

SOFTWARE TESTING/ SELENIUM

Certification Training



REFER & EARN



Scan the QR Code for
E-CAP Registration

or click the link below

<https://bit.ly/ECAPReg>



A Word from the CEO



Whether you are looking for a pay raise, or a career transition, or a new job for the matter, upskilling is an unceasing necessity. As a training provider, we understand that this need constantly evolves with time and technological revolution, and we tailor courses accordingly. We believe that complete learning is a blend of theory and practice. Hence, the post-training support that we offer for your assignments and projects makes us stand apart from our counterparts.

“ Our mission is to accompany people in their journey to excellence and empower them to realize their dream career. ”

Our Greatest ACHIEVEMENTS



Best Training Institute by
SiliconIndia on Analytics 2015



Top 20 Most Promising
PMP Training Institutes in India 2018



Top 20 Most Promising
Business Intelligence(BI) Solution
Provider Companies.



4.8 Stars on Google Reviews
for our Training and Support.



We're a Deloitte Technology Fast 50 India Winner



We are recognized as the Fastest Growing Technology Company in the Deloitte Technology Fast 50 India Award Ceremony held annually.

The achievement marks an incredible milestone in ExcelR's history with a staggering average growth rate of 196% in three years for our transformation into a global company.

It is a clear reflection of our true dedication toward "Raising Excellence" and demonstrating the company's professionalism. Our top priority is to provide unparalleled training and consulting to students and professionals in India and abroad so they are able to shape their future in the right direction.

On the heels of this good news, we are determined to be more committed than ever to create a state-of-the-art platform for all of you to succeed in your career and come out with flying colors.

We're Also a Partner of FutureSkills Prime, A MeitY-NASSCOM® Digital Skilling Initiative

We have successfully collaborated with FutureSkills Prime, a first-of-its-kind partnership between MeitY and NASSCOM aimed at building a digital skilling ecosystem and making India a global digital talent in emerging technologies.

The collaboration will facilitate continuous learning and knowledge enhancement of graduates and working professionals with regard to their aspirations and aptitude, thereby promoting their employability quotient.

We're proud to share and contribute to the national intent and we will continue to play a significant role in the digital upskilling revolution in the years to come.



Course Overview

Software/ Selenium Testing with Java is an extensive **100-hour course** designed for freshers and working professionals to learn, practice, and master software testing using the Selenium tool.

The comprehensive training modules gradually take you through **manual testing, the various automation frameworks, API testing**, and their best practices. You'll gain hands-on experience in controlling an automation environment using **Eclipse IDE, IntelliJ, Java, Python, WebDriver, TestNG, Maven, Git, DevOps Tools, and Jenkins**.

Peruse our course highlights and detailed curriculum to know why you should embark on your learning journey with us right away!



What is Software Testing / Selenium Testing?

As software development processes work on significantly shorter timelines, shipping bug-free releases is a real challenge. Cutting down on countless human hours spent on repeated testing of web applications, software testing is indeed a boon to organizations.

