

Six Sigma Green Belt

COURSE OVERVIEW

Focused on the DMAIC (Define, Measure, Analyze, Improve, Control) framework, this course teaches problem-solving techniques, data analysis, and process mapping to reduce variation and improve efficiency. It provides participants with the skills and knowledge to lead and support process improvement initiatives using the Six Sigma methodology. Participants will gain practical tools to identify root causes of issues, implement data-driven solutions, and contribute to quality and performance improvements across various industries.

WHO SHOULD ATTEND?

This course is ideal for professionals involved in quality management, operations, project management, process improvement, and performance analysis. It benefits team leaders, supervisors, engineers, analysts, and mid-level managers who aim to enhance efficiency, reduce waste, and improve service or product quality. Individuals preparing to take on leadership roles in continuous improvement projects, or those supporting Black Belt project teams, will find this course especially valuable in building a strong foundation in Six Sigma tools and methodologies.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand the principles and benefits of Six Sigma methodology.
- Apply the DMAIC (Define, Measure, Analyze, Improve, Control) framework to real-world process improvement projects.
- Use data collection and statistical analysis techniques to identify process inefficiencies.
- Create process maps, cause-and-effect diagrams, and control charts to support problem-solving.
- Identify root causes of defects and implement data-driven solutions.
- Reduce process variation and improve product or service quality.
- Work effectively in Six Sigma project teams and support Black Belt leaders.
- Monitor improvements and sustain gains using control methods.
- Understand key quality tools such as Pareto charts, histograms, and hypothesis testing.
- Contribute to a culture of continuous improvement within their organization.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- DMAIC framework for process improvement
- Root cause analysis and problem-solving tools
- Data-driven decision-making techniques
- Process mapping, variation reduction, and practical application across industries

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded