

What is Six Sigma & Why It Matters in Careers

Module 1: Introduction to Six Sigma

- What is Six Sigma?
- Meaning of “Sigma” in quality management
- Goal of Six Sigma (reducing defects and variation)
- Real-world examples across industries

Module 2: Key Concepts of Six Sigma

- Defects and process variation
- Concept of 3.4 defects per million opportunities (DPMO)
- Customer focus and quality
- Data-driven decision making

Module 3: Six Sigma Methodology Overview

- Introduction to DMAIC framework:
 - Define
 - Measure
 - Analyze
 - Improve
 - Control
- How organizations use DMAIC to solve problems

Module 4: Six Sigma in Careers

- Importance of Six Sigma in the job market
- Roles: Yellow Belt, Green Belt, Black Belt
- Applications across industries:
 - IT
 - Manufacturing
 - Service sector
- Relevance for roles like Business Analyst, Operations, and Project Management

Module 5: Activity & Wrap-Up

- Identify defects in a simple daily-life process
- Discussion on real-life applications
- Key takeaways and career direction