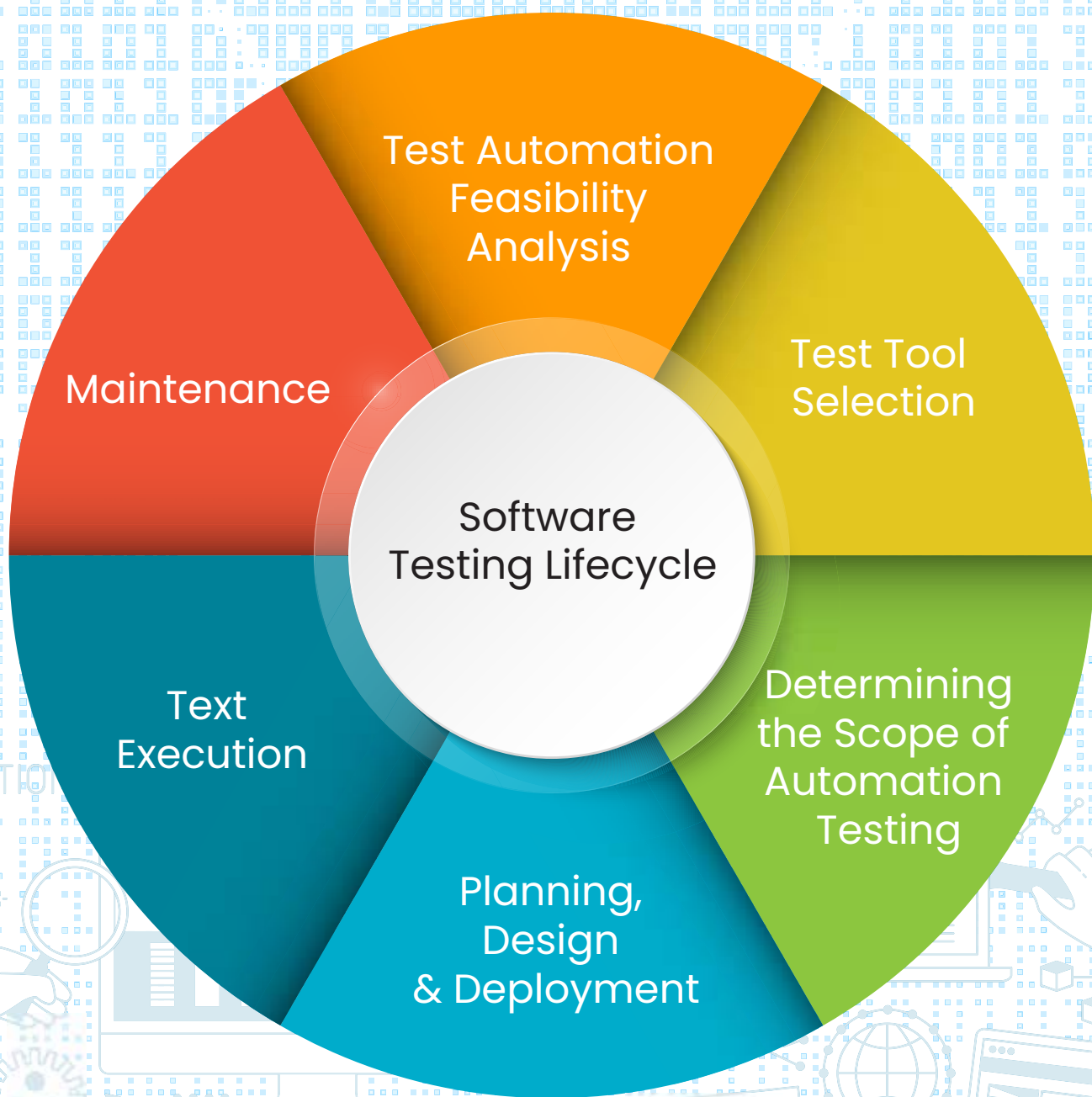
**Studies reveal that 88% of organizations that have automated more than 50 percent of their tests experience faster testing cycles than those that rely on manual testing, resulting in faster product delivery.*

Source: InfoWorld





Software Testing Lifecycle with Selenium:



Why Should You Invest in the Software Testing Course?

Companies using
Selenium

55,141+

Job vacancies
in India

83,071+

Avg. Software Test Engineer
(Selenium) Salary

2.8LPA to 5LPA**
(0-2 years Experience)

Job Satisfaction

65%

Job Growth

17.5%
for freshers

Source(s):

**onlyft.com, Naukri, Marketsandmarkets,
AmbitionBox, Glassdoor**

****Note :** This offer is valid only when you satisfy
all the criteria of the training and placement process.
Final Package depends on the interview performance.



Top Companies Hiring Software Test Engineers

amazon

Deloitte.

virtusa[®]
Accelerating Business Outcomes

genpact

IBM

amdocs

J.P.Morgan

accenture

Infosys

wipro

publicis
sapient

HCL

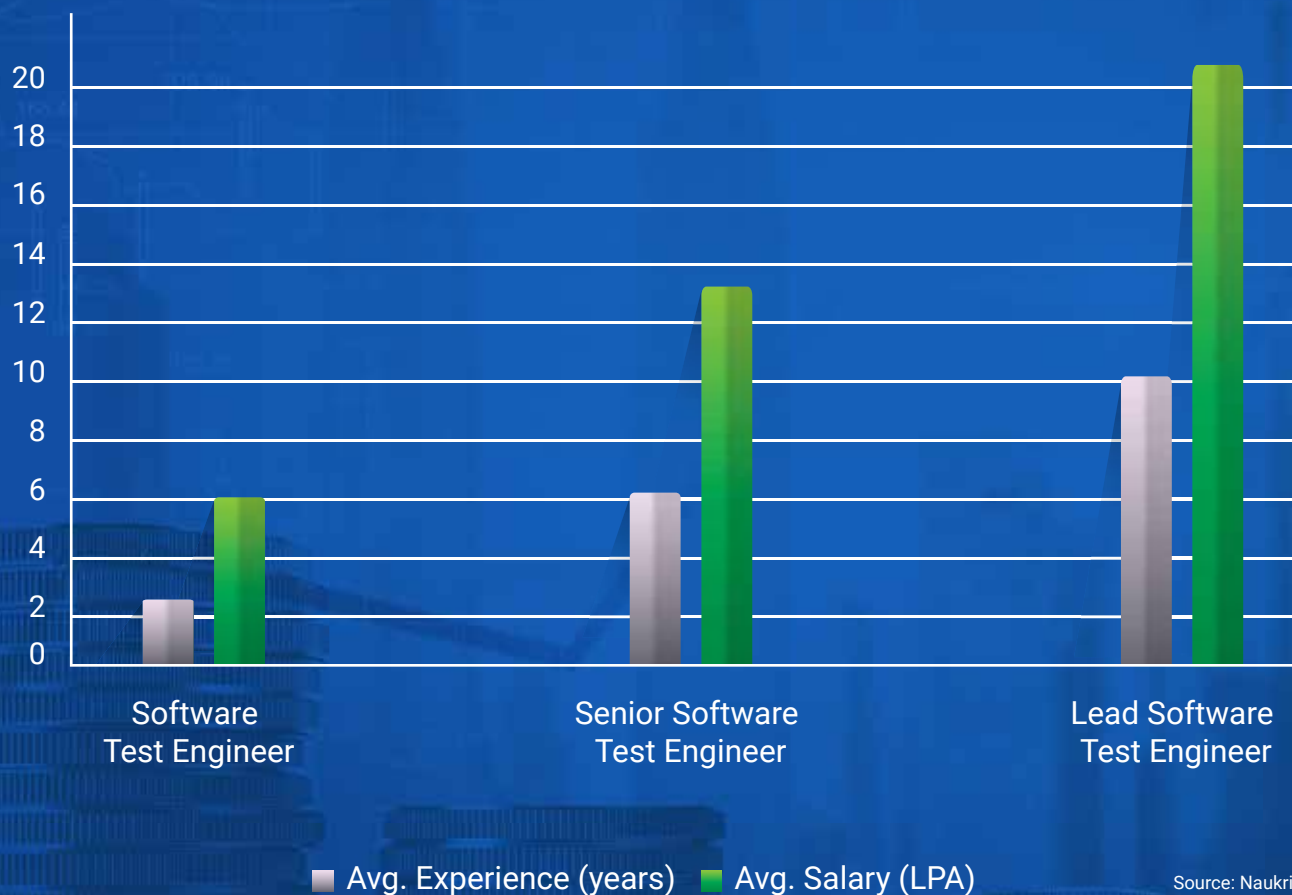
Tech
Mahindra

Capgemini
CONSULTING TECHNOLOGY OUTSOURCING

Cognizant

and many more...

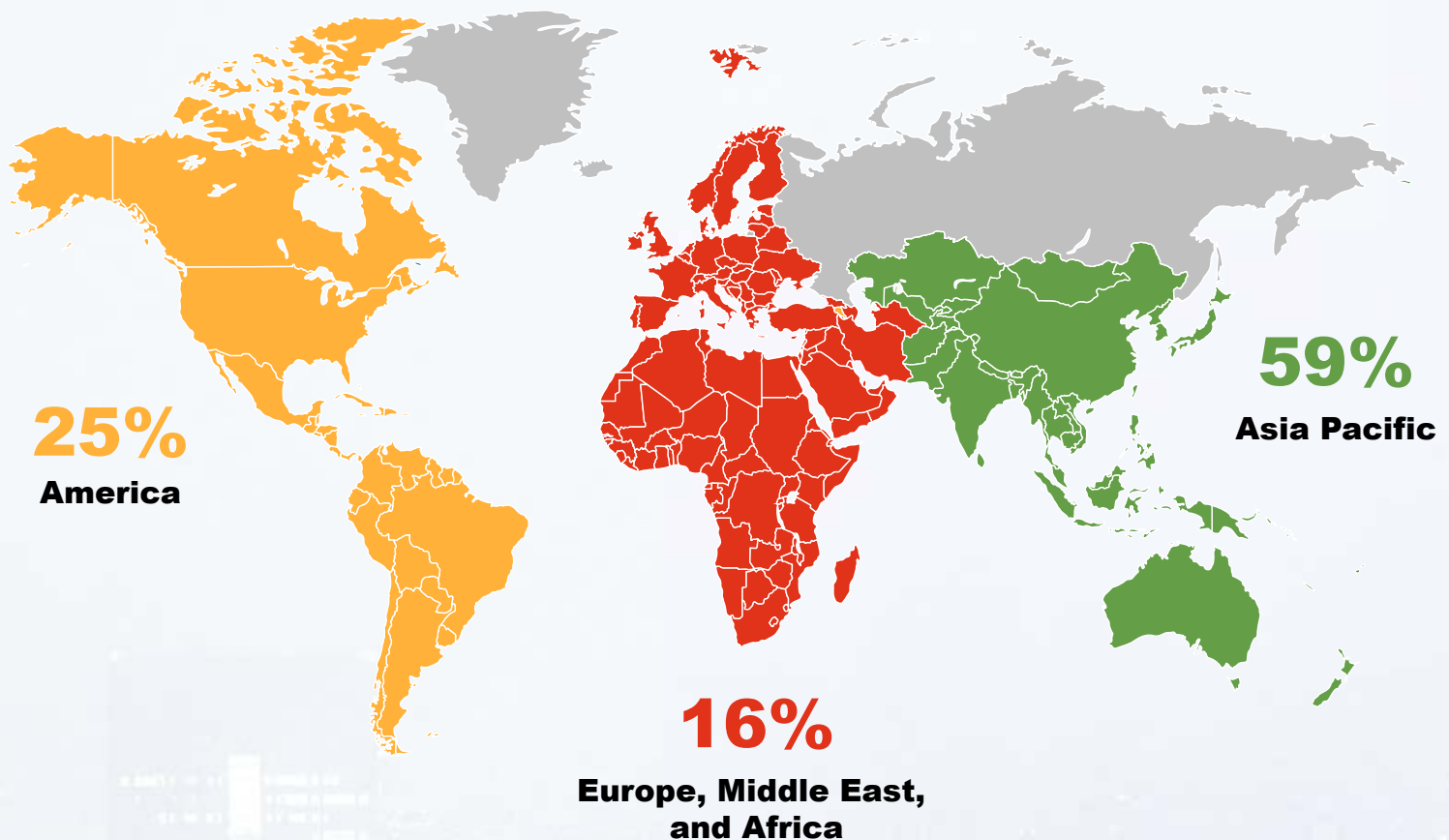
Career Progression and Salary Trends:



GLOBAL SELENIUM MARKET

Software Industry is expected to grow by \$63.9 Billion by 2028 at a CAGR of 18.36. This will unlock numerous career opportunities in the Software testing domain.

Source: Marketsandmarkets



TOP-INDUSTRIES HIRING SOFTWARE TEST ENGINEERS:



Services
60%



Finance
08%



Manufacturing
11%



Healthcare
07%

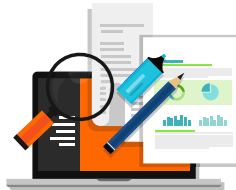


Other
15%

Course Highlights



100 Hours of Blended Learning



2+ Capstone Projects



20+ Assignments



10 Tools Covered



300+ MCQs for
Market-Readiness



5 Value Added Courses

Each module is integrated with assignments for you to apply the Selenium tool's best practices. Upon completing the assignments, you'll receive the opportunity to work on capstone projects and mould yourself into an industry-ready Software Test Engineer.



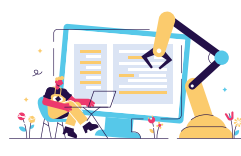
Skills Covered



Java



Manual Testing



Automation Testing



API Testing



Data Driven Framework



Agile Methodology



Design Techniques



Page Object Model
& Page Factory

Tools Covered



Eclipse IDE



IntelliJ



TestNG



Maven



GIT



Python



POSTMAN



DevOps Basics



JIRA



SQL

Value Added Courses

Our course curriculum doesn't stop only with the core concepts of Selenium Testing. We also provide a few additional value-added courses like **Fundamentals of Java, Python, DevOps and Agile**, which go hand-in-hand with the primary Selenium tools and prove highly essential in the Selenium world. So gaining an extended and most-complete skills will surely give you an edge over your peers during the interviews.



