QAI

Functional Testing Foundation

Overview

Functional Testing guarantees that the application provided to the customers actually works as described and identified in requirements document. Functional tests is also useful for revealing faults and weaknesses, that can be used to crash the system, thus assisting helping the overall protection of the solutions. It can also ensure that applications are interoperable and backward compatible.

In this direction, the program "Essentials of Functional Testing" has been designed to help testers understand, experiment, learn and apply the concepts surrounding the testing of applications in a very structured and formal manner.

Program Highlights

- Self paced Online Learning Program with 46 Learner Hours
- Live Mentor Support for Q&A sessions
- Breakout sessions with mentor & co-participants
- Student workbook with assignments and quizzes
- Formal online Final Examination
- Detailed learning report to organization L&D Team
- Course completion certificate by QAI Global Institute
- Designed by Practitioners and Experts

Edista Testing Institute

Edista Testing Institute [ETI] is a workforce development partner for leading IT organization globally enabling Acquisition, Transformation, Recognition and Engagement solutions for Workforce Development in IT & IT Enabled Services. Setup in 2008, the focus of the organization has been to enable IT organizations create a sustainable competitive advantage through interventions to solve the Workforce Challenges through innovative models and methods for building capacity, enhancing capability and engaging the community of the employed professionals in business critical skills.

QAI Global Institute

QAI Global Institute conducts instructor led trainings (ILT), career programs, exam preparatory training and certification for both individuals and organizations. QAI has trained over 140,000 individuals and certified over 40,000 professionals in over 15 countries. Today, the Institute caters to a wide variety of industries and provides access to a wealth of concepts and skill building reinforced through consulting, training, assessments, benchmarking, certification, conferences, and eLearning. The institute supports the IT practitioner by facilitating corporate and individual membership programs.

Learning Objectives

This program primarily focuses on the following core objectives:

- Appreciate the importance of Quality
- Understand the principles, practices and concepts surround software testing
- Learn how testing is done throughout the lifecycle in a project
- Understand the importance of Test Requirements, Test Plan, Test Design and Test Execution
- Write test cases effectively
- Report defects and test execution results in an effective manner
- Apply and practice the concepts learned in testing the given project
- Learn how the testing process can be improved upon by using Standard Test Improvement models
- Learn the soft skills required by a tester and also know about how successful test teams can be built

Program Coverage

Module 1: Basic Aspects of Software Testing
Module 2: Testing throughout the software life cycle
Module 3: Testing Process
Module 4: Test Techniques
Module 5: Testing of Software Characteristics
Module 6: Test Reporting
Module 7: Reviews
Module 8: Defect Management
Module 9: Test Management
Module 10: Standards and Test Improvement Process
Module 11: People Skills - Team Composition

Target Audience

The course is appropriate for both Novice & Experienced Testers who may or may not have exposure to SOA Web Services testing and fall under the following categories:

- Program Managers
- Test Managers / Quality Managers
- Test Leads / Quality Leads
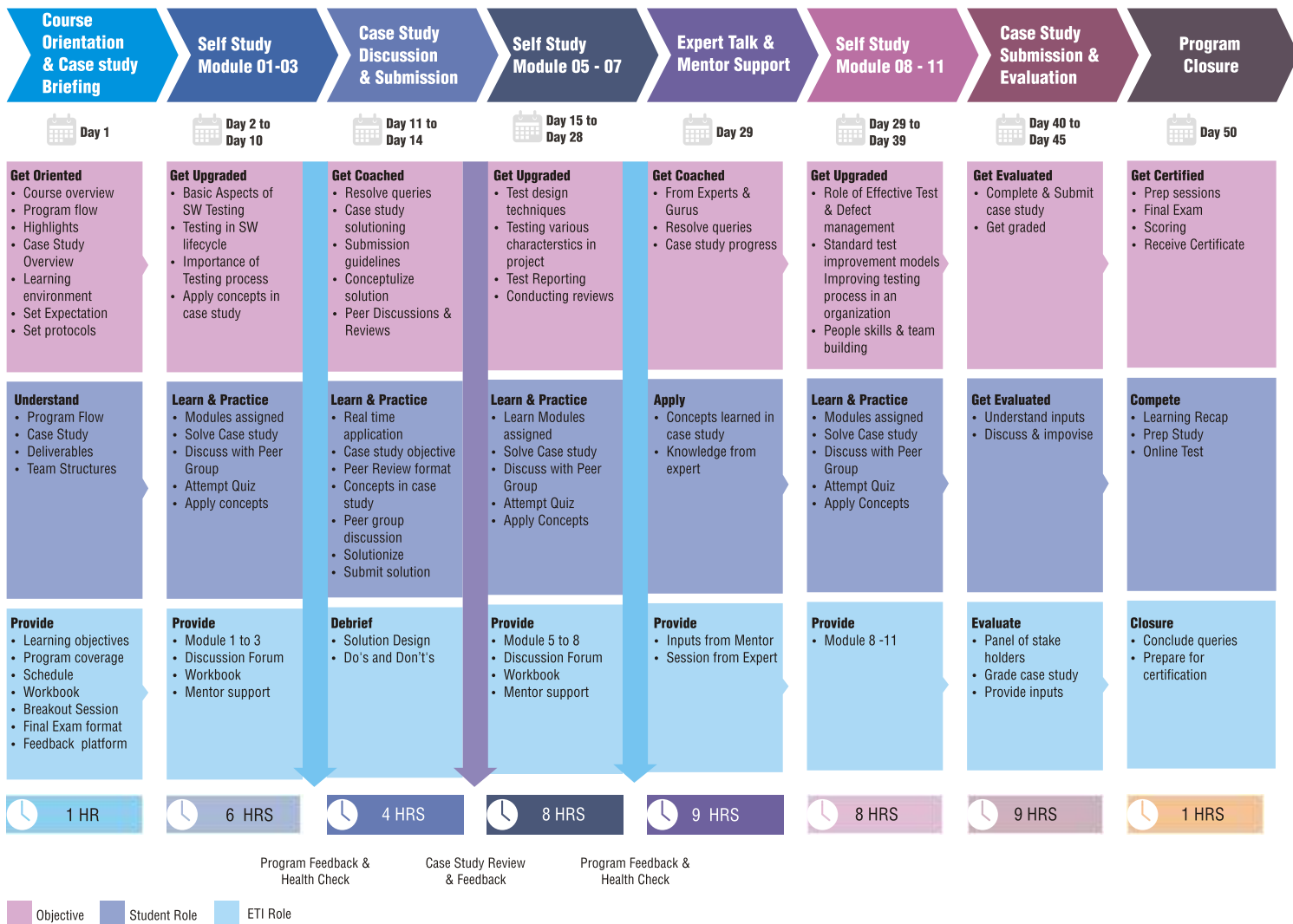- Test Analysts / Test Engineers

