

# Overview of Six Sigma Methodologies

## Module 1: Introduction to Six Sigma Methodologies

- What is a methodology in Six Sigma
- Importance of structured problem-solving
- Overview of different Six Sigma approaches
- When and why methodologies are used

## Module 2: DMAIC Methodology (Core Approach)

- Define: identifying the problem and goals
- Measure: understanding current performance
- Analyze: finding root causes
- Improve: implementing solutions
- Control: sustaining improvements
- Use cases of DMAIC in existing processes

## Module 3: DMADV Methodology (Design Approach)

- Define: defining customer needs
- Measure: identifying design requirements
- Analyze: evaluating design options
- Design: developing the solution
- Verify: validating the design
- When to use DMADV (new process/product design)

## Module 4: DMAIC vs DMADV

- Key differences between both methodologies
- Improvement vs design approach
- When to choose each method
- Simple real-life comparison

## Module 5: Activity & Wrap-Up

- Identify a scenario: improvement vs new design

- Choose DMAIC or DMADV
- Key takeaways and practical understanding

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