

SELENIUM WITH JAVA TRAINING

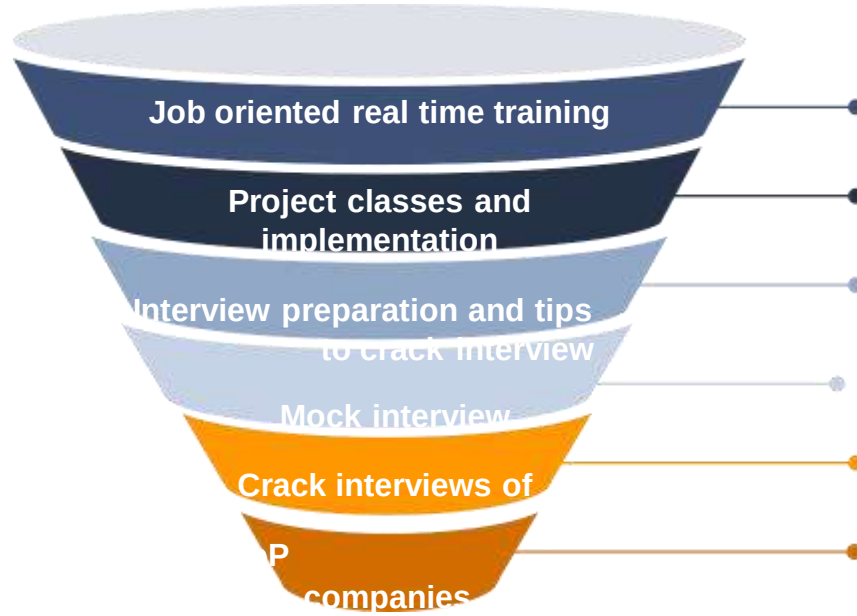
100% placement assurance ☆

SUPPORT JOB SEEKERS IN CAREER CHANGE AND UPSKILL
PROGRAM

We work with job seekers to meet them exactly where they are by offering personalized, customized support to meet their needs while assisting them in navigating their next career opportunity. Faced with the current realities of an ever-changing workforce, we believe our placement services must meet individuals exactly where they are. Our customized and personalized Training and Placement programs offers better career in **SELENIUM**.



PLACEMENT PROCESS



MODE OF TRAINING

- Classroom Training
- Online Instructor-Led Live Training
- Online Self-paced training sessions

SELENIUM with Java

SYLLABUS

COURSE OBJECTIVES

- ❖ Introduction
- ❖ Discussion on Course objectives & expected outcomes
- ❖ Course structure and topics walkthrough

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SYLLABUS

TOPIC 1: CORE JAVA PROGRAMMING

- ❖ Introduction to Java, History of Java, Comparison with C and C++, Features of Java, JDK, JRE, JVM overview, JDK Directory Structure
- ❖ Download and install JDK/JRE, Set Environment variables, Basic Java Program through command prompt
- ❖ Download Eclipse IDE, Coding standards followed in Eclipse, Naming standards followed in Eclipse, Features of Eclipse IDE

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TOPIC 1: CORE JAVA PROGRAMMING

- ❖ Introduction to packages, Need for packages, package declaration in Java, Import statement in Java, static import in java, Resolving name clashes in packages
- ❖ Defining a class with instance variable and method in Java, Defining a class with variable in Java
- ❖ Data types and operators in Java, type conversion

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TOPIC 1: CORE JAVA PROGRAMMING

- ❖ Role of access modifiers, Private access modifier, Role of private constructor, Default,
❖ Protected and Public access modifier, Access Modifier with Method Overriding
Constructor, Default constructor, Parameterised constructor, Difference between Constructor and Method, this and super method, constructor overloading
- ❖ OOPs concepts in Java - Encapsulation, Polymorphism

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TOPIC 1: CORE JAVA PROGRAMMING

- ❖ OOPs concepts in Java – Abstraction , Inheritance
- ❖ Static variables, static block and static methods
❖ Arrays in Java, Declaration, instantiation, initialization of Java Array, Single dimensional Array, Multi-dimensional Array
- ❖ String in Java, Manipulation of String

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TOPIC 1: CORE JAVA PROGRAMMING

- ❖ Conditional Control Statements (If statement, If-else statement, If-else-if statement, Switch statement, String in switch case)
- ❖ Looping Control Statements (For loop, While loop, Do-while loop, Unconditional Control Statements, break ,return , continue statement)
- ❖ Collections & Map in Java - Data structures in Java

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TOPIC 1: CORE JAVA PROGRAMMING

