Lean Six Sigma

Black Belt Training Course

This is an international exam preparation course

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

By successfully completing this program, you'll be able to:

- Participate in the development of a successful Six Sigma program.

- Contribute to the definition of project selection criteria and develop project proposals to meet those criteria.

- Lead a Six Sigma project team using the DMAIC problem-solving methodology and team-building skills.

- Apply and interpret basic and advanced Six Sigma tools, as necessary, for project definition, process baseline analysis, process improvement, and process control.

- Demonstrate your skills in an industry-recognized certification exam.

Course Methodology

Online Training

- 8 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

- Senior Management
- Team leaders
- Software Professionals
- Project Managers

- Quality Assurance Managers and Engineers
- Software Quality Assurance team members
- Delivery Method

Course Outline

Introduction

- The Basics of Six Sigma
- DMIAC

Define Phase

- The Fundamentals of Six Sigma
- Selecting Lean Six Sigma Projects
- The Lean Enterprise

Measure Phase

- Process Definition
- Six Sigma Statistics
- Measurement System Analysis
- Process Capability
- Process Capability Vs. Process 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
- Designed Experiments
- Full Factorial Experiments
- Fractional Factorial Experiments

Control Phase

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

bakkah