LiveTech was founded in 2004 by IT industry professionals to impart quality training and carve a niche in the IT training industry. LiveTech has successfully skilled 100000+ professionals in Software Testing and Development Domain. LiveTech is involved in training on Software Courses for over 21+ years. LiveTech is a leader in creating not only skilled professionals but also enhance their Employability through real time project implementation Training in Software Testing and Development. The programs are designed by Industry experts and backed by certifications recognized globally in I.T Solutions.

Full Stack Testing Tools Content

Module 1 : Manual Testing
Module 2 : SQL for Database Testing
Module 3 : Core Java
Module 4 : Selenium (Test Automation)
Module 5 : API Testing

Module 2 : SQL for Database Testing

- SQL introduction
- SQL Datatypes
- DDL SQL statements
- Create, Drop, Rename tables
- DML SQL statements
- Insert,update,delete data
- DQL SQL statements
- Select data
- Constraints
  - Primary key
  - Foreign key
  - Unique Key
- Arithmetic Operators
- Comparison operators
- Logical operators
- Order by clause
- Limit clause

- Functions
- Max function
- Min function
- Average function
- Group by clause
- Having clause
- SQL Joins
  - Left Join
  - Right Join
  - Inner Join
  - Outer Join
- Like
- Index
- Views
- Transaction control statements
- Commit
- Rollback

Automation Testing (Selenium)

Module 3: Core Java

- **Language Fundamentals:**
  - History and Features of Java
  - Class, Method, and Object
  - Variables and Data Types
- **Strings:**
- **Operators:**
  - Arithmetic Operator
  - Unary Operator
  - Relational Operator
  - Conditional Operator
  - Assignment Operator
- **Conditional Statements:**
  - Decision Making Statement
  - Loops Statements
  - Jump Statements
- **Decision Making Statement:**
  - If, If-else, if else If, nested If
  - Switch Statement
- **Loop Statements:**
  - While, Do-While, for and for each
- **jump Statements:**
  - Break, Continue and Return Keyword

- **Arrays:**
  - Single Dimensional Array
  - Multidimensional Array
  - Object Array
  - Array List
- **User Defined Methods:**
- **Java Access Modifiers:**
  - Public, Private & Protected
  - Default
- **Oops Concepts:**
  - Class & Object
  - Inheritance & Polymorphism
  - Abstraction & Encapsulation
- **Constructors:**
  - Implicit Constructor
  - Explicit Constructor
  - Default Constructor
- **Collection Framework:**
  - Collection<interface>
  - Map<interface>
- **Exception Handling:**
  - Introduction to Exception Handling.
  - Usage of Try, Catch & Finally

Module 4: Selenium:

- **Introduction to Automation Testing:**
  - Introduction to Selenium
  - Components of Selenium
  - Downloading Selenium Server
  - Configuring Selenium to Project
- **Automating Browsers**
  - Chrome- & Firefox
  - Edge &- I.E and Safari . . . etc

- **Working with Browsers**
- **Browser Interaction Commands**
- **Locators**
  - Locators in WebDriver
  - Methods in WebDriver
  - Common Operations in WebDriver
  - Examples to Work with Locators
- **Validating an application**
  - Equals & Equal Ignore Case
  - Contains

- **Working on Edit Box/Text Box**

  - To enter text in Text Box
  - Edit the text in Text Box

- **Visibility of WebElement**

  - Is Enabled & Is Displayed, Is Selected

- **Working with Mouse Hover Actions**
  - Mouse Over Operations
  - Drag and Drop Operations

- **Working with Radio Buttons**
- **Working with Drop Down Buttons**

  - Single Selection Dropdown
  - Multi Selection Dropdown

- **Working with Frames**

  - To Enter the Frame & To Exit the Frame

- **Working with Alerts**
  - Simple, Conformation & Prompt Alert

- **Working with Keyboard Handling**

  - Keyboard Key Presses
  - Select, Copy & Paste the Text

- **Working with Tab Handling**

  - Using get Window Handle &
  get Window Handles methods

- **Working with Scroll Operations**

  - JavaScript Executor
  - Vertical Scroll Operations
  - Horizontal Scroll Operations

- **Working with Properties File**
- **Capturing Screenshots in WebDriver**

  - Capture Screenshot as Full Page
  - Capture Screenshot of Section of Page
  - Capture Screenshot of Element on a page

- **Working with Excel Operations**

  - Apache POI
  - Configuring Apache POI to the Project
  - Excel Read Operations
    (Reading Data from Excel Sheet)
  - Excel Write Operations
    (Writing Data from Excel Sheet)

- **Log4j**

  - Introduction to Log4j
  - Configuring Log4j to the Project
  - Maintaining TestResult Logs with
    TimeStamps

- **Wait Methods/Synchronization**

  - Java Wait & Fluent Wait
  - Implicit Wait & Explicit Wait

- **Handling Cookies in WebDriver**

  - Capture all the cookies
  - Get the size of the Cookies
  - Printed Cookies names and their Values
  - Printed Cookies based on name
  - Add Cookies to the Browser
  - Delete Specific / all the Cookies

- **TestNG Framework**

  - Configuring TestNG to Eclipse
  - Advantages of TestNG
  - Annotations in TestNG
  - Prioritizing Test Cases
  - Ignoring Test Cases
  - Serial Execution using TestNG
  - Parallel Execution using TestNG

- **Maven Project Creation**
- **Frameworks**
  - Modular Framework
  - POM Framework
  - Data Driven Framework
  - Cucumber Framework
  - Hybrid Framework

- **Selenium Grid**

- **Auto IT** (Handling Window Components)
  - Installing Auto IT & Integrating Auto IT
  - File Upload & File Download Using Auto IT

- **Manual Testing Exam**
- **Automation Testing Exam**
- **Mock Interview**

Module 5: API Testing

- **Introduction to API Testing & Postman**
  - Introduction to API testing and its significance
  - Overview of Postman and its features
  - Installation and setup of Postman

- **Building API Test Suites with Postman**

- **Introduction to API Automation Testing**
- **Building API Test Framework**
- **Request Specification and Response Validation**
- **Test Execution and Reporting**

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Manual Test Engineer

Selenium Testing
Automation Test Engineer

TOSCA
TOSCA Test Engineer

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API Test Engineer

Performance Testing
LoadRunner & JMeter

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Full Stack Java
Full Stack Java

Core Java
Core Java

Adv Java & Frameworks
Adv Java & Frameworks

Full Stack Python
Full Stack Python

Python Programming
Python Programming

DJANGO & Frameworks
DJANGO & Frameworks

Advanced Programs

DevOps
DevOps Engineer

Data science with AI
Data science with AI

Data Analytics
Data Analytics

Selenium with C#
Selenium with C#

Playwright Automation
Playwright Automation

Python with Selenium
Python with Selenium

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