- ❖ Exception handling, Threads in Java, Multi threading
- ❖ File operations , Date and Time handling in Java



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TOPIC 2: Software testing concepts

- ❖ Introduction to software Engineering, SDLC
- ❖ Overview of software testing, types of software testing
- ❖ Overview of software testing, types of software testing
- ❖ Software testing life cycle, Defect life cycle
- ❖ Test Artifacts, Test efforts Estimation
- ❖ Agile software development, Devops process, Teams and culture

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TOPIC 3: Automation Testing using Selenium

- ❖ Introduction to automation testing, Different types of tools and techniques
- ❖ Selenium Introduction - Types of test Applications and Methods, Selenium Introduction, Components, Advantages of Selenium
 - Selenium Components - IDE, Web driver, Grid - When to use what ?
 - Introduction to Maven, POM.xml
 - Selenium, Testing installation - Hello world program

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TOPIC 3: Automation Testing using Selenium

- ❖ Testing options, reports, surefire plugin to execute as maven test
- ❖ Web driver options/capabilities
- ❖ Understanding HTML elements, Various properties of web element, how to write x-path
- ❖ Selenium core functions, Waits in Selenium
- ❖ Keyboard and mouse actions in Selenium
- ❖ Handling windows, alerts and frames using selenium

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TOPIC 3: Automation Testing using Selenium

- ❖ Working with web tables, working with dynamic x path, Auto IT
- ❖ Handling excel sheets with Apache POI
- ❖ Page object model and Page factory in Selenium
- ❖ Introduction to automation framework, types of framework, components of automation framework
- ❖ Data driven and keyword driven framework
- ❖ Hybrid framework structure

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TOPIC 3: Automation Testing using Selenium

- ❖ Introduction to Cucumber and Gherkin test cases
- ❖ Implement a test case using Cucumber BDD framework, hooks, report
- ❖ Parallel and Remote execution with Selenium Grid
- ❖ Best practices to be followed in test automation
- ❖ Scheduler, mail, JIRA integration

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TOPIC 4: Other supporting tools/concepts

- ❖ SQL, OJDBC
- ❖ Introduction to Git, Using Bit bucket as version control tool
- ❖ Overview of JIRA
- ❖ Different type of files - Handling XML, Json, CSV and Excel sheets in automation
- ❖ Desktop, API and Mobile automation testing
- ❖ Resume preparation
- ❖ Check for Understanding - Assessments/Real time project evaluation & Mock interviews

- **Customized support addressing your needs**
- **Personalized approach consulting, planning and support**
- **Personalized career counseling**
- **Goal setting and establishing a rear roadmap**
- **Focused on Emerging Technologies**
- **Technical Skills and personality screening**
- **In-depth review of a jobseeker's existing resume and creation of a customized new powerful resume.**
- **Establish an online presence in your job search with the latest channels.**
- **Networking, salary and negotiation strategies.**
- **Interviewing techniques and support**
- **Domestic and Global Placements**
- **Interview and Job Support**
- **Technical support after placement**
- **On-site assistance**
- **Re-deployment support**



Why

Trendnologies ?

- 10+ years of delivering exceptional service to candidates in Training and placements.
- Fast Track Placement in 30 days.
- 100% Placement assurance.
- Managed by IT Experts as Trainers
- Customized support addressing your needs.
- Personalized approach / dedicated attention.
- Personalized career counselling.
- Personalized consulting, planning and support.
- Job oriented theoretical & Practical Classes.
- More focus on hands-on and use cases.
- Focused on case studies and Real-time projects.
- Complete end to end training soft material.
- Guidance for Resume preparation and interview preparation.
- Selenium training along with Career guidance and Certification guidance.
- Comprehensive career solutions across India, USA, UK and UAE.

Check for Understanding - Activity / Practice / Quiz / Assessment

BRANCHES - CHENNAI

Annanagar Branch I

F22, 2C & 2D, Second floor,
Second Main Road,
Annanagar East,
Chennai - 600102
86819 62962

Medavakkam Branch

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Second Floor,
Anna Street,
Medavakkam.
Chennai – 600100
84288 88962

Annanagar Branch II

New no. 83, Old no. M-9-B, M
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Near K4 Roundtana,
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Placement Division

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91763 62962

BRANCHES - COIMBATORE

Coimbatore Branch I

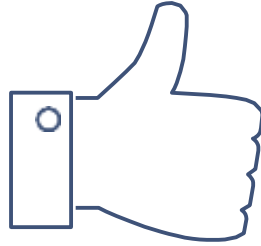
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THANKS!

Visit our website for more
details: WWW.TRENDNOLOGIES.COM