TECHDRILLS
IT SOLUTIONS & TUNE-UP

"

Almost all quality improvement comes via simplification of design, manufacturing... layout, processes, and procedures

Creative
Systems

TechDrills is one-stop solution for all those looking for training and learning programmes for an IT industry.

About
Company

We started TechDrills with a dream to become like Disney to software industry in terms of Customer Focus and Training hub of technologies for tech seekers in early 2019.

Being professionally managed and independently handled, our company has very well managed to join hands with the industry giants and has successfully created strategic business alliances with some of finest and world famous names and service providers.

Contact Us

Looking forward to start your career in Testing domain, we are the solution

www.techdrills.in

+91 726 304 1604

J. P. Nagar, Bengaluru Karnataka

Software Testing
Manual & Automation

techdrills20@gmail.com

www.linkedin.com/in/techdrills

www.instagram.com/techdrills

TECHDRILLS
IT SOLUTIONS & TUNE-UP

The Best
Team Work

About Trainer

With real time experience

Having 5+ years of real time experience in IT industry with Manual, Automation, API, Database and other Testing types.

01. We believe to provide our students the Best interactive experience as part of their learning

Learn end to end course content that is similar to instructor led virtual or classroom training. **02.**

03. Level up your company with expert-curated Course Collections give your employees.

All Our
Services

- Software Testing Training
- Selenium Automation Training
- Manual Testing Training
- Selenium Project Testing Training
- Manual Project Testing Training
- Performance Testing Training
- API Web Services Testing Training
- Database & ETL Testing Training

Providing the best solution by prioritizing the best quality.

Why to choose us?

- Training by IT industry experts
- Complete Hands ON
- JOB Oriented Syllabus
- Customize Notes on ALL Topics
- Live Projects from IT experts
- In Depth Interview Preparation
- Resume Preparation
- 100% JOB Assistance

Manual Testing Course Content

Software Testing Concepts

1. Software Testing Introduction
2. Software Development Life Cycle (SDLC)
3. Software Development models
4. Static Testing, Reviews & Walkthroughs
5. White Box Testing
6. Unit Testing & Integration Testing
7. Black Box Testing
8. System Testing
9. User Acceptance Testing
10. Alpha Testing & Beta Testing
11. Functional Testing Types
12. Smoke Testing / Sanity Testing
13. Formal Testing
14. Ad-hoc Testing
15. Re-Testing
16. Regression Testing
17. System Integration Testing
18. End-to-End Testing
19. Exploratory Testing
20. Monkey Testing
21. Non-Functional Testing Types
22. UI Testing
23. Usability Testing
24. Security Testing
25. Compatibility Testing
26. Load Testing
27. Performance Testing
28. Globalization Testing
29. Localization Testing
30. Recovery Testing

Manual Testing Concepts

1. Software Testing Life Cycle (STLC)
2. What is STLC?
3. STLC Phases
4. Test Plan
5. Test Analysis
6. Analyzing Functional Req. SRS/FRS
7. Test Design
8. Preparing Test Scenarios
9. Preparing Test Cases
10. Preparing Test Data
11. RCN & RTM
12. Test Case Execution
13. Defect Reporting
14. Defect Severity & Defect Priority
15. Defect / Bug Life Cycle
16. Defect Management
17. Test Closure

Agile Testing Concepts

1. What is Agile Testing?
2. Scrum Introduction
3. Getting Agile with Scrum
4. Scrum Approach
5. Release Planning
6. Sprint Planning
7. Product backlog
8. Concept of Epics
9. Writing Epics – Examples
10. Concept of User Stories

API Testing

1. What is an API?
2. What is API Testing?
3. URI and URL
4. Introduction to POSTMAN tool
5. Creating requests in Postman
6. Creating collections in Postman
7. Postman Variables & environments
8. Authorization in POSTMAN
9. Tests scripts in POSTMAN
10. Approach of API Testing
11. Challenges of API Testing
12. What to test for in API testing
13. HTTP methods
14. Status codes
15. Example APIs

Testing Tool - JIRA

1. JIRA Introduction & Features
2. Creating Scrum Project in JIRA
3. JIRA Issue types
4. Workflow for a Project
5. Creating User Stories in JIRA
6. Starting Sprint
7. Writing Test Cases in JIRA
8. Executing Test Cases from JIRA
9. Adding Bugs to the JIRA Project
10. Attach proof of defects in JIRA

Automation Testing Course Content

JAVA Programming

1. Why Java for Selenium
2. Installing Java
3. Installing Eclipse
4. Creating Java Project
5. First Java program
6. Concept of class file
7. Datatypes in Java
8. String class and functions
9. Conditional Statements
10. Loops
11. Arrays
12. Operators
13. What are Functions?
14. Function Input Parameters
15. Function Return Types
16. Local and Global Variables
17. Static and Non-Static Variables
18. Static and Non-Static Functions
19. Creating Objects in Java
20. Meaning of static
21. Why main method static?
22. Overloading and Overriding Functions
23. Access Modifiers
24. Constructors
25. Interface
26. Usage of Objects in Selenium
27. Inheritance
28. Usage of Inheritance in Selenium
29. Creating Packages
30. Accessing Classes across Packages

