

PER-207 Lean software development: the fundamentals

Duration: 1 day

Trainer: Martin Goyette

TRAINING DESCRIPTION

Understanding the Lean approach in a software development context
Introduce the participant to Lean Software Development

LEARNING OBJECTIVES

At the end of this training, the participant will be able to:

- List the key principles and practices of Lean software development
- Evaluate the relevance of applying the Lean approach in your organization or development team
- Recognize possible solutions to improve its processes as well as its corporate culture
- Explore some strategies for change within an organization

METHODOLOGY

Several learning methods and didactic tools to measure the progress and integration of concepts by the participants are used throughout the training.

Lectures (70%), practical exercises (30%)

CONTENT

MASS PRODUCTION AND ITS DYSFUNCTIONS

THE LEAN COMPANY FOUNDED ON ADDED VALUE

LEADERSHIP AND LEAN MEASUREMENT

THE LEAN FOUNDATIONS, ITS PILLARS, ITS PRINCIPLES

CONCRETE APPLICATIONS IN SOFTWARE ENGINEERING

- eliminate waste
- amplify learning
- decide as late as possible
- deliver as fast as possible
- empower the team
- build integrity
- see the whole



Syllabus

LEAN PRACTICES

- Kata: Continuous improvement, the secret of success
- Kaizen: Undo to fully understand, redo without non-value-added activity
- Mission: Inspired by the Prius (Toyota) project
- Kanban: Method based on "Just in time" and "Workflow" management

THE STRATEGY FOR CHANGE

- structure, culture and leadership
- Lean versus non-Lean behaviors
- the obstacles
- the big secret

TARGET AUDIENCE

Manager, professional and technician interested in the Lean approach. Since this training remains high-level, technical and administrative profiles may find it useful while being warned that there will not be a particular in-depth subject related to their profession.

OTHER INFORMATION