

Fundamentals of Lean Six Sigma

Who should take this workshop:

There are no constraints in terms of industries to apply Lean Six Sigma principles. Since the course is comprehensive and compact for easy application, people from different levels and industries who are interested in building their career and aiming for or already in the management positions can take this course.

This course will help one assess if further studies or application for certification would be more advantageous to increase one's market competency and reach career goals. Lean Six Sigma remains a powerful tool for continuous improvement and driver of innovation from simple to complex environment especially when combined with other enabling solutions such as big data, advanced analytics and artificial intelligence.

Workshop Introduction:

This workshop aims to introduce and give you an understanding of the fundamental concepts of Lean Six Sigma. In this workshop, you will learn key concepts, tools, and techniques of Lean Six Sigma.

We will start by defining process, variation and waste. You will learn about types of waste and what is non-value-added activity.

We will define Lean Six Sigma and introduce its key principles. Then we will go through the DMAIC framework as well as the tools and techniques that can be used to analyze and improve process flow.

This course will equip you with basic data and statistical analysis and different data visualization techniques. You will learn useful tools to help you brainstorm and prioritize competing objectives and projects.

We will discuss types of value and help you identify areas where you can start working on rapid improvement projects not only in your work place and organization but also in your own personal space. As we go through the course, we will have application activities to demonstrate how to apply the principles, tools and techniques in real life.

In addition, this course contains a brief introduction to risk management and how to build a project charter.