



Quality Management & Operational Excellence

Advanced Six Sigma Techniques

Course Introduction

Six Sigma is more than just a methodology—it's a game-changer for businesses looking to enhance quality, streamline processes, and maximize efficiency. **BOOST** is excited to bring you this **five-day advanced Six Sigma training**, designed to take your skills to the next level. If you're ready to dive deep into data-driven decision-making, advanced statistical analysis, and Lean Six Sigma strategies, this course is for you.

Target Audience

This course is ideal for:

- Six Sigma practitioners and project leaders looking to refine their expertise.
- Quality assurance and process improvement professionals.
- Operations managers, engineers, and business analysts.
- Anyone eager to leverage Six Sigma for real-world impact.

Learning Objectives

By the end of this program, you'll be able to:

- Use advanced Six Sigma tools to solve complex problems.
- Analyse data to improve processes and drive better results.
- Apply Lean principles to cut waste and boost efficiency.
- Implement Design of Experiments (DOE) for smarter decision-making.
- Lead successful Six Sigma projects with confidence.
- Foster a culture of continuous improvement in your organization.

Course Outline

- **01 DAY ONE**

- Recap of Six Sigma principles and the DMAIC approach.
- Understanding variation and process capability.
- Gathering the right data: Measurement System Analysis (MSA).
- Statistical Process Control (SPC) for better decision-making.

- **02 DAY TWO**

- How Lean principles complement Six Sigma.
- Mapping value streams and optimizing process flow.
- The eight wastes: Identifying and cutting inefficiencies.
- Root cause analysis using Fishbone and 5 Whys techniques.
- Kaizen: Small, continuous improvements for big results.

- **03 DAY THREE**

- Using Hypothesis Testing and Regression Analysis effectively.
- Analysis of Variance (ANOVA) for comparing processes.
- Design of Experiments (DOE): A step-by-step guide.

Failure Modes and Effects Analysis (FMEA) for risk reduction.

- **04 DAY FOUR**

- How to lead Six Sigma teams and drive change.
- Creating control plans to maintain process improvements.
- Using Control Charts to monitor long-term success.
- Risk management strategies for Six Sigma projects.
- Success Stories: How top organizations leverage Six Sigma.

- **05 DAY FIVE**

- Simulating Six Sigma in different industries.
- Roadmap for implementing Six Sigma in your organization.
- Best practices for achieving Six Sigma certification.
- Aligning Six Sigma with your company's big-picture goals.

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 5, 2025	May 9, 2025	5 days	4250.00 \$	UAE - Abu Dhabi
Sept. 8, 2025	Sept. 12, 2025	5 days	4950.00 \$	Turkey - Antalya
Dec. 21, 2025	Dec. 25, 2025	5 days	4250.00 \$	Bahrain - Manama