

Lean Six Sigma Yellow Belt Training

Module 1: Introduction to Lean Six Sigma

- Overview of Lean and Six Sigma concepts
- History and evolution of process improvement
- Importance of quality and efficiency in organizations
- Roles in Lean Six Sigma (Yellow Belt, Green Belt, Black Belt)
- Overview of the DMAIC framework

Module 2: Basics of Process Thinking

- Understanding processes and process flow
- Input-Process-Output (IPO) model
- Introduction to SIPOC diagrams
- Identifying customers and suppliers
- Process mapping fundamentals

Module 3: Define Phase (Overview)

- Understanding problem statements
- Voice of Customer (VOC) basics
- Critical to Quality (CTQ) concept
- Basic project charter elements
- Introduction to stakeholder identification

Module 4: Measure Phase (Overview)

- Basics of data collection
- Types of data (qualitative and quantitative)
- Introduction to measurement concepts
- Basic data visualization (charts and graphs)
- Understanding baseline performance

Module 5: Analyze Phase (Overview)

- Introduction to root cause analysis
- Fishbone (Cause-and-Effect) Diagram
- 5 Whys technique
- Pareto Analysis (80/20 principle)
- Identifying possible causes of problems

Module 6: Improve Phase (Overview)

- Idea generation techniques (Brainstorming)
- Basic Lean concepts:
- 5S methodology
- Waste identification (TIMWOODS)
- Introduction to simple solutions and improvements
- Prioritization of solutions

Module 7: Control Phase (Overview)

- Importance of sustaining improvements
- Basic control methods
- Standard Operating Procedures (SOPs)
- Visual management basics
- Continuous monitoring concepts

Module 8: Introduction to Lean Concepts

- Overview of Lean principles
- Types of waste in processes
- Basic flow and efficiency concepts
- Continuous improvement (Kaizen mindset)

Module 9: Basic Quality Tools

- Check Sheets
- Flowcharts
- Pareto Charts
- Histograms
- Cause-and-Effect Diagram

Module 10: Team Collaboration & Continuous Improvement

- Working in improvement teams
- Communication basics
- Supporting project execution
- Introduction to problem-solving culture
- Continuous improvement mindset in organizations