Program Flow

Course Orientation & Case study Briefing	Self Study Module 01-03	Case Study Discussion & Submission	Self Study Module 05 - 07	Expert Talk & Mentor Support	Self Study Module 08 - 11	Case Study Submission & Evaluation	Program Closure
Day 1	Day 2 to Day 10	Day 11 to Day 14	Day 15 to Day 28	Day 29	Day 29 to Day 39	Day 40 to Day 45	Day 50

Objective row

Get Oriented	Get Upgraded	Get Coached	Get Upgraded	Get Coached	Get Upgraded	Get Evaluated	Get Certified
• Course overview • Program flow • Highlights • Case Study Overview • Learning environment • Set Expectation • Set protocols	• Basic Aspects of SW Testing • Testing in SW lifecycle • Importance of Testing process • Apply concepts in case study	• Resolve queries • Case study solutioning • Submission guidelines • Conceptulize solution • Peer Discussions & Reviews	• Test design techniques • Testing various characterstics in project • Test Reporting • Conducting reviews	• From Experts & Gurus • Resolve queries • Case study progress	• Role of Effective Test & Defect management • Standard test improvement models Improving testing process in an organization • People skills & team building	• Complete & Submit case study • Get graded	• Prep sessions • Final Exam • Scoring • Receive Certificate

Student Role row

Understand	Learn & Practice	Learn & Practice	Learn & Practice	Apply	Learn & Practice	Get Evaluated	Compete
• Program Flow • Case Study • Deliverables • Team Structures	• Modules assigned • Solve Case study • Discuss with Peer Group • Attempt Quiz • Apply concepts	• Real time application • Case study objective • Peer Review format • Concepts in case study • Peer group discussion • Solutionize • Submit solution	• Learn Modules assigned • Solve Case study • Discuss with Peer Group • Attempt Quiz • Apply Concepts	• Concepts learned in case study • Knowledge from expert	• Modules assigned • Solve Case study • Discuss with Peer Group • Attempt Quiz • Apply Concepts	• Understand inputs • Discuss & impovise	• Learning Recap • Prep Study • Online Test

ETI Role row

Provide	Provide	Debrief	Provide	Provide	Provide	Evaluate	Closure
• Learning objectives • Program coverage • Schedule • Workbook • Breakout Session • Final Exam format • Feedback platform	• Module 1 to 3 • Discussion Forum • Workbook • Mentor support	• Solution Design • Do's and Don't's	• Module 5 to 8 • Discussion Forum • Workbook • Mentor support	• Inputs from Mentor • Session from Expert	• Module 8 -11	• Panel of stake holders • Grade case study • Provide inputs	• Conclude queries • Prepare for certification

1 HR	6 HRS	4 HRS	8 HRS	9 HRS	8 HRS	9 HRS	1 HR

Program Feedback & Health Check   Case Study Review & Feedback   Program Feedback & Health Check

Legend: Objective | Student Role | ETI Role

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Program Takeaways

- Well designed and structured courseware
- Training Workbooks
- 46 Learning Hours
- Comprehensive learning approach based on action learning.
- Case Study Orientation.
- 2 Months mentor support.
- 3 Months access to content.
- Support on assignments and case study.
- Online breakout sessions with peers and mentors.
- Online quiz with every module.
- Online final certification examination
- Certification by QAI Global

Program includes

- Recorded content of 10 modules
- Live Mentor Support
- Case Study
- Assignments
- Quizzes
- QAI Global Certification

Special incentives for Universities & Corporates on bulk purchases

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