

Programme Overview

This course is developed exclusively for individuals seeking in depth understanding of lean, six sigma and continuous improvement methods, tools and techniques. Lean and six sigma is a great way to demonstrate your employer that you are ready for more, and have the skills and desire to help the organisation in their journey of continuous improvement.

Objectives

- Understand and apply the five-step DMAIC model to organise improvement activity.
- Use the concept of sigma and DPO to evaluate the capability of a process or an organization.
- Employ a wide range of process improvement techniques and Lean principles within the DMAIC model.
- Explore the organizational factors that are necessary for a successful Lean & Six Sigma projects.

Content

Understanding lean and its history, five principles of lean, seven deadly wastes, understanding six sigma and its history, DMAIC improvement methodology, lean six sigma optimization, introduction to project management, project charter, hypothesis testing, control charts, process capability studies, correlation and regression, value stream mapping, other continuous improvement tools.

- Achieving Organizational Goals using Six Sigma,
- Six Sigma Methodology: DMAIC, Organisatio
- Lean Thinking and its Components

- Six Sigma Define Phase: Process Management Concepts, Project Management Basics
- Six Sigma Measure Phase
- Six Sigma Analyze Phase: Data Analysis
- Six Sigma Improve & Control Phases

Pedagogy

In a composed mix of lectures, live cases, class room discussions, and presentations, participants learn the applications of Lean and six sigma in their organizations.

Key takeaways

By the end of this course, participants gain understanding of basic problem solving tools, core concepts and principles of both lean and six sigma that could be transferred to their organisation. This course is also equipped with key terminologies and templates for you to utilize at your organization

Who Should Attend?

The programme is for the delegates from Production or Manufacturing Engineers, Planning Operators, Quality Engineers, Any Employees Looking to enhance their Careers, Continuous Improvement Specialists, Service Employees, Consultants, Health Care Industry employees, Project Managers, Owners or Entrepreneurs, Executives or Senior Executives, Academics, Research Scholars.

Programme Director

[Prof. Sai Sudhakar Nudurupati](#) Professor