Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

QUALITY ASSURANCE AND ISO STANDARDS

Value Stream Mapping (VSM) for Process Improvement Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
10 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 22, 2026

Academic & Professional Training Year: 2026

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Value Stream Mapping (VSM) for Process Improvement Training Course

Quality Assurance and ISO standards • 10 Days Intensive • Accredited Certification

Course Overview

Value Stream Mapping (VSM) for Process Improvement Training Course is designed to equip participants with advanced tools and strategies for streamlining processes, enhancing efficiency, and eliminating waste in organizations.

Key Skills & Software Tools Covered

Process mapping • workflow optimization • efficiency analysis

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
29 Dec 2025 – 9 Jan 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
29 Dec 2025 – 9 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
29 Dec 2025 – 9 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**
29 Dec 2025 – 9 Jan 2026	Cape Town	Classroom / 10d	**$9,000 USD / KES 110,000**
29 Dec 2025 – 9 Jan 2026	Addis Ababa	Classroom / 10d	**$6,000 USD / KES 110,000**
29 Dec 2025 – 9 Jan 2026	Singapore	Classroom / 10d	**$10,000 USD / KES 110,000**
29 Dec 2025 – 9 Jan 2026	Istanbul	Classroom / 10d	**$10,000 USD / KES 110,000**
29 Dec 2025 – 9 Jan 2026	Bangkok	Classroom / 10d	**$10,000 USD / KES 110,000**
29 Dec 2025 – 9 Jan 2026	Accra	Classroom / 10d	**$8,000 USD / KES 110,000**
12 Jan 2026 – 23 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
12 Jan 2026 – 23 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**
12 Jan 2026 – 23 Jan 2026	Cape Town	Classroom / 10d	**$9,000 USD / KES 110,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

Value Stream Mapping (VSM) for Process Improvement Training Course

Introduction

Value Stream Mapping (VSM) for Process Improvement Training Course is designed to equip participants with advanced tools and strategies for streamlining processes, enhancing efficiency, and eliminating waste in organizations. By applying VSM, businesses can identify inefficiencies, improve workflow, and deliver higher customer value. This course integrates lean management principles, process optimization techniques, and industry best practices, ensuring participants can translate insights into measurable results. With the growing emphasis on continuous improvement and agile transformation, VSM has become a powerful solution for enhancing operational excellence.

This program highlights the importance of visualization techniques, lean thinking, and data-driven decision-making to transform processes. Participants will gain hands-on exposure through case studies, simulations, and real-world exercises that focus on value creation, bottleneck reduction, and sustainable process improvement. By the end of this course, learners will be empowered to lead initiatives that maximize productivity, minimize costs, and foster customer satisfaction across diverse industries.

Course Objectives

- Understand the fundamentals of value stream mapping and lean management.
- Identify process bottlenecks and eliminate non-value-adding activities.

- Apply VSM tools to streamline end-to-end workflows.
- Enhance productivity and efficiency using lean methodologies.
- Design future-state maps for optimized process flows.
- Integrate VSM with digital transformation and Industry 4.0 strategies.
- Implement continuous improvement initiatives in organizational settings.
- Strengthen problem-solving and decision-making through VSM insights.
- Improve customer value delivery by reducing lead times and costs.
- Leverage VSM for agile transformation and scalable business processes.
- Apply case-based learning for practical VSM implementation.
- Foster a culture of innovation and lean thinking within organizations.
- Align VSM practices with strategic business objectives.

Organizational Benefits

- Improved operational efficiency.
- Reduction of waste across value streams.
- Enhanced customer satisfaction and loyalty.
- Streamlined processes and faster cycle times.
- Improved workforce engagement and collaboration.
- Stronger alignment between business strategy and operations.
- Increased agility and adaptability in dynamic markets.
- Sustainable cost reduction strategies.
- Improved quality control and performance metrics.
- Competitive advantage through lean-driven culture.

Target Audiences

- Process improvement managers.
- Lean Six Sigma professionals.
- Operations managers.
- Business analysts.
- Quality assurance specialists.
- Project managers.
- Industrial engineers.
- Senior executives seeking efficiency strategies.

