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

PROJECT MANAGEMENT

Agile vs Waterfall Project Frameworks 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 21, 2026

Academic & Professional Training Year: 2026

DATASTAT TRAINING INSTITUTE

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Agile vs Waterfall Project Frameworks Training Course

Project Management • 10 Days Intensive • Accredited Certification

Course Overview

Agile vs Waterfall Project Frameworks Training Course provides a comprehensive comparison of two dominant project management methodologies used across technology, infrastructure, business transformation, and public-sector initiatives.

Key Skills & Software Tools Covered

MS Word • Jira • Microsoft Project • and Azure DevOps

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)
19 Jan 2026 – 30 Jan 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
19 Jan 2026 – 30 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Cape Town	Classroom / 10d	**$9,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Addis Ababa	Classroom / 10d	**$6,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Singapore	Classroom / 10d	**$10,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Istanbul	Classroom / 10d	**$10,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Bangkok	Classroom / 10d	**$10,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Accra	Classroom / 10d	**$8,000 USD / KES 110,000**
2 Feb 2026 – 13 Feb 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
2 Feb 2026 – 13 Feb 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
2 Feb 2026 – 13 Feb 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**

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

Course Curriculum & Modules

Agile vs Waterfall Project Frameworks Training Course

Introduction

Agile vs Waterfall Project Frameworks Training Course provides a comprehensive comparison of two dominant project management methodologies used across technology, infrastructure, business transformation, and public-sector initiatives. As organizations face increasing pressure to deliver projects faster, more efficiently, and with greater stakeholder alignment, selecting the appropriate framework has become a strategic decision. This course explores structured and adaptive delivery models, emphasizing project lifecycle management, governance, risk control, stakeholder engagement, scope management, and performance measurement. Participants gain practical insights into how Agile and Waterfall frameworks influence cost control, timelines, quality assurance, and organizational agility.

The course blends theory with applied practice to help participants understand when, why, and how to use Agile, Waterfall, or hybrid approaches in real-world environments. It addresses modern challenges such as digital transformation, regulatory compliance, distributed teams, and evolving customer requirements. Through detailed comparisons, tools, and case studies, participants develop the skills needed to align project frameworks with organizational strategy, operational maturity, and delivery objectives while improving project success rates and decision-making confidence.

Course Objectives

- Understand core principles of Agile and Waterfall project management frameworks.
- Compare project lifecycle structures and delivery models.
- Analyze strengths and limitations of Agile and Waterfall methodologies.
- Apply framework selection criteria based on project complexity and risk.
- Improve project planning, scheduling, and scope control practices.
- Enhance stakeholder engagement and communication strategies.
- Integrate governance and compliance requirements into project frameworks.
- Apply performance measurement and KPIs across different methodologies.
- Manage project risks using predictive and adaptive approaches.
- Align project delivery frameworks with organizational strategy.
- Implement hybrid models combining Agile and Waterfall elements.
- Improve team collaboration and accountability across project phases.
- Develop framework-specific implementation and transition roadmaps.

Organizational Benefits

- Improved project success rates and delivery predictability
- Better alignment between projects and strategic objectives
- Enhanced risk identification and mitigation
- More effective stakeholder communication and engagement
- Increased flexibility in managing changing requirements
- Stronger governance and compliance oversight
- Improved cost and schedule control
- Enhanced team productivity and collaboration
- Better decision-making on framework selection
- Greater organizational project management maturity

Target Audiences

- Project managers and program managers
- PMO professionals and project coordinators
- Business analysts and product owners
- IT and digital transformation leaders
- Operations and process improvement managers
- Engineering and development team leads
- Consultants and change management professionals
- Senior managers overseeing project portfolios

Course Duration: 10 days

Course Modules

Module 1: Fundamentals of Project Management Frameworks

- Overview of project management standards and frameworks
- Definition and purpose of delivery methodologies
- Historical evolution of Waterfall and Agile models
- Key terminology and concepts comparison
- Role of frameworks in project success
- Case Study: Framework selection failure in a large enterprise project

