SNAGG MANAGEMENT

COURSE INFO SHEET
SIX SIGMA GREEN BELT

Objective:

The objective of this course is to equip participants with a thorough understanding of the Six Sigma methodology at the Green Belt level. Participants will learn how to apply the DMAIC (Define, Measure, Analyze, Improve, Control) framework to improve processes, reduce waste, and increase efficiency in their organizations. By the end of the course, attendees will be able to lead or support Six Sigma projects, implement process improvements, and contribute to achieving organizational goals through data-driven decision-making.

Content:

The Six Sigma Green Belt course provides a comprehensive curriculum covering the core principles of Six Sigma and Lean methodologies.

Key areas include: Introduction to Six Sigma and Lean: History, principles, and benefits of Six Sigma and Lean methodologies.

DMAIC Framework: Step-by-step application of Define, Measure, Analyze, Improve, and Control phases with practical implementation focus.

Define Phase: Problem identification, project charter creation, and stakeholder analysis.

Measure Phase: Data collection, process mapping, and statistical analysis to identify root causes.

Analyze Phase: Using tools like Pareto Charts, Cause & Effect Diagrams, and Hypothesis Testing.

Improve Phase: Brainstorming solutions and optimizing processes.

Control Phase: Establishing controls and monitoring for sustained improvements.

Lean Tools: Introduction to 5S, Value Stream Mapping, and Waste Reduction.

Statistical Tools: Use of control charts, histograms, and process capability studies.

The course emphasizes hands-on exercises, case studies, and group projects to ensure practical application of concepts and enhance problem-solving skills.

Duration:

This course consists of 5 days of in-house training to cover theory and practical exercises, followed by an additional 5 half days of project support. This structure ensures participants have ample opportunity to practice and reinforce their learning.

Assessment:

To achieve a certificate of competence, participants must complete a Six Sigma project and pass a written exam, demonstrating their ability to apply course concepts effectively.

Pre-requisites:

Participants should have a basic understanding of business processes and quality management. Prior completion of Six Sigma Yellow Belt , experience in team settings or project management is recommended. This course is ideal for professionals in process improvement, quality management, or project management.

Materials Provided:

•Course manual and handouts

•Certificate of completion

HQ@SNAGG.ORG