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Neues Work India

IT Training Placement Institute & Consultancy Pune

BENEFITS :

- Free SoftSkills Sessions
- Interviews: Mock Interviews,
- Interview Recordings,
- Individual Evaluation
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- Resume Building Sessions
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Devops Engineering

Linux :-

- Introduction to Linux Foundation
- Basic Commands of Linux
- Working with Files and Editors
- User Administrator in Linux
- Linux Security System
- Archiving and Filtering
- Job Scheduling
- Linux Package Management
- Partition and Volume Management
- Networking and Firewall
- SSH and SCP
- Process and Log Management
- Boot Procedure
- MariaDB Server
- http Service

Shell Scripting :-

- Basic Commands and File Handling
- Shell, Output and Input. Commands
- Variable (Set and Unset)
- Command Line Argument
- Condition, Loop and Function
- SED, AWK, SORT, TOP
- Hosting Services using Shell Scripting

AWS :-

- Introduction to AWS
- Foundation: IAM, Pricing Calculator
- Storage Services: S3, EBS, EFS
- Computing Services: EC2, ELB, Auto-Scaling, Workspace
- Networking Services: VPC, NAT, CloudFront, Route53
- Monitoring Services: CloudWatch, Xray
- Serverless Computing: Lambda, SAM
- Provisioning Services: CloudFormation
- Platform As Service: Elastic BeanStalk
- Database Services: RDS, DynamoDB
- Other Services: SQS, SNS

Devops :-

- Source Code Management Tools: GIT, GitHub, GitLab
- CI/CD Tools: Jenkins, Github Actions, Gitlab,
- BitBucket Pipelines
- Container Tools: ECS, Docker
- Orchestration Tools: Kubernetes, EKS, KOPS
- IAAC: Terraform, CloudFormation
- Configuration Management Tools: Ansible
- Monitoring Tools: Zabbix/ELK/DataDog
- Provisioning Services: CloudFormation
- Build Tool: Gradle/Maven, npm
- Artefact Management: Artifactory/Nexus,
- ECR
- Testing Tools: SonarQube, Junit, Selenium

JAVA Full Stack Developer :-

Core Java :-

- Introduction of Java
- Structure of Java
- Token-keywords, Identifiers
- Literals (Dota), Types of Literals
- Variable and Data Type
- Operators
- Methods
- Constructor
- Type Casting
- What is Class & Object
- control Flow Statement
- Loop Statements
- OOPS Concept
- Interface
- String Handling
- Exception Handling,
- Type of Exception
- String
- Wrapper Classes
- Array
- Collection
- Input and Output

Advance Java :-

- JSP
- 9 Implicit Objects
- Scripting elements
- Servlet
- Cookies
- Filter
- JDBC
- Servlet Request
- Servlet Collaboration
- Servlet Config
- Custom Tags

Web Development :-

- HTML 5
- CSS
- Bootstrap
- Javascript
- Angular/React

Frame Work in Java :-

- Introduction to Spring Framework/spring
- Introduction to Spring boot
- Framework/Spring boot
- Introduction to Hibernate
- Framework/Only Hibernate
- Struts2 Framework

Syllabus of Testing Courses

01. Programming Fundamentals

Introduction to OS & Networking
Database Fundamentals & SQL
C Programming
OOPS Concepts

02. Software Testing

Manual Testing

Introduction to Software Applications

- * What is Software Application

Testing Methodologies

- * Black Box Testing

- * White Box Testing

Test Design

- * Test Scenarios, Test Cases

- * Requirement Traceability Matrix

- * Test Case Management: Tool

- * Test Data & Creation Techniques

- * Negative Testing

- * Best Practices of Test Design

Test Execution

- * Test Environment Setup

- * Running Test Cases

- * Logging Defects

- * Retesting and Regression

- * Challenges in Test Execution

- * Test Closure Report

Defect Management

- * What is a Defect?

