



***Lean Six Sigma Black Belt
Training and Certification –
Body of Knowledge***

Accredited by



LSS Body of Knowledge

1.0 Define

- 1.1 – Basics of Six Sigma
- 1.2 Fundamentals of Six Sigma
- 1.3 Selecting Lean Six Sigma projects
- 1.4 The Lean Enterprise

2.0 Measure

- 2.1 Process Definition and Discovery
- 2.2 Six Sigma Statistics
- 2.3 Measurement Systems Analysis
- 2.4 Process Capability Studies

3.0 Analyse

- 3.1 Patterns of Variation
- 3.2 Inferential Statistics
- 3.3 Hypothesis Testing Concepts
- 3.4 Hypothesis Testing – Parametric
- 3.5 Hypothesis Testing – Non Parametric
- 3.6 Logical Analytical Techniques

4.0 Improve

- 4.1 Simple Linear Regression
- 4.2 Multiple Linear Regression
- 4.3 Design of Experiments – An Introduction
- 4.4 Full Factorial and Fractional Factorial Experiments --- An Introduction

5.0 Control

- 5.1 Lean Controls
- 5.2 Statistical Process Control
- 5.3 Six Sigma Control Plans

6.0 Design for Six Sigma (QFD, AHP and Monte Carlo Simulations)