Fundamentals of Java

A Software Test Engineer must understand the technical aspects of the testing process. Knowing Java helps you write faster and error-free code than other languages. So we have added it as a value-add for you.



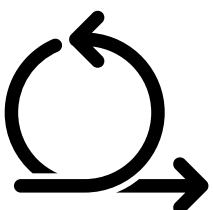
Fundamentals of Python

Python, a simple and versatile programming language, has a strong binding with Selenium Webdriver. Thus learning Python is always an added advantage for a Software Test Engineer.



Fundamentals of DevOps

Test Design needs to be more agile, effortless, and error-free, which is highly possible through DevOps pipelines. So, we have added DevOps as a value-added course for you.



Fundamentals of Agile

Accelerated product release requires high-speed coding and blazing fast testing, and that's impossible when the environment isn't agile. Perk up as you'll learn agile as a value-add!

Your 2-in-1 Certifications

Certificate from **ExcelR**



Internship Certificate from **AiVariant**





Curriculum:

Core Selenium with Java and Value-Added Courses

Module 1

Learning Objectives: In this module, you will learn Webdriver architecture, All Types of Drivers, and an introduction to Automation Testing.

Topics:

- What is WebDriver?
- What is Selenium? Features
- Limitations,
- Eclipse and Java Installation,
- Download Selenium Jars,
- WebDriver Commands
- Running Test on All browsers
- Navigation Commands

Labs: First Selenium Test: Verify amazon HomePage and Locators working with WebElements

Module 2

Learning Objectives: In this module, you will learn about WebDriver Commands and Locators, Finding the Elements and Commands, Waits in Selenium, Working with dropdowns, and working with WebTables in HTML.

Topics:

- Identifying and Interacting with HTML Elements using WebDriver
- WebDriver Commands
- FindElements Command
- Waits in Selenium
- Check Box & Radio buttons
- Drop Down & Multiple Selects
- WebTable Handling
- Read text/values from Web Page
- Enter values into elements/objects
- Simple, prompt, and confirmation
- Handling Frames
- Handling Multiple windows
- Mouse Events
- Click, double click, content click, drag and drop, click and hold, release
- Keyboard Events
- How to scroll the page
- Capture screenshot

Labs:

- Practice working with WebTable
- Handling Alerts, Frames, Windows



Module 3

Learning Objectives: In this module, you will learn how to install TestNG and work with TestNG annotations.

Topics:

- TestNG Basics
- Annotations
- Create TestNG.XML file / Test / Test Suite
- Integrate with Selenium scripts
- Run from TestNG and Tags in the TestNG.XML file
- Reporting Results and Analyze
- TestNG Annotations - Hands-on to explain how it's used in the projects

Labs: Installing and configuring TestNG and programs

Module 4

Learning Objectives: In this module, you will learn about the Frameworks and design the Frameworks such as POM, Data-Driven, and Keyword-Driven.

Topics:

- POM (Page Object Model)
- Types of Frameworks
- Data-Driven Frameworks
- Keyword Driven Frameworks

Labs: Framework development with POM and Data-Driven Framework.

Module 5

Learning Objectives: In this module, you will understand GIT and use the Git commands to maintain the code in the GIT repository.

Topics:

- Introduction to GIT
- Comparison between GIT, GIT LAB & GIT HUB
- Branching / Merging in GIT
- Introduction to Jenkins
- Install and configure Jenkins
- Jenkins - Main features
- Introduction to Plugins
- Jenkins- Dashboard overview

Labs: Installing GIT and Using GIT Commands



API Testing:

API

- What is API?
- what is API testing
- How Does an API Work?
- Web Services
- Web Services vs Web API

Postman

- Postman Installation
- How to execute APIs
- Working with GET Requests
- Working with POST Requests
- How to Parameterize Requests
- How to Create Postman Tests
- How to Create Collections

Soap UI/ Ready API

- SOAP UI Installation
- Create a Project, Test Suite, TestCase
- Request & Response
- Properties
- Property Transfer
- Logs Pane
- Assertions

Software Testing:

Software Testing

- What is Software Testing? Definition, Basics & Types
- 7 Software Testing Principles: Learn with Examples
- STLC – Software Testing Life Cycle Phases & Entry, Exit Criteria
- What is System Testing? Types & Definition with Example
- Sanity Testing Vs Smoke Testing: Introduction & Differences
- What is Regression Testing? Definition, Test Cases (Example)

Test Case Creation

- What is Test Scenario? Template with Examples
- How to Write Test Cases: Sample Template with Examples
- Software Testing Techniques with Test Case Design Examples



Design Techniques

- Boundary Value Analysis & Equivalence Partitioning with Examples
- Decision Table Testing: Learn with Example
- Defect Management Process in Software Testing (Bug Report Template)

Defect Management

- Defect/Bug Life Cycle in Software Testing

Agile Methodology

- Agile Methodology & Model: Guide for Software Development & Testing
- What is Agile Testing? Process, Strategy, Test Plan, Life Cycle Example
- Scrum Testing Methodology Tutorial: What is, Process, Artifacts, Sprint

Curricula of Value-Added Courses

Fundamentals of Java

Basic Java

- Java Installation Basic Syntax
- Datatypes in Java
- Java Identifiers
- Operators in Java
- Java Variables
- Scope of Variables
- Decision-making in Java
- Loops in Java

String

- Introduction of Strings in Java
- Why are strings immutable in Java?
- StringBuffer class in Java
- StringBuilder class in Java

Array

- Introduction to Arrays in Java
- Array Sorting
- 2 D Array

Object-Oriented Programming Concept

- Class, Object
- Constructors, Static, this keyword
- Super keyword
- Final keyword
- OOPs Concept
- Inheritance
- Abstraction
- polymorphism
- Encapsulation

Exception Handling

- Exception Handling
- Try Catch finally block



Fundamentals of Python

Python Introduction - Programming Cycle of Python

- Python IDE

Variables

- Variables, Data type
- Number, String, List, Tuple, Dictionary

Operations

- Operator - Arithmetic, comparison, Assignment, Logical, Bitwise operator
- Decision making - Loops

Loops

- While loop, for loop and nested loop
- Number type conversion - int(), long(). Float ()
- Mathematical functions , Random function , Trigonometric function

String

- Strings- Escape char, String special Operator , String formatting Operator
- Build in string methods - center(), count(), decode(), encode()

List

- Python List - Accessing values in list, Delete list elements, Indexing slicing & Matrices
- Built in Function - cmp(), len(), min(), max(), list comprehension

Tuples

- Tuples - Accessing values in Tuples, Delete Tuples elements , Indexing slicing & Matrices
- Built-in tuples functions - cmp(), len ()

Dictionary

- Dictionary - Accessing values from the dictionary, Deleting and updating elements in Dict.
- Properties of Dist. , Built-in Dist functions & Methods, Dict comprehension
- Date & time -Time Tuple, a calendar module, and time module