JAVA Exception Handling

1. Exception handing- try catch block
2. Importance of exception handling
3. Exception and Error
4. Throwable Class
5. Final and Finally
6. Throw and Throws
7. Different Types of Exceptions
8. Exception handling in Automation

Basics of Selenium

1. Introduction to Selenium

1. What is Selenium?
2. Who developed Selenium?
3. Selenium Components
4. Introduction to WebDriver
5. Installing Selenium WebDriver
6. Architecture of Selenium WebDriver
7. Creating your First Script in WebDriver

2. Launching AUT & Elements Inspection

1. Launching AUT in Internet Explorer
2. Launching AUT in Firefox
3. Launching AUT in Chrome
4. Launching AUT in Edge
5. Launching Browsers Parallelly
6. Understanding on Dev Tool
7. Understanding on HTML DOM
8. Inspecting properties of Elements
9. Creating Firefox Profile

Basics of Selenium

3. Finding elements using Locators

1. Using ID
2. Using Name
3. Using Class Name
4. Using xPath
5. Using Link Text
6. Using Tag Name
7. Using CSS Selector

4. Customize XPath/CSS Selectors

1. What is XPath
2. When to Use XPath
3. Absolute XPath/Relative XPath
4. Specifying conditions with XPath
5. CSS Selectors

5. Automating Web Elements Operations

1. Browser
2. Textbox
3. List Box
4. Links
5. Check Box
6. Radio Button
7. HTML Tables
8. Calendars

TECHDRILLS
</> IT SOLUTIONS & TUNE-UP

Automation Testing Course Content

Basics of Selenium

6. Keyboard & Mouse Events Automation
1. Action Class
2. Keyboard Events
3. Drag & Drop Actions
4. Mouse Hover Action
5. Send Keys using Action Class
6. Right Click, Double Click & Tool Tip

7. Browser's Alert handeling
1. Get the text from alert box
2. Send the text on alert box
3. Accept the alert box
4. Cancel the alert box

7. Multiple Window/Tab handeling
1. Multiple Window Handeling
2. Switching in Windows/Tab
3. Reading Window/Tab ID
4. Handel elements Present in Window/Tab

8. Handeling Synchronization
1. Implicit Wait
2. Explicit Wait
3. Page Load Timeout
4. Static Wait
5. WebDriver Wait
6. Fluent Wait

Advances of Selenium

1. TestNG Framework
1. Advantages of TestNG over JUnit
2. Why do we need TestNG in Selenium?
3. Installing TestNG in Eclipse
4. Creating a New TestNG Test File
5. TestNG annotations
6. TestNG assertions
7. Running the TestNG Test
8. Checking reports created by TestNG
9. Creating multiple Tests
10. Prioritizing Tests
11. Parameterize Tests with @dataProvider
12. TestNG Data Provider with Excel
13. Create & Run Test Suites with TestNG
14. Sequential Test Execution with TestNG
15. Parallel Test Execution with TestNG

2. Data Driven Framework
1. Creating/Opening Excel Files
2. Reading data from Excel Sheet
3. Writing data into Excel Sheet
4. Counting Rows and Columns
5. Creating Excel Utility Class.
6. Configure Apache POI jar files
7. Configure Excel & TestNG in Eclipse
8. Preparing Test Data.
9. Preparing Data using Data Provider
10. Executing Data Driven Tests
11. Analyzing Test Results

Advances of Selenium

3. Page Object Model
1. Creating Test Base class
2. Creating Page Classes
3. Defining Elements in Page Class
4. Defining Functions
5. Creating Test Case Classes
6. Executing POM Test Cases

4. Selenium Grid
1. What is Selenium Grid?
2. When to Use Selenium Grid?
3. What is a Hub and Node?
4. How to Install and Use Grid
5. Designing Test That Can Run on the Grid
6. Using the Desired Capabilities Object
7. Using the Remote WebDriver Object
8. Running a Sample Test Case on the Grid
9. Sequential and Parallel Test Execution
10. Running Tests on different Browser

5. Maven Project & Build
1. What is Maven and Why Maven?
2. Installing/Configuring Maven
3. Creating Maven Project
4. Importing Maven Project into Eclipse
5. What is POM.xml?
6. Adding Dependencies to POM.xml

TECHDRILLS
</> IT SOLUTIONS & TUNE-UP

Powered By

Thank You!

We Provide Robust Services and Trainings in IT industry. Please feel free to reach out, we are happy to assist you!

TECHDRILLS20@GMAIL.COM   +91 7263041604   TECHDRILLS.IN