QAI

SOA Web Services Testing

Virtual Learning Program

Overview

Service-oriented architecture is a way of designing and developing software 'services' that can be deployed and managed across an enterprise environment. It has the potential to deliver agility, flexibility and help reduce cost. As SOA begins to be the mainstay of IT infrastructure, actively and aggressively testing Web services has become crucial. Only by adopting a comprehensive testing approach that includes functional, performance, interoperability and vulnerability testing, enterprises can ensure that their SOA is robust, scalable, interoperable, and secure

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

Program Highlights

- Self paced Online Learning Program with 58 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 SOA Practitioners and Experts

Learning Objectives

This program primarily focuses on the following core objectives:

- Understand the SOA, its Principles and Benefits
- Understand WebServices and implementation model for SOA
  - Understand the key characteristics of WebServices
  - Explore different aspects of WSDL
- Understand XML concepts
- Understand paradigms needed for testing WebServices
- Explore different Test Strategies for SOA-based applications
- SOA Testing and Opensource Tools
- Understand functional, compliance and load testing of WebServices
- Learn bug-finding ideas in testing WebServices
- Learn to use SoapUI for Functional, Performance & Security testing

Program Coverage

Module 1 Introduction to Service Oriented Architecture
Module 2 XML Primer
Module 3 Understanding Web Services
Module 4 SOA and Web Services Testing
Module 5 Introduction to SoapUI
Module 6 Mocking Services in SoapUI
Module 7 Functional Testing in SoapUI
Module 8 Scripting in SoapUI
Module 9 Security Testing in SoapUI
Module 10 Performance Testing in SoapUI

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

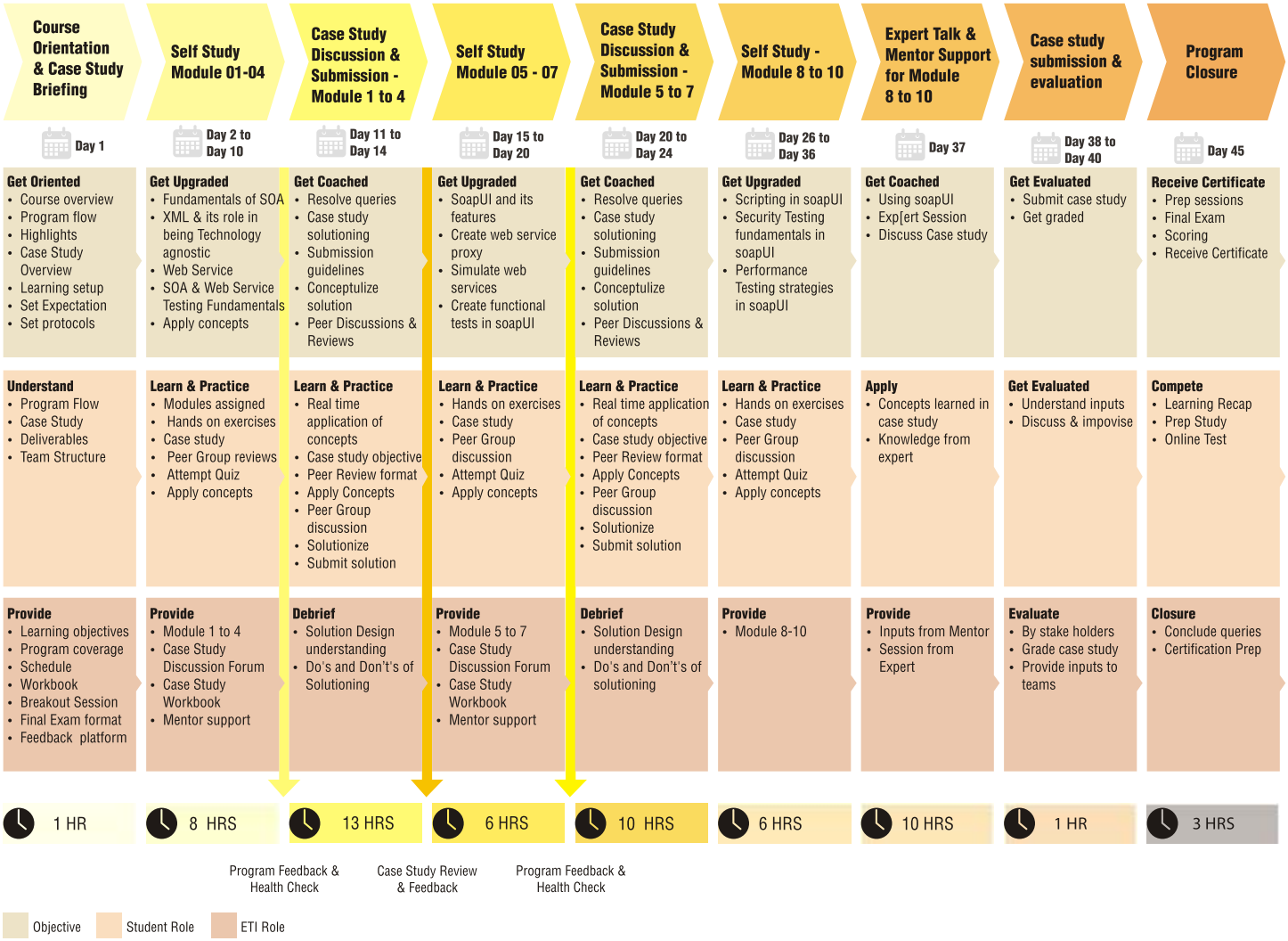
Edista Testing Institute

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.

Program Flow



Program Takeaways

- Well designed and structured courseware
- Training Workbooks
- 58 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

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