Module 2: Waterfall Project Management Overview

- Sequential project lifecycle structure
- Requirements definition and documentation practices
- Planning and design phase emphasis
- Change control mechanisms
- Suitability for regulated environments
- Case Study: Infrastructure project delivered using Waterfall

Module 3: Agile Project Management Overview

- Agile values and principles
- Iterative and incremental delivery models
- Adaptive planning and continuous feedback
- Agile roles and responsibilities
- Customer-centric development approach
- Case Study: Agile implementation in a software development firm

Module 4: Project Planning and Scheduling Comparison

- Waterfall planning techniques and Gantt charts
- Agile release planning and sprint planning
- Resource allocation approaches
- Dependency management techniques
- Timeline estimation challenges
- Case Study: Schedule overruns due to improper planning model

Module 5: Scope and Requirements Management

- Fixed scope management in Waterfall
- Evolving requirements handling in Agile
- Documentation vs user stories
- Managing scope creep across frameworks
- Stakeholder validation approaches
- Case Study: Scope misalignment in a hybrid project

Module 6: Governance and Compliance Considerations

- Governance structures in Waterfall projects
- Agile governance and lightweight controls
- Regulatory and audit requirements
- Documentation and approval processes
- Risk ownership and accountability
- Case Study: Regulatory compliance challenges in Agile delivery

Module 7: Risk Management Approaches

- Predictive risk planning in Waterfall
- Adaptive risk handling in Agile
- Risk identification and assessment tools
- Mitigation and contingency planning
- Monitoring and escalation processes
- Case Study: Risk exposure from delayed risk identification

Module 8: Stakeholder Engagement and Communication

- Stakeholder mapping and analysis
- Communication planning in Waterfall
- Continuous stakeholder feedback in Agile
- Managing expectations and conflict
- Reporting and visibility mechanisms
- Case Study: Stakeholder disengagement in long-duration projects

Module 9: Team Structure and Collaboration

- Role definitions in Waterfall teams
- Cross-functional Agile teams
- Leadership and decision-making styles
- Collaboration tools and practices

- Performance accountability mechanisms
- Case Study: Team productivity comparison across frameworks

Module 10: Quality Management and Testing

- Quality assurance in waterfall life cycles
- Continuous testing in Agile environments
- Acceptance criteria and validation
- Defect management approaches
- Continuous improvement practices
- Case Study: Quality failures due to late-stage testing

Module 11: Cost Management and Budget Control

- Cost estimation in Waterfall projects
- Incremental budgeting in Agile delivery
- Tracking cost performance metrics
- Managing financial risks
- Reporting cost variances
- Case Study: Budget overruns from framework mismatch

Module 12: Performance Measurement and KPIs

- Defining success metrics in Waterfall
- Agile performance indicators and velocity
- Tracking progress and value delivery
- Portfolio-level reporting
- Continuous performance improvement
- Case Study: KPI misalignment affecting decision-making

Module 13: Hybrid Project Management Models

- Rationale for hybrid approaches
- Combining predictive and adaptive elements
- Governance of hybrid projects
- Transitioning between frameworks
- Managing complexity in hybrid delivery
- Case Study: Successful hybrid framework implementation

Module 14: Framework Selection and Transition

- Criteria for selecting Agile or Waterfall
- Organizational readiness assessment
- Change management considerations
- Training and capability development
- Managing cultural resistance
- Case Study: Organizational transition from Waterfall to Agile

Module 15: Implementation Roadmaps and Best Practices

- Developing framework adoption roadmaps
- Institutionalizing best practices
- Lessons learned and knowledge management
- Scaling frameworks across portfolios
- Continuous maturity improvement
- Case Study: Enterprise-wide project framework rollout

Training Methodology

- Instructor-led conceptual sessions and framework walkthroughs
- Comparative analysis exercises and group discussions

- Practical tools, templates, and planning simulations
- Real-world case study analysis and problem-solving
- Group workshops and role-play scenarios
- Action planning and participant presentations

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/agile-vs-waterfall-project-frameworks-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.