Leanov8 smart solutions | simplifying complexities

Green Belt Training

This course teaches you the define-measure-analyse-improve-control methodology using case studies from several industries. You will learn to define improvement projects to satisfy the customer and reduce variation.

Learning Objectives:

- Function as a 'tools application' member of a Lean six-sigma project team
- Lead and execute process-level improvement projects
- Collect process data and develop process maps
- -Develop statistical hypotheses using simple statistical tools
- Design simple experiments and/or implementation plans that help validate improvement options
- Apply problem solving and quantifiable tools to an improvement project brought to class on the first day.
- Eliminate waste and defects by applying lean and six sigma
- Collect, analyse, and quantify data that enable process improvements
- Learn how to execute the Lean six sigma methodology.
- Work with process owners to ensure process gains are held

Detailed Course Description

Learned skills are practiced and applied through individual and team exercises, as well as to the individual projects. Participants will be able to apply the concepts learned in the class to a business improvement project assigned to them by their management sponsor.

Green Belts provide value within the organization's Lean Six Sigma framework in a variety of ways. They serve on Black Belt project teams to help collect and analyse data, develop process maps, assist the Black Belt in certain levels of statistical analysis, and develop experimental designs for a particular project. These activities serve to support and accelerate progress in every project—which helps to maximize the organization's return on its investment, and adds capacity to deliver even greater numbers of breakthrough improvement projects throughout the company.

Green Belts are also assigned specific improvement projects to conduct on their own—projects that would not require the statistical rigor demonstrated by the Black Belt. Green Belts are able to conduct these projects within the scope of their normal daily roles.
Attendees will learn how to direct Lean Six Sigma projects and obtain the maximum improvements from the learned techniques and skills. Learned skills are practices and applied through individual and team exercises. These techniques are also applied to the individual projects. Participants will be able to apply the concepts learned in the class to a business improvement project assigned to them by their management sponsor.

Format

This course is an instructor-led, classroom-based environment, conducted 8 days spread across a month. The instruction is a blend of lecture, application, and individual and team-based exercises. Laptop computers will be used extensively during the class. There are normally sessions where the individual returns to their work environment to apply the knowledge and skills learned in class to their projects. This entire course is 8 days in length.

Materials

The instruction is a blend of lecture, application, and individual and team-based exercises. Laptop computers will be used extensively during the class.

Prerequisites

A defined, management-approved business improvement project that provides a positive business impact to your organization. The knowledge and skills learned in this training course will be applied to this project.
Basic statistics is recommended. Basic college-level algebra will be helpful to understand statistical concepts is a minimum.
Devote at least 25% of your time at your work environment to work on your project.
Minitab Statistical Software is required and must be provided by the participant (may be purchased at a discount from Leanov8).

Who Should Attend:

This course is designed for individuals from diverse organizational functions-operations, quality, logistics, finance, production, engineering and other staff functions. Participants are normally process owners or leaders and are well versed in technical aspects of their jobs and have worked on project teams.