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

ENTERPRISE RESOURCE PLANNING (ERP)

Test Case Design for ERP Business Processes Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
5 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

P.O. Box 102802-00101, Nairobi, Kenya

Training Centers: Nairobi • Mombasa • Kigali • Dubai • Live Virtual Academy

Tel: +254 724 527 104 | +254 734 969 612

Email: training@datastatresearch.org

www.datastatresearch.org

Test Case Design for ERP Business Processes Training Course

Enterprise Resource Planning (ERP) • 5 Days Intensive • Accredited Certification

Course Overview

Test Case Design for ERP Business Processes Training Course is meticulously crafted to equip professionals with the essential skills to design effective test cases tailored to ERP systems.

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 – 2 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
29 Dec 2025 – 2 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
5 Jan 2026 – 9 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**

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

Course Curriculum & Modules

Test Case Design for ERP Business Processes Training Course

Introduction

In today's fast-paced business world, ERP (Enterprise Resource Planning) systems are essential for organizations to streamline their operations, integrate business functions, and enhance decision-making. However, the complexity of these systems necessitates rigorous testing to ensure their efficiency, accuracy, and reliability. Test Case Design for ERP Business Processes Training Course is meticulously crafted to equip professionals with the essential skills to design effective test cases tailored to ERP systems. By mastering test case creation, participants will be able to ensure that ERP modules, such as finance, human resources, inventory, and customer relationship management (CRM), function seamlessly without interruptions. As ERP systems often span multiple departments, test case design is crucial to mitigate risks and ensure smooth business operations, ultimately contributing to the overall success of an organization.

The training program offers a deep dive into the best practices for test case creation in ERP environments. From understanding key business processes to crafting test cases that thoroughly validate system functionality, the course is designed for both beginners and advanced users. Attendees will engage with real-life case studies, learn from industry experts, and gain hands-on experience with modern testing methodologies. By focusing on industry-specific scenarios, the course will provide actionable insights into overcoming the common challenges faced during ERP system deployment, testing, and maintenance. Ultimately, this training aims to enhance the quality of ERP implementations and ensure optimal system performance through well-designed and comprehensive test cases.

Course Duration

5 days

Course Objectives

- Understand the fundamentals of ERP business processes and their integration across departments.
- Learn how to create effective and efficient test cases for ERP systems using industry-standard methodologies.
- Identify critical business processes in ERP systems that require testing.
- Gain expertise in the functional testing of ERP modules such as Finance, HR, CRM, and Manufacturing.
- Implement risk-based testing techniques to prioritize test cases based on business impact.
- Analyze and address common challenges faced in ERP system testing and how to mitigate them.
- Develop test cases that ensure seamless data flow across different ERP modules.
- Apply both manual and automated testing techniques to ERP system testing.
- Master the use of test management tools for tracking, reporting, and analyzing test cases.
- Understand and implement regression testing for ERP systems post-upgrades.
- Learn how to design tests that validate ERP system interfaces with third-party applications.
- Ensure that ERP systems meet the necessary security and compliance requirements through targeted test cases.
- Implement best practices for maintaining test cases as ERP systems evolve over time.

Target Audience

- ERP System Administrators
- Quality Assurance Engineers
- Business Analysts
- ERP Consultants
- Test Managers
- Project Managers
- IT Professionals involved in ERP Implementations
- Software Testers and Developers

Course Modules

Module 1: Introduction to ERP Business Processes

- Understanding the core components of ERP systems
- ERP implementation lifecycle overview
- Key ERP modules
- Integration of ERP with business functions
- Common challenges and how to overcome them

Case Study: ERP Integration in a Global Manufacturing Firm

Module 2: Test Case Design Fundamentals

- What is a test case and its significance in ERP testing
- Test case structure and components
- Types of test cases: Functional, Regression, Integration
- Best practices for writing test cases
- Creating traceable test cases linked to business requirements

Case Study: Test Case Design for Financial Module in an ERP System

Module 3: Risk-based Testing in ERP Systems

- Introduction to risk-based testing
- Identifying high-risk business processes
- Prioritizing test cases based on risk
- Risk assessment tools and techniques
- Handling complex test scenarios in ERP

Case Study: Risk-based Testing for HR and Payroll Modules

Module 4: Manual Testing vs Automated Testing for ERP

- When to use manual testing vs automation in ERP
- Benefits and challenges of manual testing
- Introduction to ERP automation tools

- Creating automated test scripts for ERP modules
- Analyzing test results and debugging automated tests

Case Study: Automating Test Cases for Inventory Management in ERP

Module 5: Functional Testing of ERP Modules

- Testing core ERP modules: Finance, HR, Sales, etc.
- Validating workflows and processes within ERP systems
- Handling complex business rules in testing
- Identifying and fixing errors in ERP functionalities
- Reporting and tracking defects

Case Study: Functional Testing of CRM Module in ERP System

Module 6: Regression Testing for ERP Post-Updates

- Importance of regression testing in ERP systems
- Key areas for regression testing after updates and patches
- Best practices for regression testing ERP applications
- Automating regression tests for ERP systems
- Strategies to minimize regression testing efforts

Case Study: Regression Testing for ERP System after Version Upgrade

Module 7: Testing ERP Interfaces and Third-party Integrations

- Validating ERP system interfaces with external applications
- Common integration points in ERP systems (APIs, Data imports/exports)
- Testing data consistency and synchronization
- Best practices for integration testing in ERP systems
- Tools for automating integration tests

Case Study: Testing Integration of ERP with CRM and E-commerce Platform

Module 8: Security, Compliance, and Performance Testing in ERP

- Security testing in ERP systems
- Compliance testing for industry standards
- Performance testing for scalability and load handling
- Stress testing and identifying system bottlenecks
- Best practices for maintaining ERP security and compliance

Case Study: Performance and Security Testing for ERP in Financial Sector

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

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/test-case-design-for-erp-business-processes-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.