- * Defect Reporting

- * Defect Severity & Levels

- * Defect Priority & levels

- * Defect Life Cycle

- * Defect Tracking Tools

- * Defect Prevention

Types of Non Functional Tests

Quality

- * Software Quality Factors

- * Quality Management Systems (DMS)

- * Quality Assurance (QA) &

Quality Control (QC)

- * Testing Metriss

Skills for a Professional Tester

Automation Tools

JIRA Contents

- * Introduction to jira

- * Use of Jira

- * How to install jira

- * Scrum & Sprint Concept

- * Structure of serum tevarn

- * Process flow of scrum & sprint

- * Scrum ceremonies

- * Agile scrum activities in jira

- * Test Management Activities in Jira

Zephyr Squad Plugin installation]

- * Defect Reportng & Reports Generation

Selenium IDE

Reronding a Selenium Test Case

Running a Selenium Script

Crealing Test Suil

Synchronization

Verification commands

Debugging

- * Start, Breakpoint, Step

Regular Expressions

Overview of Automated testing

- * Automation Process

- * Types of Software Applications

- * Components of Software

- * One/Two/Three/Multi Tier

Architecture

- * Application Domains, Models

Software Development Life Cycle

- * Phases of SULL in detail

- * Project Team Organization Structure

- * Test Team Roles & Responsibilities

- * Various Application issues

- * Waterfall Model

- * Iterative Model

- * Spiral Model

- * Scope of Automation.

- * Selection of Automation Tool

- * Benefits of Automation

- * Selenium as Automation Tool

Selenium as Automation Tool

- * Why Selenium

- * Selenium

- * Components [IDE, RC,

Webdriver, Grid

Selenium IDE Meru

- * Toolbar, Editor, Panes

03. Responsive Web Design & Core Java

HTML 5

C553

Bootstrap

Core Java

04. Advanced Selenium Webdriver

Introduction-WebDriver

- * Why WebDriver
- * End to End Automation Process
- * Integration-Eclipse + WebDriver
- * Browser Handling for IE, Chrome, Firefox, HTML Unit
- * Object Identification for different web elements using
 - * ID, Name, Class, LinkText, Tagname, XPath
- * Customize Object repository
- * Checkpoint Data, Image
- * Synchronization Implicit, Explicit
- * Performance-Page load time, Internal page navigation
- * Mouse/Keyboard events handling
- * Handling of Alerts and Pop Ups
- * Handle Window handles
- * TestNG

- * What is TestNG
- * Installing TestNG
- * TestNG Annotations
- * Running a test using TestNG
- * TestNG Report
- * Skipping & Prioritizing Tests
- * Parameterizing tests
- * Frameworks
- * Data driven Framework
- * Page Object Model

05. Introduction to DevOps

- * What is DevOps?
- * Why DevOps is needed?
- * What is DevOps Transition/
- * DevOps Overview and its Components
- * Technical Challenges
- * Stages Of DevOps Lifecycle
- * Introduction In DevOps tools

06. BDD with Cucumber

- * TDD/Behavior driven development/ Business driven development)
- * What is Cucumber?
- * Agile Model
- Introduction to Software Testing
 - * What is Software Testing?
 - * 'V' model in detail
 - * Verification Techniques
 - * Reviews, inspections, Walkthrough
 - * Validation
 - * Levels of Testing
- Software Testing Life Cycle
 - * Requirements Analysis
 - * Test Planning, Test Design
 - * Test Execution, Test Closure

- * Cononomics of Testing
- * Integrating Cucumber with Eclipse
- * Cucumber selenium java test-case
- * Cucumber feature file
- * JUnit test-runner class
- * Gherkin keywords
- * Step definitions
- * Cucumber options
- * Map in Data tables
- * Data-driven testing using Cucumber
- * Cucumber tags
- * Cucumber hooks
- * Tagged hooks in cucumber
- * Execution order of hooks
- * Integrate maven with cucumber.
- * Execute cucumber tests from Jenkins

07. Python Programming"

08. API Testing Using Postman

- * What is an API?
- * What is API Testing
- * API Testing VS Unit Testing
- * What is Web Service
- * Difference between API and Web Service
- * Types of Web Services -REST & SOAP
- * API/Web service Testing challenges
- * API Testing process
- * RESTFUL Web Service
- * Using POSTMAN

09. Salesforce Testing

- * introduction to Cloud computing & CRM
- * What is Cloud Computing?
- * Overview of CRM
- * SaaS, PaaS, IaaS
- * Excel based/Relational Salesforce Database
- * Relational Database and its relevance
- * Salesforce and Business Objects & Fields
- * introduction to Salesforce (SFDC)
- * SFDC Business Objects & functionality
- * Understanding Force.com
- * An insight into Standard Objects
- * Understanding Custom Objects
- * Introduction to Tabs, Standard & Custom Fields
- * Introduction to Detail Page & Related Lists
- * Creating Test Scenarios