



LEAN SIX SIGMA GREEN BELT

COURSE OUTLINE



LEAN SIX SIGMA GREEN BELT

Duration

5 days

Participants

Up to 12 participants

Formats

F2F and / or Virtual

Location

Sofia

COURSE OBJECTIVES

- 01** Expand the understanding of the DMAIC methodology.

- 02** Learn how to scope and charter a project, build a project team and manage stakeholders.

- 03** Understand how to apply Lean Six Sigma tools in a practical environment.

- 04** Gain a deeper understanding of data collection and statistical analysis tools.

- 05** Learn how to test statistical hypotheses to validate cause-and-effect relationships.

- 06** Understand how to conduct regression analysis and design of experiments to determine the vital few factors affecting the desired output.

- 07** Learn how to use statistical process control to ensure the long-term sustainability of improvement results.

- 08** Prepare for Lean Six Sigma Green Belt certification.

LEAN SIX SIGMA GREEN BELT COURSE CONTENT OUTLINE

Day 1

Define:

- 01
- Six Sigma fundamentals
 - Six Sigma origins
 - How to select Six Sigma projects
 - The lean organization
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Day 2

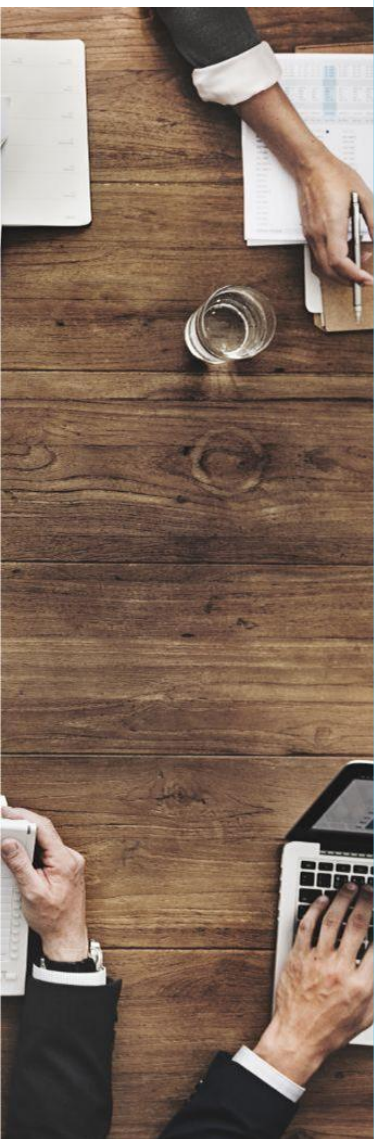
Measure:

- 02
- Process definition
 - Six Sigma statistics
 - Measurement System Analysis
 - Process Capability
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Day 3

Analyze:

- 03
- Types of variation
 - Inferential Statistics
 - Hypothesis tests
 - Hypothesis tests – normal data
 - Hypothesis tests – non-normal data
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Day 4

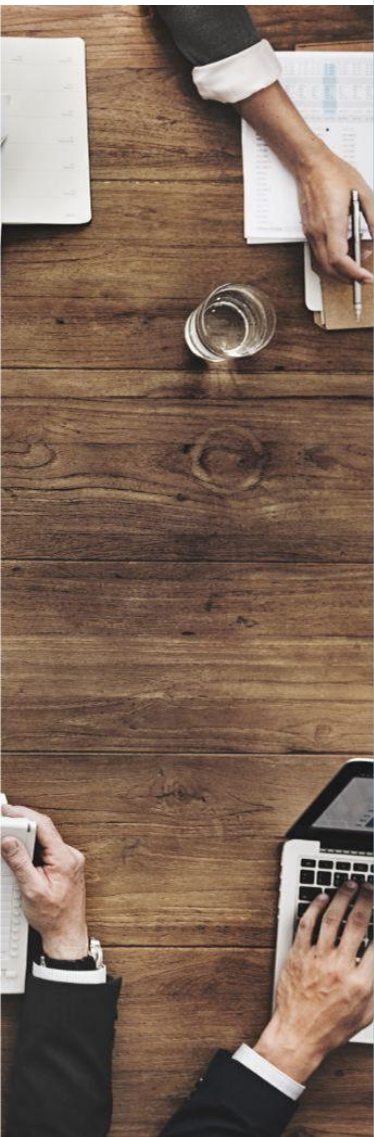
Improve:

- 04 • Simple Linear Regression
 - Multiple Regression Analysis
 - Design of Experiments
 - Full Factorial Experiments
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Day 5

Control:

- 05 • Lean Controls
 - Statistical Process Control (SPC)
 - Six Sigma Control Plans
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- 06 • Wrap Up
 - Solve Green Belt exam sample questions
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LET'S LEARN TOGETHER!

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