BUSINESS ANALYSIS/QUALITY ASSURANCE TRAINING

Course Description:

The IT Operations (Business Analysis/Quality Assurance) training course is a 13-week program that prepares students to understand, analyze and enhance the quality of technological products and services. Students will conduct hands-on exercises simulating real-world scenarios. Students will work on two projects parallel in two leading methodologies in the current market.

Weeks 1-6 will focus on Manual Testing; weeks 7-12 will focus on Automation; and week 13 is reserved for project work. From the very beginning, students will understand and apply the process of the software development life cycle. By the end of the course, students can easily integrate their knowledge into a collaborative working environment with peer programmers and business professionals.

Career Definitions:

A *Business Analyst*, or *Systems Analyst*, collects data about an organization's operations to improve its systems and processes. Their primary duties include researching business processes, making reports with recommendations to management and analyzing the potential impact of their recommendations.

A *Software Tester* is responsible for designing test scenarios for software usability, running these tests and preparing reports on the effectiveness and defects to the production team.

Full Course Description:

Course 1 - Introduction to BA and QA Concepts

- Introduction to SDLC
- Analyzing Business Requirements
- Understanding Methodologies
- Waterfall Methodology and Implementation
- Agile Methodology and Implementation
- Fundamentals of Software Testing
- Fundamentals of Test Design
- Manual Testing and Bug Reporting (JIRA, Rally, ALM)
- Introduction to Mobile Testing

- Introduction to Web Services Testing
- Understanding API and Web Testing Concepts
- Java and SQL Basics
- Automation - Selenium Java Framework

Course 2 - Project Work

Course includes hands-on experience on both class and live projects.

- Languages :
  - SQL
  - Java

- Tools :
  - JIRA
  - Rally or QTest
  - ALM
  - Selenium

Course Duration:

- 13 weeks
- 3 classes per week, 6 – 9 p.m.

Prerequisites:

Strong communication skills would prove to be valuable since this role often requires explaining advanced concepts to management and IT departments that they work closely with. Additionally, critical thinking skills and creativity will assist analysts in developing viable solutions to complex computer issues.

Who This Course is for:

- Individuals with a passion to enter the software testing field
- Beginners in the business analysis and quality assurance field

Required Material:

We will be using various software programs throughout this course. NOTE: Most of the downloads are for Windows-based machines only and will NOT work with Apple/MAC systems. You will need access to a Windows-based system. Additionally, you must have a working internet connection and email that you check every day.

Course Learning Outcomes:

- Business Analysis basics – learn what a Business Analyst is, what they do and how they do it
- Gain an overview of various modeling diagrams to help you recognize and understand project documentation
- Master the basic concepts of software testing
- Become an expert manual tester
- Gain knowledge of all aspects related to software testing
- Use real world practical examples, reports, documents that are used in IT companies
- Complete demo projects on writing test cases and defects using real world tools
- Understand details of all concepts, types and stages of testing (STLC)
- Understand Agile methodology as followed in industry today
- Learn JIRA tool (most in demand in industry) with project setup
- Understand automation concepts and framework explanation
- 100+ interview questions

About the Instructor:

Mr. Reddy has more than 10 years of experience in the IT industry. He has worked for Infosys, Cognizant, Accenture, Deloitte and Capgemini. He has taught more than 1,000 students using online and face-to-face models.