

## Lean Six Sigma Green Belt Training

*A 6-day course*

**Description:** The Six Sigma Green Belt is a specially trained team member within his or her function-specific area of the organisation. This focus allows the Green Belt to work on small, carefully defined Six Sigma projects, which require less than a Black Belt's full-time commitment.

Our Green Belt Training provides participants with strong problem-solving skills, with an emphasis on the DMAIC (Define, Measure, Analyse, Improve and Control) model.

The Green Belt has two primary tasks: first, to help successfully deploy Six Sigma techniques, and second, to lead small-scale improvement projects within their respective areas. In a support role, Green Belts can do much of the data-gathering analysis in support of a Black Belt project. On the Green Belt course you will learn how to use many of the Six Sigma problem-solving methods and statistical tools to contribute to the success of your organisation.

On this six-day Six Sigma Green Belt course participants will complete a practical business improvement project and pass a written multiple choice examination.

**Audience:** Green Belt training is recommended for all those in an organisation who will lead small projects or be active participants on larger Six Sigma Projects led by a Black Belt.

This Six Sigma Training course is suitable for managers, internal consultants, change agents, project managers, team leaders and team members who will be involved in Six Sigma projects.

**Duration:** Six Days

**Objectives:** On completion of this course, participants will be able to:

- ✧ Understand the concept of Six Sigma and the DMAIC approach to process improvement.
- ✧ Understand the tools involved in the Define, Measure, Analyse, Improve and Control phases.
- ✧ Understand the use of the tools in characterising processes, analysing process data, solving problems and controlling processes.
- ✧ Use the key tools to solve practical business problems.
- ✧ Lead small Six Sigma project teams or assist Black Belts to deliver tangible business results on larger projects.



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**Content:** **Introduction**

- ◇ Change Management
- ◇ Continuous Improvement
- ◇ Lean Manufacturing
- ◇ Six Sigma & DMAIC
- ◇ Kaizen Methodology
- ◇ Problem Solving

**Define & Measure**

- ◇ Customer Requirements - VOC
- ◇ Process Mapping
- ◇ Statistical Process Control - SPC
- ◇ Process Capability - Cp/Cpk

**Analyse & Improve**

- ◇ Brainstorming
- ◇ 5 Whys
- ◇ Root Cause Analysis
- ◇ Value Streams
- ◇ SIPOC
- ◇ Failure Mode & Effect Analysis

**Control**

- ◇ Standardisation
- ◇ Mistake Proofing - Poke Yoke
- ◇ Process Control
- ◇ Review and Action

**Course Project**

Participants will be required to select a project on which to work during and after the training course. The participant's organisation and the course facilitators will approve the project in advance.

**Course Material**

This course is supported with a very comprehensive training manual and selected text books which can be used as a valuable reference source after the course.



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