Fundamentals of DevOps

- Introduction to DevOps Tools
- GIT
- Jenkins
- Maven

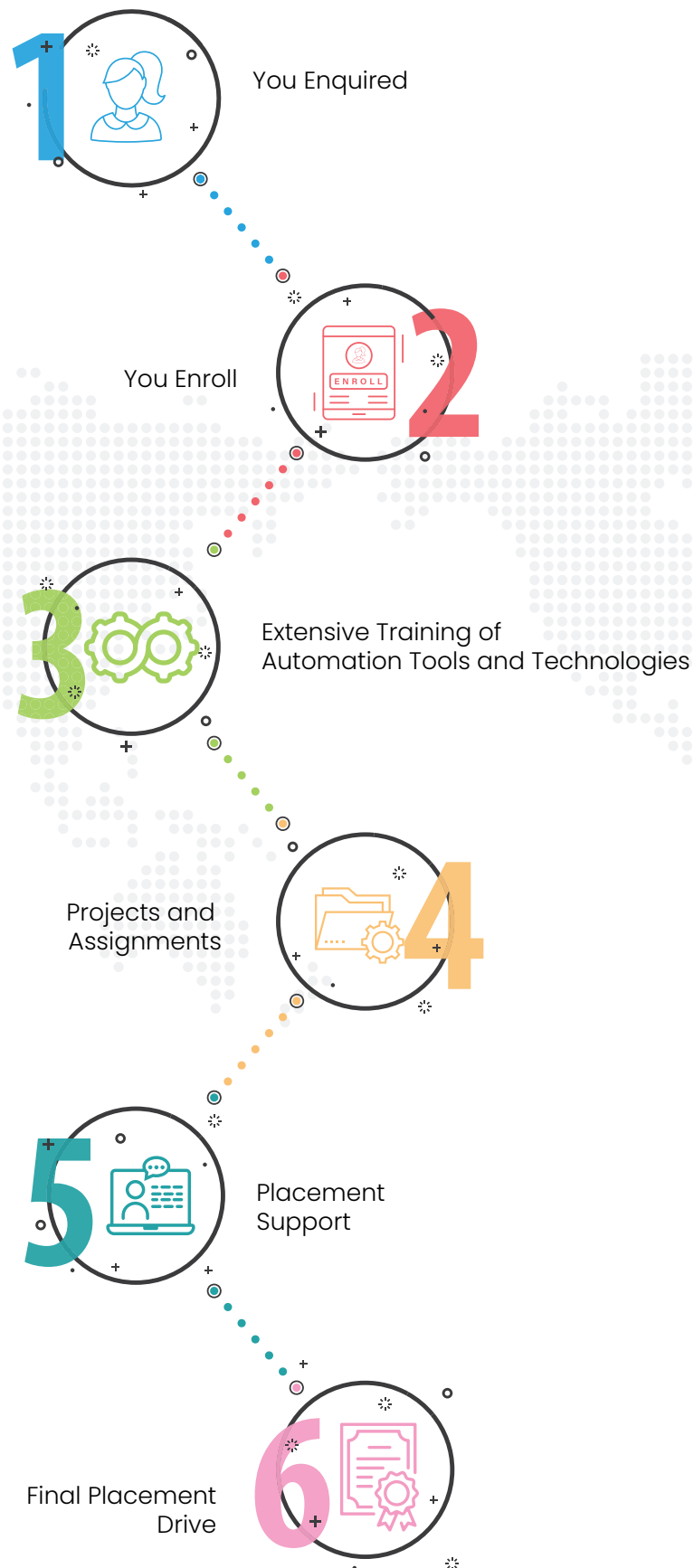
Fundamentals of Agile

Agile Methodology

- Agile Methodology & Model: Guide For Software Development & Testing
- What Is Agile Testing? Process, Strategy, Test Plan, Life Cycle Example
- Scrum Testing Methodology Tutorial: What Is, Process, Artifacts, Sprint



Learning Path



Job Readiness Program

Appart from the technical training, ExcelR will groom you for your overall development to make you Job ready. You will be trained for the following topics:



Aptitude



Resume Building



Communication Skills



LinkedIn Profile
(Creation / Optimization)



Interview Preparation Skills



Mock Interview sessions



Why ExcelR?



Jumbo Pass

Our Jumbo Pass is a first-of-its-kind complimentary ticket in the industry to give you access to attend **unlimited batches of Software Training for the next 365 days.**



Dedicated Post-Training Support

Learners gain hands-on experience when they set out on assignments or case studies. This is where **our 1:1 mentorship is at its finest.**



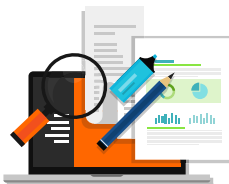
Job Readiness Program

Our training doesn't stop with theory and practice. We also take responsibility to make you job ready. Our placement support is always inclusive of the course.



Lifetime Access to LMS

You are free to attend any number of sessions with any trainer. You can also re-attend the classes and go through the recorded sessions as and when you want. **Learn at your own pace!**



Industry-Based Course Curriculum

Considering the unmet gaps in the industry, our course modules are aligned to the tech trends and deal with all the essential aspects and tools of the Software Testing with Selenium.



4.8/5 Star Reviews on Google

Thanks to our learners who had been our driving force and the true measure of our success, without whom we wouldn't be a global leader in training.

Start Learning at as Low as
₹3,555/- Per Month

with **EMIs @ 0% Interest**

COURSE FEE :
₹32,000 Incl. of GST



For further information regarding EMI, please feel free to contact our career counsellors.



Payment Options

- ☒ UPI
- ☒ Netbanking
- ☒ Debit / Credit Cards
- ☒ All Major Credit Cards Are Accepted (One-Time Payment)



EMI Partners



- ☒ All Major Bank Credit / Debit Cards Accepted for EMIs too.



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We don't just TRAIN
We build CAREERS



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