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Sign up

Lean Six Sigma Yellow Belt Certification Training

ALL-IN-ONE: EXAM INCLUDED IN PRICE

3 days (21 hours)

Presentation

Lean Six Sigma Yellow Belt is an introductory certification in operational excellence. It provides an understanding of how to eliminate waste, make processes more reliable and structure improvements within the scope of your work.

Our Lean Six Sigma Yellow Belt training course will enable you to master the fundamental tools of the DMAIC method and apply the main Lean levers in a technological or IT context.

You'll be able to identify waste in a production or support flow, analyze the causes of a recurring incident, map an inefficient process, and formalize sustainable improvements.

Lean Six Sigma Yellow Belt gives you the foundations to collaborate effectively on continuous improvement projects, reinforcing the logic of quality, customer culture and operational performance.

Following this training, you will be able to structure problem-solving approaches and actively contribute to the reliability of IT, DevOps or software processes.

Like all our training courses, this one is based on the latest Lean Six Sigma practices.

Objectives

- Understand the fundamentals of Lean and Six Sigma
- Identify waste and breakpoints in a process
- Apply the DMAIC method to simple problems

- Use basic quality tools (SIPOC, 5 Whys, Ishikawa, Pareto...)
- Actively contribute to continuous improvement projects within your team
- Map a business process and improve its performance

Target audience

- DevOps
- Product Owners
- Scrum Masters
- Project managers
- Developers

Prerequisites

- No technical or statistical prerequisites
- Experience in a project, IT, support, development or product team is a plus

Our Lean Six Sigma Yellow Belt training program

[Day 1 - Morning]

Lean & Six Sigma culture, Yellow framework

- Yellow Belt objectives, roles & interactions (Green/Black/PO/OPS)
- Lean thinking: value, flow, 7 wastes (muda), muri, mura
- Six Sigma "light": variability, defects, Voice of the Customer, DMAIC overview
- Key IT metrics: lead time, cycle time, WIP, throughput, SLA, bug rate

[Day 1 - Afternoon] Problem,

VoC & SIPOC

- Well-framed problem: Problem Statement, scope, expected benefits
- Voice of the Customer (VoC), CTQ (Critical to Quality) & CTQ tree
- SIPOC mapping: suppliers, inputs, processes, outputs, customers
- Launching the DMAIC thread on an IT process (support, CI/CD, incident management)
- Practical workshop: SIPOC and CTQ on a real/simulated IT case study

[Day 2 - Morning]

Simple measurement

- Operational definition of an indicator (guaranteeing reliable measurements)
- Collection plan: what, how, who, how much; basic sampling
- Data basics: Pareto, histogram, run chart (trend), flow chart
- Practical workshop: mini-measurement & Pareto on spreadsheet (data set resolution times)

[Day 2 - Afternoon]

Analysis: root causes & quick wins

- Root cause analysis: 5 Whys & Ishikawa (5M/6M)
- Reading a Pareto to target major causes
- Selecting quick wins vs. structural causes (Effort/Impact matrix - simple version)
- Workshop: RCA on an incident post-mortem

[Day 3 - Morning]

Ideas, prioritization & light standardization

- Idea generation: framed brainstorming, SCAMPER (adapted), internal benchmark
- Prioritizing Effort/Impact; choosing testable countermeasures
- Standard Work, 5S digital (reference systems, checklists), visual management
- Practical workshop: Kanban flow simulation

[Day 3 - Afternoon]

Control: sustain & engage teams

- Control plan "light": who measures what, frequency, KPI visibility
- Team routines (stand-up, visual obeya), short-cycle PDCA
- Yellow" change management: mobilizing the team, micro-experiments, short communication (pitch)
- Practical workshop: A3 lite + 3-minute pitch to a sponsor

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced IT technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the forthcoming course, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Certification

A certificate will be awarded to each trainee who has completed the entire course.