# LITA Lean IT Kaizen

Kaizen is an improvement philosophy in which continuous, incremental improvement occurs over a sustained period of time, creating more value and less waste, resulting in increased speed, lower costs and improved quality.

This is a handson 3 days course that teaches and equips individuals to define, facilitate and lead Lean IT Kaizen improvement initiatives. The course teaches students how to effectively use the Six Sigma DMAIC (Define, Measure, Analyze, Improve, Control) improvement model leveraging the Lean A3 problem identification and planning tool to complete a full improvement cycle.

This certification course provides you with the knowledge, skills and methodology required to identify, plan and implement incremental service and process improvements focused on improving the efficiency and effectiveness of any process or value stream. It also you prepares for the Lean IT Association Kaizen certification exam.

## Détails

- Code : LEAN-K
- Durée : 3 jours ( 21 heures )

Public
- Business Analysts
- IT Consult
- Managers
- Project managers
- Software Developers

Pré-requis
- Participants must hold the LITA Lean IT Foundation certificate.

### Objectifs
- Understand Lean principles related specifically to leading a Kaizen event
- Understand how to apply the Lean A3 tool to support continual improvement
- Gain practical how to knowledge of how to use of the Six Sigma DMAIC improvement model as a structured improvement methodology
- Learn about improvement scoping and validation
- Learn how to gain voice of customer input and establish critical to quality requirements

## Programme

### Day 1
- Welcome
- Introduction
- Organizing Kaizen
- A3 Method
- Theory Define
- Exercise 1: Define Make a problem statement
- Theory Measure
- Exercise 2a Measure: determine which data needs to be collected

### Day 2
- Theory Measure (continued)
- Exercise Measure 2b: Create data collection plan and update VSM
- Theory  Analyze
- Exercise 3a: Analyze: determine which data visualizations are required for problem
- Theory Analyse continued
- Exercise 3b: Analyse: root cause (update A3 with analysis)

- Theory Improve

### Day 3
- Exercise 4: Improve generating ideas (using techniques: brainstorming; reverse thinking or scamper – present A3 with solutions)
- Theory Improve Continued
- Exercise 5: Improve select ideas
- Theory Control
- Exercise 6: Control continued Exercise: make an control plan – update A3 with regard to implementation)
- Theory Control (continued)
- Exam preparation (sample exam and time for questions)
- Exam

### Assessment methods
- The exam is closedbook format
- The exam consists of 40 multiplechoice questions
- A minimum score of 65% is required to pass the exam
- The exam lasts 90 minutes

## Modalités

- Type d'action :Acquisition des connaissances
- Moyens de la formation :Formation présentielle – 1 poste par stagiaire – 1 vidéo projecteur – Support de cours fourni à chaque stagiaire
- Modalités pédagogiques :Exposés – Cas pratiques – Synthèse
- Validation :Exercices de validation – Attestation de stages