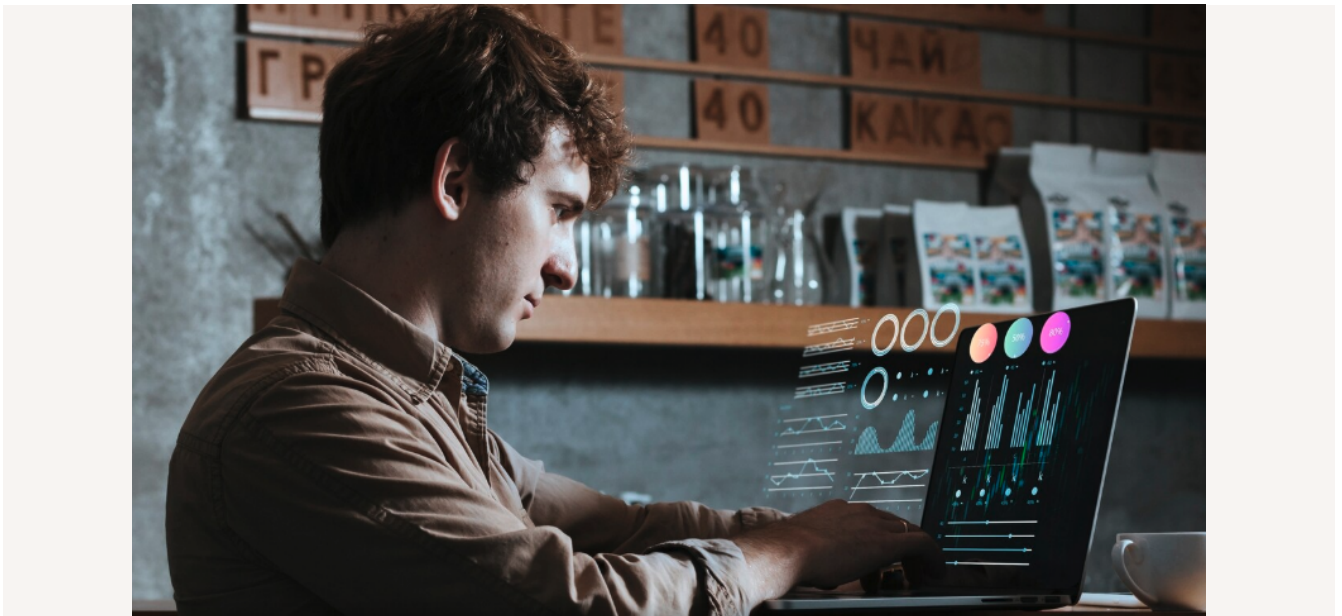


SPARK

QUALITY AND PRODUCTIVITY

Certificate in Quality, Productivity and Cost Optimization Using AI

Professional training programme



SPARK TRAINING

Professional training courses for leaders, specialists, and organizations seeking practical capability development.

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— Workshop Overview

In this course, participants will delve into practical strategies for enhancing quality operations, optimizing costs, and harnessing the power of Artificial Intelligence (AI) to boost overall productivity. We will explore real-world case studies, cutting-edge AI strategies, and actionable insights that can drive significant improvements. By examining best practices and tools from organizations that have successfully implemented quality methodologies, participants will learn how to achieve faster process cycle times, fewer defects, and streamlined operations. Additionally, the course will cover how to leverage organizational culture to create a robust platform for adopting a forward AI-thinking mindset.

Why Attend

This course relies on exercises and workshops to engage participants and help them learn and apply new concepts and practices. Group and plenary discussions will be used, and participants will be required to debate and present their findings. In addition, videos with different case studies will be offered.

Who Should Attend

Managers, supervisors, and staff who are responsible for, or indirectly involved in, productivity and quality improvement initiatives using an AI mindset.

— Learning Objectives

- Break down productivity concepts, types of organizational waste, and the role of AI
- Identify areas of poor organizational and personal effectiveness and efficiency and discuss practices and tools for improvement
- Analyze real-world case studies of organizations successfully implementing AI-driven productivity and quality improvement methodologies
- Apply quality improvement tools and techniques to improve processes, achieve faster cycle times, and reduce defects
- Explore effective cost-optimization strategies and understand how to leverage existing organizational culture to create a solid platform for adopting an AI-driven mindset

— Course Outline

DAY 1

Introduction to Productivity, Organizational Waste, and AI

- Definitions of productivity, organizational waste, and AI
- Research on productivity
- Causes for poor productivity
- Productivity improvement approaches
- Productivity improvement focus areas: Staff, quality, and cost optimization
- Productivity factor

DAY 2

Organizational and Personal Effectiveness and Efficiency

- Improving staff productivity at the workplace
- Sleep and its impact on productivity
- Six tips from Robin Sharma to unleash your productivity
- Efficiency defined and the quality approach
- Identifying the 'Muda' factor and value-added analysis
- Lean principles and the eight types of waste
- SMART practices for increasing productivity

DAY 3

AI-driven Productivity and Quality Improvement Methodologies

- Introduction to AI within the context of quality improvement
- Overview of AI technologies and their applications in quality improvement
- Utilizing AI to collect, analyze, and interpret data for informed decision-making
- Predictive analytics for anticipating and mitigating quality issues
- Leveraging AI to identify bottlenecks and streamline workflows
- Lessons learned and best practices from real-world AI deployments
- Addressing ethical considerations and challenges in AI implementation

DAY 4

Productivity Improvement Tools and Methodologies

- Productivity improvement project road map
- Tool selection guideline
- The seven fundamental quality tools
- Why-Why and How-How tree tools
- Six Sigma methodology
- The 5 S program for improving efficiency

DAY

5

Cost Optimization Opportunities and Creating the AI Mindset

- Cutting cost strategically: Tips from the experts
- Setting up a cost-optimization program
- Barriers to cost optimization programs
- Resistance psychology in humans
- Getting commitment to a cost-optimization program
- One hundred and forty ideas to optimize costs

— Upcoming Classroom Dates

DATE	LOCATION	FEE
12 - 16 October 2026	Barcelona - Spain	€1,925
9 - 13 November 2026	Paris - France	€2,250
14 - 18 December 2026	Frankfurt - Germany	€1,625
18 - 22 January 2027	Amsterdam - Netherlands	€2,125
15 - 19 February 2027	London - United Kingdom	€2,100
15 - 19 March 2027	Istanbul - Türkiye	€1,425
19 - 23 April 2027	Vienna - Austria	€2,125
17 - 21 May 2027	Barcelona - Spain	€1,925

— Certificate and Registration

Participants who attend and complete the full programme receive a SPARK Training Certificate of Completion. For registration, in-house delivery, or availability questions, contact info@sparktraining.eu or +31 85 115 0004.