PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: Lean Six Sigma Green Belt	**Course Duration**: 5.0 Days
Exam: Included	**Exam Type**: Proctored Exam
Qualification: Lean Six Sigma Green Belt Certificate	

Course Syllabus

Our Lean Six Sigma Green Belt training course will cover the following topics:

Introduction

- History of Lean Six Sigma
- Roles and responsibilities in Lean Six Sigma

Define

- Project Charter including Problem Definition and goals, Business Case
- Kano
- Voice of the Customer including Critical to Quality (CTQ)
- Voice of the Process including SIPOC
- Lean Six Sigma and Project Management
- Project Selection
- Define Tollgate

Measure

- Measurement Information Model
- Selecting the right metrics
- Sampling - basic concepts
- Yield and Defects - Process capability measures
- Developing a Process Baseline
- Measure Tollgate

Analyse

- Process Value analysis - Value stream mapping Root Cause Analysis - process decomposition Cause and Effect Matrices
- Exploratory Data Analysis (EDA)
- Inferential Statistics for Root Cause Analysis (overview)
- Analyse Tollgate

Improve

- Generating Solution Ideas - Brainstorming (Six Thinking Hats) Process Improvement strategies
- Lean Principles Selecting Solutions Risk Management Pilot Projects
- Improvement qualification (quantifying improvements)
- Improve Tollgate

Control

- Sustaining improvement Statistical Process Control (SPC) Control charts
- Control Tollgate

Course Overview

Our five-day Lean Six Sigma Green Belt training course provides the skills necessary to successfully complete DMAIC projects, including basic knowledge of planning, team problem-solving methods and improvement strategies.

Please Note: Our Lean Six Sigma Green Belt training course includes a refresher of the content encountered in the Lean Six Sigma Yellow Belt training course.

Lean Six Sigma Green Belts are specialists in executing Lean Six Sigma Projects. With the right combination of specialist expertise, statistical analysis and Lean Six Sigma methodology, you will be able to achieve significant improvements in performance and quality.

Course Learning Outcomes

Our Lean Six Sigma Green Belt training course will teach you:

- Understand problem solving and process improvement methods
- Plan and manage a real Lean Six Sigma DMAIC project
- Identify the elements of Cost of Poor quality and waste in a process
- Structure a measurement system and identify the appropriate metrics to support quantitative process improvement efforts
- Understand root cause analysis and value analysis methods Understand Process Improvement strategies
- Communicate with key stakeholders and drive change in the organisation
- Use many of the common process improvement tools

Audience

Our Lean Six Sigma Green Belt training course is suitable for:

- Managers
- Internal Consultants
- Change Agents
- Project Managers
- Team Leaders
- Team Members Involved In Lean Six Sigma Projects

Entry-Level Requirements

The main focus of our Lean Six Sigma Green Belt training course is the application of Lean Six Sigma DMAIC methods to real life improvement projects within the delegate's own organisation.

It is recommended that you attend our five-day Lean Six Sigma Yellow Belt training course.

It is suggested a minimum of three months should be between the Lean Six Sigma Yellow Belt and Lean Six Sigma Green Belt training course.

Recommended Reading

For our Lean Six Sigma Green Belt training course, you are required to lead at least one project, as part of the certification requirements.

What's Included

Our Lean Six Sigma Green Belt training course includes the following:

- Full Materials
- Course Workbook
- Lean Six Sigma Green Belt Examination

Exam Information

Lean Six Sigma Green Belt Examination:

The Lean Six Sigma Green Belt examination is an open-book exam. It is made up of multiple choice questions and takes a maximum of 90 minutes. You will have a WEBEX based examination.

To earn the Lean Six Sigma Green Belt certification, you are required to pass the Lean Six Sigma Green Belt examination and complete an improvement project demonstrating a use of appropriate tools, project results and business benefits.

What's Next

Lean and Six Sigma are both proven business Improvement approaches which provide businesses with the ability to maximise customer, employee and shareholder value by minimising process variation and waste.

Our ten-day Lean Six Sigma Black Belt training course will enable you to become self-sufficient process improvement practitioners with the capability to analyse opportunities and deliver solutions.

Our Lean Six Sigma Black Belt training course provides experienced Lean Six Sigma Green Belt's with the necessary tools and techniques to manage improvement resources to deliver major projects.

Additional Information

Lean Six Sigma is a pragmatic approach that emphasises the importance of focusing on delivering what the customer wants by utilising the skills and knowledge of the employees.

Improvement projects aim to reduce the cost of poor quality, increase process capability, minimise process cycle time and remove waste to deliver what the customer wants, ultimately resulting in increased customer satisfaction.