

AUTOMATION TESTING

COURSE CONTENT

**BEST ONLINE
REAL TIME
TESTING
TRAINING
PROGRAM**



Automation T



PROGRAM OFFERED

ADVANCE TESTING PROGRAM-AUTOMATION

100+ HOURS
IN ONLINE

REAL TIME
PROJECT
ASSIGNMENTS

SOFTWARE
TRAINING
COMPLETION
CERTIFICATION

10+ MOCK TEST
FOR PRACTISE

PROGRAM OVERVIEW

TOPIC COVERED

- INTRODUCTION TO AUTOMATION
- WHAT IS AUTOMATION TESTING
- ADVANTAGES OF AUTOMATION TESTING
- HOW TO LEARN ANY AUTOMATION TOOL AND TYPES OF
- AUTOMATION TOOLS
- INTRODUCTION TO SELENIUM
- WHAT IS SELENIUM
- USE OF SELENIUM
- FEATURES OF SELENIUM
- SELENIUM IDE
- SELENIUM RC
- SELENIUM GRID
- SELENIUM
- WEB DRIVER
-

INTRODUCTION TO AUTOMATION TESTING

- SELENIUM IDE
- CORE JAVA
- JAVASCRIPT
- SELENIUM RC
- ECLIPSE
- SELENIUM WEBDRIVER
- FRAMEWORKS (TESTNG)
- BASIC OF SQL

SELENIUM IDE

- SELENIUM OVERVIEW
- SELENIUM IDE INTRODUCTION
- DOWNLOADING AND INSTALLING SELENIUM IDE
- RECORDING AND RUNNING A SIMPLE TEST
- SELENIUM IDE – FEATURES

CORE JAVA CONCEPT

- BASICS OF JAVA
-
- JAVA - WHAT, WHERE AND WHY?
-
- HISTORY AND FEATURES OF JAVA
-
- INTERNALS OF JAVA PROGRAM
-
- DIFFERENCE BETWEEN JDK, JRE AND JVM
-
- INTERNAL DETAILS OF JVM
-
- VARIABLE AND DATA TYPE

OOPS CONECEPTS

- ADVANTAGE OF OOPS
- OBJECT AND CLASS
- METHOD OVERLOADING
- CONSTRUCTOR
- STATIC VARIABLE, METHOD AND BLOCK
- THIS KEYWORD
- INHERITANCE (IS-A)
- AGGREGATION AND COMPOSITION(HAS-A)
- METHOD OVERRIDING
- COVARIANT RETURN TYPE
- UPER KEYWORD
- FINAL KEYWORD
- RUNTIME POLYMORPHISM
- STATIC AND DYNAMIC BINDING
- ABSTRACT CLASS AND INTERFACE
- PACKAGE AND ACCESS MODIFIERS
- ENCAPSULATION
- OBJECT CLASS
- OBJECT CLONING
- JAVA ARRAY
- CALL BY VALUE AND CALL BY REFERENCE

STRING HANDLING

-
- STRING : WHAT AND WHY?
-
- IMMUTABLE STRING
-
- STRING COMPARISON
-
- STRING CONCATENATION
-
- SUBSTRING
-
- METHODS OF STRING CLASS
-
- STRINGBUFFER CLASS
-
- STRINGBUILDER CLASS
-
- CREATING IMMUTABLE CLASS
-
- TOSTRING METHOD

EXCEPTION HANDLING

- EXCEPTION HANDLING : WHAT AND WHY?
-
- TRY AND CATCH BLOCK
-
- MULTIPLE CATCH BLOCK
-
- FINALLY BLOCK
-
- THROW KEYWORD
-
- EXCEPTION PROPAGATION
-
- THROWS KEYWORD
-
- JDBC-DATABASE
-
- CONNECTION CODE

SELENIUM WITH FIREFOX BROWSER

- INTRODUCTION TO FIREBUG AND FIREPATH
- DOWNLOADING AND INSTALLING OF FIREBUG
- DOWNLOADING AND INSTALLING OF FIREPATH
- HOW TO IDENTIFY THE XPATH FOR AN PARTICULAR
- ELEMENT USING FIREBUG AND FIREPATH

SELENIUM RC

- INSTALLING SELENIUM RC
- SELENIUM RC OVERVIEW

HOW TO USE TESTNG AND JUNIT IN SELENIUM

- INTRODUCTION TO TESTNG
- WHY TESTNG
- SETTING UP TESTNG
- WORKING WITH TESTNG
- ADVANTAGES OF TESTNG OVER JUNIT
- EXPLORING TESTNG FEATURES
- HOW TO USE TESTNG ANNOTATIONS
- TESTNG EXECUTION REPORT
- TESTNG REPORTING FEATURES

SELENIUM GRID

- OVERVIEW OF SELENIUM GRID
- INTRODUCTION SELENIUM GRID
- ADVANTAGES OF SELENIUM GRID

SELENIUM WEB DRIVER

- INTRODUCTION TO SELENIUM
- ARCHITECTURE OF WEB DRIVER
- ACHIEVEMENTS OF WEB DRIVERS
- INSTALLATION / CONFIGURING ECLIPSE FOR WEB
- DRIVER
- IDENTIFYING THE ELEMENTS IN WEB DRIVER USING
- ID, NAME, XPATH ETC.

- IDENTIFYING THE ELEMENTS IN WEB DRIVER USING
- ID, NAME, XPATH ETC
- WORKING WITH DIFFERENT DRIVERS LIKE FIREFOX
- DRIVER, CHROME DRIVER ETC.
- CREATING THE SCRIPTS IN WEB DRIVER
- CREATING THE SCRIPTS BY USING FUNCTIONS
- WEB DRIVER COMMANDS WITH EXAMPLES
- WORKING WITH EXCEL SHEETS USING WEB DRIVER
- WEB DRIVER WITH TESTNG / JUNIT
- INJECT JAVASCRIPT CODE IN WEBDRIVER
- DIFFERENT VERSIONS OF JAR FILES.



AUTOMATION FRAMEWORK

- WHAT IS FRAMEWORK
- TYPES OF FRAMEWORKS
- WHAT IS DATA DRIVEN FRAMEWORK
- WHAT IS KEYWORD DRIVEN FRAMEWORK
- WHAT IS HYBRID FRAMEWORK
- HOW TO DEVELOP THE FRAMEWORK
- HOW TO EXECUTE THE SCRIPTS USING FRAMEWORK

SQL

- BASIC QUARIES
- HOW TO QUERY DATA USING WHERE CLAUSE IN MYSQL
- HOW TO USE INSERT INTO IN MYSQL
- HOW TO DELETE & UPDATE DATA IN MYSQL

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