+302-207-0005
info@uiskills.com

QUALITY ASSURANCE:

Quality Assurance (QA) refers to the systematic activities implemented within a quality system to ensure that an organization delivers the highest possible standard of products or services to its customers. The primary focus of QA is on improving and standardizing processes to consistently produce quality outcomes.

Organizations must ensure that their processes are both efficient and effective, and that they adhere to the quality standards defined for their software products. Quality Assurance is commonly known as QA Testing, emphasizing its role in maintaining and enhancing product quality throughout the development lifecycle.

Complete Process of QA:

The Quality Assurance (QA) cycle consists of four key phases, each designed to ensure that products and processes meet established standards and expectations. These phases are as follows:

1. Plan

In this phase, the organization defines quality-related objectives and identifies the processes required to deliver a high-quality product. Clear planning establishes the foundation for consistent and measurable outcomes.

2. Do

This stage involves the development and execution of the planned processes. It includes performing testing activities, implementing procedures, and making adjustments as necessary to refine and optimize the processes.

+302-207-0005
info@uiskills.com

3. Check

During the Check phase, processes and outputs are monitored, reviewed, and evaluated to determine whether they meet predetermined objectives or requirements. Any deviations or inefficiencies are identified for corrective action.

4. Act

In the final phase, corrective and preventive actions are implemented to drive continuous improvement. The focus is on enhancing overall process performance and ensuring that quality objectives are consistently met.

Quality Assurance Functions:

- Technology transfer
- Validation
- Documentation
- Assuring Quality of products
- Quality improvement plans

Course Content:

Manual Testing

SDLC:

- What are the various periods of SDLC?
- How does the procedure of Programming Improvement Start?
- Project Initiation
- Requirement Social occasion and Analysis

+302-207-0005
info@uiskills.com

- What is Prerequisite report and what it contains?
- What is use case archive and what it contains?
- What is Fundamental way and Interchange Path?
- Role of Business Analyst
- Example for clarifying each phase
- Role of specialized determination team
- What is specialized determination document?

- What is Framework Design?
- Role of Structure team
- What is plan document?
- Role of design team
- System development
- Role of advancement team
- Deliverable of Advancement phase
- System testing
- Role of analyzers and sorts of testing
- User acknowledgment testing
- System deployment

+302-207-0005
info@uiskills.com

- System maintenance
- Events in the upkeep stage like bug fixes

STLC:

- How are the periods of STLC conveyed out?
- What is testing?
- Role of testers
- Why do we have to test?
- Activities engaged with the testing phase
- What is test plan and experiment document?
- Steps of experiment execution
- What tests case report contain?
- How to compose experiment document?
- What is required to test any application?

Test Cases:

- What is test case?
- What tests case record contain?
- How to compose experiment document?
- Different experiment techniques

+302-207-0005
info@uiskills.com

Test Plan:

- What is Test Plan?
- How to compose test plan document?
- What does the test plan report contain?
- Who composes and endorses the test plan document?
- How deal with the experiment documents?
- What is the pass/fall flat criterion?

Types of Testing:

- Different Periods of testing
- What is unit testing?
- What is least acknowledgment testing?
- What is mix, framework and framework incorporation testing?
- What is Client acknowledgment testing?
- What is Relapse Testing?

Defect Analysis:

- What is a defect?

+302-207-0005
info@uiskills.com

- Various Imperfection following tools
- How to utilize the imperfection following tools?
- How to enter the subtleties of imperfection in the deformity following tool?
- How to recognize a defect?
- What is seriousness and priority?

Traceability Matrix:

- What is Recognizability Matrix[TM]?
- Who Readies the TM document?
- What is the reference for composing TM?
- What is the utilization of TM?
- What is available in the TM document?
- Sample TM
- Tools utilized for creating TM
- Various Groups and their Roles
- Configuration The executives Team
- Role of arrangement the board team
- What is Deployment?
- Deployment Team
- Role of Organization team

+302-207-0005
info@uiskills.com

- Version Control
- Various rendition devices and its usage
- Difference among QC and QA
- What is mechanization testing?
- Why, what and when to automate?
- Various apparatuses utilized for computerization testing

Management Tool

Quality Center:

- Introduction to Quality Center
- What is Quality Center?
- Why to utilize Quality Center
- Version of Value Center
- Overview of value Center client interface
- Various tabs in Quality center
- Requirement Module
- Requirement Module Overview
- Creating Necessity tree
- Creating Guardian and Kid requirements

+302-207-0005
info@uiskills.com

- Understanding the Portrayal tab
- Understanding the History tab
- Uploading connections to requirement
- A look at different sections in requirement
- Types of perspectives in necessity module
- Requirement matrix view
- Requirement inclusion view
- Requirement coverage view
- Test Plan Module
- Creating folder structure
- Create test cases
- Requirement coverage
- Test Lab Module
- Overview of Test Lab
- Detail of various tabs
- Creating folders
- Creating Test sets
- Adding test cases
- Different columns in Execution Grid

+302-207-0005
info@uiskills.com

- Execution Flow tab
- Scheduling Test runs
- Test Set Properties tab
- Linked Defects tab
- Running Tests manually
- Running Tests automatically
- Viewing Test results
- Quality Center Defects
- Overview of Defects
- Creating defects after test execution
- Adding defects in defect module
- Creating defects during test execution
- Linking Defects
- How to close a defect
- Closing defects after retest
- Mailing the defects
- Quality Center reports & graphs
- Why Reports & Graphs?
- How to create reports & graphs for Analysis?

+302-207-0005
info@uiskills.com

Automation Testing

Quick Test Professional

Introduction to QTP:

- What is QTP
- Prepare Before Automation
- Application Under Test
- First look at Add-Ins for QTP
- Understanding the QTP User Interface
- Setting up preferences in QTP before recording.

Different versions of QTP (Text based):

- Difference between QTP 9.0 and QTP 8.2.
- Difference between QTP 9.2 and QTP 9.0
- Difference between QTP 9.5 and QTP 9.2.

Record and run a script:

- Record a simple script
- Save the script

+302-207-0005
info@uiskills.com

- Run the test script
- Understand the result

Introduction to Object Repository:

- What is Object Repository
- Types of Object Repository
- Object Repository Manager
- Associating shared Object Repository with test

Shared Object Repository:

- Local Object Repository
- Create a shared Object Repository
- Add objects to shared Object Repository
- Save an shared Object Repository
- Modify the shared Object Repository
- Comparing Local and Shared Object Repository

Synchronization:

- What is Synchronization

+302-207-0005
info@uiskills.com

- Synchronization in QTP
- Add Synchronization Steps for an Object

Check Point:

- What is Check Point
- Using Standard Check Point
- Using Text Check Point
- Using Access ability check point
- Using XML Check Point

Database checkpoint:

- What is database checkpoint
- Writing SQL Query using Microsoft Query
- Parameterize a database checkpoint

Output Values:

- What is Output value
- Using Standard Output value
- Using Text Output value

+302-207-0005
info@uiskills.com

- Using Database Output value
- Using XML Output value
- Data Driven Test
- What is Data Driven test
- What is Parameterization

Actions:

- Regular Expression

Our learning methods include:

- Comprehensive course selection of Instructor-Led Training
- Logistical convenience and interactive classroom experience of Online Training
- Flexible pacing and instructor-guided support of Mentored Learning
- Self-paced convenience of Online ANYTIME

In addition:

- Interview preparation with mock interview drills
- Effective resume building
- Process of applying jobs at the right places

+302-207-0005
info@uiskills.com

Reach us:

Call : + 320-207-0005

Email ID: info@uiskills.com

Website: www.uiskills.com