KOENIG SOLUTIONS · COURSE OUTLINE

Advanced Level Test Management 3.0

5 Days	16	44	4
DURATION	MODULES	TOPICS	HANDS-ON WORKSHOPS

PREREQUISITES

- Must Hold Foundation Level Certification (CTFL) and Practical Experience

LEARNING OBJECTIVES

- Explain the testing process and align planning with business goals
- Compare test management approaches across agile and hybrid models
- Plan risk-based tests that mitigate priority quality risks
- Define project test strategies and measurable test objectives
- Apply structured models such as IDEAL and TMMi to improve processes
- Design test metrics and dashboards to inform stakeholders
- Analyse defect data to guide test planning and process improvement
- Manage stakeholder relationships through communication and reporting

COURSE SYLLABUS

16 Modules, 44 Topics

DAY 1 Foundations of Test Management

01

Understanding the Testing Process in Practice

TOPICS

- Review the full lifecycle of testing from planning through completion
- Discuss planning documents and their alignment with business goals
- Introduce test control and monitoring dashboards

02

Testing in Different Contexts

TOPICS

- Explore how test management adapts in agile, hybrid, and traditional models
- Discuss the role and influence of different stakeholders
- Examine how test levels (system, integration, acceptance) affect planning

03

Managing Test Activities Across the Lifecycle

TOPICS

- Define activities for functional, non-functional, and user acceptance testing
- Integrate planning into varying SDLC phases
- Control test dependencies and test readiness

04

Workshop

Risk-Based Testing in Action

TOPICS

- Identify and classify quality risks
- Assess risk impact and likelihood using structured techniques
- Plan tests that directly mitigate priority risks

DAY 2 Strategy and Process Improvement

05

Defining a Project Test Strategy

TOPICS

- Understand organizational test strategies vs. project-specific strategies.
- Select context-appropriate test approaches
- Define measurable and risk-aligned test objectives

06

Improving Test Processes

TOPICS

- Learn structured improvement using IDEAL, TMMi, and analytical models
- Conduct retrospectives to gather improvement insights
- Identify improvement initiatives based on stakeholder feedback and metrics

07

Designing and Using Test Metrics

TOPICS

- Establish KPIs and measurement frameworks for quality and progress
- Design dashboards to inform stakeholders effectively
- Evaluate metrics for control and improvement—not just reporting

08

Workshop

Estimating Testing Efforts

TOPICS

- Break down test activities and estimate durations using expert judgment, analogous and formula-based methods
- Adjust estimates based on scope volatility, test depth, and risk exposure

DAY 3 Defect Management and Analysis

09

Defect Lifecycle and Classification

TOPICS

- Define and use a defect workflow adaptable to multiple teams and environments
- Analyze defect patterns to guide test planning
- Distinguish root cause analysis and process correction

10

Cross-functional Defect Handling in Agile and Hybrid Models

TOPICS

- Coordinate defect ownership between testing and development
- Facilitate defect triage meetings and status discussions
- Review defect communication strategies across cross-functional teams

11

Workshop

Using Defect Data for Process Improvement

TOPICS

- Extract lessons from past releases
- Convert defect data into action plans
- Integrate defect learning into retrospectives and improvement initiatives

DAY 4 People and Stakeholder Management

12

Building and Developing the Test Team

TOPICS

- Identify required skillsets based on the testing context
- Assess team strengths and create upskilling plans
- Apply leadership techniques for productivity and collaboration

13

Understanding Motivation and Engagement

TOPICS

- Explore motivators and demotivators in a test team environment
- Manage burnout, shifting responsibilities, and unclear roles
- Establish a healthy communication culture

14

Workshop

Managing Stakeholder Relationships

TOPICS

- Communicate testing's business value with cost of quality and cost-benefit analysis
- Adapt language and formats for different audiences (devs, execs, users)
- Build trust and influence through reporting and results

DAY 5

Exam Readiness and Final Practice

15

Mock Exam Simulation

TOPICS

- Attempt a full-length mock test with realistic difficulty and timing
- Follow it up with a structured review and explanation session

16

Core Topic Recap

TOPICS

- Revisit risk-based testing, metrics, estimation, team leadership, and stakeholder management

HANDS-ON WORKSHOPS

Practise What You Learn

#	MODULE	ACTIVITY
04	**Risk-Based Testing in Action**	Create a risk-based test plan using a real-world case
08	**Estimating Testing Efforts**	Prepare a metric report and a high-level test effort estimate
11	**Using Defect Data for Process Improvement**	Perform root cause analysis on a sample defect dataset
14	**Managing Stakeholder Relationships**	Simulate team setup and stakeholder negotiation in a time-boxed planning scenario

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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