



## **Certified in Six Sigma/Lean Management – Green Belt**

This course will provide the participants with the following knowledge base and skills to:

1. Describe the concept of six sigma and error occurrence.
2. Explain the goals of six sigma modeling and application.
3. Introduce the concept and application of Lean Management in organizations.
4. Present methods of waste identification and reduction.
5. Describe errors management and prevention of risks.
6. Explain the sequence of problem identification, analysis and solution.
7. Discuss risk management techniques.
8. Present quantitative analysis of processes and outcomes.
9. Apply Six Sigma and Lean methodologies to improve outcomes.

### **Program Topics**

1. Overview of systems and organization behavior
2. What is Six Sigma?
3. What is Lean Management?
4. How to apply Six Sigma/Lean in organizations
5. Major Six Sigma concepts and applications
  - a. Defining
  - b. Measuring
  - c. Analyzing
  - d. Improving
  - e. Controlling
6. Team building and Team Dynamics
7. Risk Management fundamentals
8. Error prevention and management
9. Problem Identification and solution techniques
10. Quantitative Issue related to Six Sigma
  - a. Measures
  - b. Operations Analysis
  - c. Quantitative Methods
11. Process Planning, Management and Improvement tools
12. Project Management basics
13. Six Sigma and Quality Programs
14. Change Management
15. Case Studies and practical application

Duration: 28 hours