



Lean Six Sigma

Black Belt Training Course

Certification provided by

PeopleCert
All talents, certified.



Why Bakkah?

Bakkah is a leading Saudi 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





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





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



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