

01 & 08 JUNE 2024 | SATURDAY ONLY | 10:00 AM – 05:00 PM PKT | ONLINE (VIA MS TEAMS) / ONSITE (KARACHI)



## COURSE OVERVIEW



Lean Six Sigma is a management philosophy which uses data and statistical tools to optimize business processes and create robust improvement environment. Being used initially by big companies, Lean Six Sigma applies instruments and techniques with the aim of eliminating defects and reducing the process variation.

Lean Six Sigma uses the analogy of belt colors (often associated with martial arts) to designate competence in applying lean six sigma tools to problem solving and process improvement.

This 2-day instructor-led Lean Six Sigma Yellow Belt training is suited to those new to the world of Lean Six Sigma who have a small role, interest, or need to develop foundational knowledge. Yellow Belts can be employees who seek to improve their world or executive champions who require an overview of Lean Six Sigma and DMAIC doctrine. This training will aid learning the skills and knowledge necessary to demonstrate team leadership, define and execute operational excellence projects, and implement practical tools using the DMAIC methodology within an organization.

## LEARNING OUTCOMES

With this course, you will be able to:

- ✓ GAIN insight into five-step DMAIC process and the use of the tools within each phase
- ✓ IDENTIFY eight types of lean waste
- ✓ RELATE Lean Six Sigma concepts to the overall business mission and objectives
- ✓ UNDERSTAND the Lean Six Sigma tools a Yellow Belt would be expected to use when on a project team
- ✓ BUILD a foundation for breakthrough performance
- ✓ FUNCTION as the steppingstone towards Green / Black Belt Certification

# COURSE CONTENT

The body of knowledge of this course comprise of following topics:

- Introduction of Lean and Six Sigma
- History of Lean and Six Sigma
- Applications of Lean Six Sigma in Various Sectors
- Lean Manufacturing Fundamentals
- Lean Six Sigma Infrastructure, Roles, Responsibilities and Implementation Roadmap
- Eight Deadly Lean Wastes
- Overview of Basic DMAIC Methodology and Tools:

Define	Measure	Analyze	Improve	Control
<ul style="list-style-type: none"><li>• Process Definition &amp; Types</li><li>• Project Charter</li><li>• Voice of Customer</li><li>• Cost of Quality</li><li>• Process Mapping (SIPOC / Swimlane Diagram)</li></ul>	<ul style="list-style-type: none"><li>• Descriptive Statistics</li><li>• Data Collection Plan</li><li>• Six Sigma Metrics</li><li>• DPMO Calculations and Baseline Sigma</li><li>• Pareto Analysis</li></ul>	<ul style="list-style-type: none"><li>• 5 Whys Analysis</li><li>• Cause &amp; Effect Diagram</li><li>• Scatter Plot</li><li>• Correlation Analysis</li></ul>	<ul style="list-style-type: none"><li>• Lean Tools:<ul style="list-style-type: none"><li>○ Kaizen</li><li>○ Poke-Yoke</li><li>○ 5S: Industrial Housekeeping</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Process FMEA</li><li>• Control Plan</li><li>• Documentation</li></ul>

**Training Methodology:** The training will employ a variety of teaching methods, including: interactive workshop and group discussions, learning from case studies, success stories and sharing of best practices and post-training assessment to measure knowledge retention and skills development.

## WHO IS THIS COURSE FOR?

This course is designed for anybody who needs a fundamental understanding of Lean and Six Sigma concepts and wants to ensure a long-term continuous improvement culture and looking to get most out of their career.

Participants are normally core team members who are responsible for running smaller process improvement projects and/or support Green Belts and Black Belts.

## KEY COURSE FEATURES

Two-Days Instructor Led Training	Course Material, Templates prepared by SMEs	Case Studies with Real-World Examples
Business Networking Opportunity	Lean Six Sigma Yellow Belt Course Completion Certificate	Post Training Career Counselling Services

## ABOUT OUR TRAINERS

Internationally experienced and certified Lean Six Sigma Black Belts. All the trainers are approved tutors by Singapore Quality Institute International (SQII) and have worked on number of Six Sigma Projects for multifarious companies.

## REGISTRATION DETAILS

**EARLY BIRD AND GROUP DISCOUNT AVAILABLE**

For course fees and registration(s) inquiry, send us your Name, Designation, Organization, Email address and Mobile number at [infokhi@piqc.edu.pk](mailto:infokhi@piqc.edu.pk)

For more Information, please call Mob: +92 333 2163620 | +92 315 0027826

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