

When to Use DMAIC vs Other Methods

Module 1: Introduction to Problem-Solving Methods

- Importance of choosing the right approach
- Overview of structured vs unstructured problem-solving
- Introduction to DMAIC and alternative methods
- Why one method does not fit all situations

Module 2: When to Use DMAIC

- Existing process with performance issues
- Problems related to defects, delays, or inefficiencies
- Availability of measurable data
- Need for root cause analysis and long-term improvement
- Examples from operations and service processes

Module 3: Other Common Methods

- PDCA (Plan-Do-Check-Act) basics
- Kaizen (continuous small improvements)
- Brainstorming and quick problem-solving
- Standard operating procedures for recurring tasks
- Agile approach for iterative improvements

Module 4: DMAIC vs Other Methods

- Structured vs flexible approaches
- Data-driven vs quick decision-making
- Long-term improvement vs short-term fixes
- Complexity and time involved
- Choosing the right method based on situation

Module 5: Activity & Wrap-Up

- Identify scenarios and select appropriate method
- Discuss reasoning for selection

- Key takeaways and practical understanding

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