Lean Six Sigma

Green Belt Training Course

This is an international exam preparation course

Certification provided by PeopleCert *All talents, certified.* IASSC

Why Bakkah?

Bakkah is a leading company that owns two subsidiaries: **Consulting Company and Learning Company**. With a team of highly experienced and certified professionals, we will help you capitalize on opportunities driven by proven business practices.

We help you obtain professional certificates that will take your career to the next level. Our Learning products focus on building and boosting capabilities by offering the best and latest internationally accredited training courses in various fields, including: Project Management, Human Resource, Business Analysis, Information Technology, Quality Management, Supply Chain Management and Logistics.

We are keen to use and keep up with the latest global learning methods and processes. Since our training courses are flexible and aligned with the global changes, this will ensure an ongoing learning process and build high-quality capabilities.

Bakkah in Numbers

+80	+300	+600	+1,000	+20,000
Trainers	Clients	Client Engagements	Learning Sessions	Capabilities Built

Course Objective

After completing this course, you should be able to:

- Communicate using Lean Six Sigma concepts.

- Think about your organization as a collection of processes, with inputs that determine the output.

- Relate Lean Six Sigma concepts to the overall business mission and objectives.

- Use the concept of a Sigma Level to evaluate the capability of a process or organization.

- Understand and apply the five step DMAIC model as a framework to organize process improvement activity.

- Employ a wide range of process improvement techniques within the DMAIC model.

- Recognize the organizational factors that are necessary groundwork for a successful Lean Six Sigma effort.

- Employ your Six Sigma skills to lead a successful process improvement project delivering meaningful results to the organization.

Course Methodology

Online Training

- 7 Days – Online Training

- Exam Simulation

- Group Activity (Break-out Session) after each lesson

- Access to additional References – Glossary/ Recommended Reading/ Syllabus

- Material language will be in English

Bakkah Inc.

Targeted Audience

Professionals who need to lead improvement projects and/or serves as team members as a part of more complex improvement projects, typically in a part-time role.

Course Outline

Introduction

- The Basics of Six Sigma
- The Fundamentals of Six Sigma
- Lean Six Sigma Projects
- DMAIC Approach

Define Phase

- Lean Enterprise
- Lean Principles

Measure Phase

- Starter Pack Minitab Overview
- Process Definition
- Six Sigma Statistics
- Measurement System Analysis
- Process Capability
- Process Capability Vs. Process Performance
- Baseline Performance

Analyze Phase

- Patterns of Variation
- Inferential Statistics
- Hypothesis Testing
- Hypothesis Testing with Normal Data
- Hypothesis Testing with Non-Normal Data

Improve Phase

- Simple Linear Regression
- Multiple Regression Analysis
- Designing Experiment Overview

Control Phase

- Lean Controls
- Statistical Process Control (SPC)
- Six Sigma Control Plans

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