Six Sigma

- History and Key Concepts of Lean & Six Sigma
- The DMAIC Methodology (Define, Measure, Analyze, Improve, Control)
- The Role of the Green Belt

Module 2: Define Phase

- Voice of the Customer (VOC)
- Project Charters & Stakeholder Analysis
- SIPOC Diagrams (Suppliers, Inputs, Process, Outputs, Customers)
- Basics of Project Management

Module 3: Measure Phase

- Data Collection Strategies
- Basic Statistics & Graphical Analysis
- Process Capability Analysis (Cp, Cpk)
- Measurement System Analysis (MSA) - Gauge R&R Overview

Module 4: Analyze Phase

- Root Cause Analysis (5 Whys, Fishbone Diagram)
- Introduction to Hypothesis Testing
- Correlation and Simple Regression
- Process Waste Analysis (8 Wastes of Lean)

Module 5: Improve & Control Phases

- Generating & Selecting Solutions
- Piloting Solutions & Risk Management
- Control Plans & Statistical Process Control (SPC) Basics
- Standardized Work & Visual Management