Course Duration: 10 days

Course Modules

Module 1: Introduction to Value Stream Mapping

- Fundamentals of VSM
- Principles of lean thinking
- Importance of process visualization
- Key components of a value stream
- Benefits of mapping current and future states
- Case study: Basic VSM implementation in manufacturing

Module 2: Identifying Value and Waste

- Understanding customer value
- Types of waste in processes
- Differentiating value-adding vs non-value-adding activities
- Techniques for waste identification
- Waste elimination frameworks
- Case study: Reducing non-value activities in healthcare

Module 3: Process Flow Analysis

- Mapping end-to-end workflows
- Identifying process bottlenecks
- Evaluating cycle times and lead times
- Using process data for analysis
- Linking process flow with customer value
- Case study: Workflow optimization in banking services

Module 4: Current-State Mapping

- Steps in developing a current-state map
- Capturing data and metrics
- Identifying gaps in performance
- Collaboration during mapping
- Common mistakes in current-state analysis
- Case study: Current-state mapping in logistics

Module 5: Future-State Mapping

- Designing optimized future states
- Tools for scenario planning
- Eliminating redundancies in processes
- Incorporating technology in future mapping
- Aligning future states with strategy
- Case study: Future-state mapping in retail operations

Module 6: Metrics and Performance Measurement

- Key process performance indicators
- Data collection and interpretation
- Tracking cycle efficiency
- Benchmarking industry standards
- Continuous monitoring strategies
- Case study: Metrics-driven VSM in telecom sector

Module 7: VSM Tools and Techniques

- Symbols and notations in VSM
- Software tools for mapping
- Integrating digital platforms with VSM
- Best practices for tool application
- Training teams on mapping techniques
- Case study: VSM tool adoption in IT sector

Module 8: Bottleneck Identification and Resolution

- Identifying constraints in processes
- Tools for bottleneck analysis
- Techniques to reduce delays
- Workforce optimization
- Technology-driven solutions for bottlenecks
- Case study: Resolving bottlenecks in supply chain

Module 9: VSM and Lean Six Sigma Integration

- Synergy between VSM and Six Sigma
- DMAIC approach with VSM
- Statistical tools in process improvement
- Reducing process variability
- Lean Six Sigma project applications

- Case study: Lean Six Sigma with VSM in automotive industry

Module 10: Customer-Centric Process Improvement

- Linking VSM to customer experience
- Reducing customer wait times
- Enhancing quality of service delivery
- Balancing efficiency and customer needs
- Tools for measuring customer satisfaction
- Case study: Customer-centric VSM in e-commerce

Module 11: VSM in Digital Transformation

- Role of Industry 4.0 in process mapping
- Integration with automation technologies
- Data-driven VSM approaches
- Digital twins for future mapping
- Cloud-based VSM platforms
- Case study: Digital VSM in smart manufacturing

Module 12: Change Management for VSM

- Overcoming resistance to change
- Communication strategies for transformation
- Training and upskilling employees
- Leadership roles in VSM initiatives
- Building a lean culture
- Case study: Organizational change management in healthcare

Module 13: Advanced VSM Applications

- Multi-layered value stream mapping
- Cross-functional process mapping
- Global supply chain optimization
- Service industry applications
- Government and public sector applications
- Case study: Advanced VSM in large-scale projects

Module 14: Continuous Improvement through VSM

- Embedding Kaizen with VSM
- Monitoring and revising future states
- Encouraging feedback loops
- Linking VSM to innovation
- Role of leadership in sustaining improvement
- Case study: Continuous improvement culture in FMCG

Module 15: Capstone Project and Simulation

- Hands-on VSM project
- Group simulations for process optimization
- Real-world problem-solving exercises
- Applying course knowledge in practice
- Evaluation of VSM implementation plans
- Case study: End-to-end VSM project in service sector

Training Methodology

- Instructor-led interactive lectures.
- Hands-on practical exercises.
- Group discussions and role plays.

- Case study analysis for real-world application.
- Simulation-based learning experiences.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/value-stream-mapping-vsm-for-process-improvement-training-course to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.