Vmetry

Technologies

Who we are ?

Vmetry has been established with the objective of offering superior IT training and consulting services. Vmetry provides an integrated IT training and consulting services, catering to all the human resource and training requirements of a corporate since 2014.

Vmetry focuses on providing comprehensive Talent management solutions to the customers across various locations *(currently Chennai, Coimbatore, Bangalore, and Trivandrum)*. Our talent management pool has always been striving forward to bring the corporate and professionals together to a single point. We have always been victorious in what we do, because we know that having the right people in your business is crucial. As a value added service, we go a step further to understand the company's vacancies, its business, its culture, and the work environment.

Why Vmetry

Our professional HR consultants are well experienced in following the process of recruitment and our corporate trainers are well trained and experienced in their respective domains.

Regarding HR Consulting, we have our unique way of sourcing profiles from the market. On top of the job portals available in the market, we in Vmetry maintain a separate database of profiles from multiple verticals and technologies across different geographical locations. Based on the requirements of our clients, the technical team will carefully screen and filter the resume before sending it to the companies. We take uncompromising care to each of our clients and follow their requirements religiously.

We always aim in fulfilling our customer's HR and Training requirements to the fullest as we believe serving the customer sincerely at every given chance is the only way of customer retention. We promise to add value to the customers when they add us to them.

Our Expertise

Our expertise lies in IT and Non-IT/ITES and we have been filling various positions right from Business Analysts to production testers. We serve various domains such as ERP, CRM, Salesforce to name a few. As a result of dedicated services, we maintain good record of clientele such as Softcrylic, Red Grapes Business Services, Doosan, Prodapt to name a few.

Automation

       Introduction to Automation Testing

       What is Automation Testing?

       When Automation Testing is needed?

       Why Automation Testing is required?

       List of Software Automation tools used in the current market.

       Difference between paid tool (QTP) and open source tool (Selenium).

       How to select best Automation tool for a particular project?

       Introduction on Selenium Automaton tool.

       What is Selenium testing?

       Why Selenium?

       Features of Selenium

       Components of Selenium Testing tool

       Selenium IDE (Integrated Development Environment)

       Selenium RC (Remote Control)

       Selenium WebDriver

       Difference between Selenium Webdriver and Selenium RC

       Selenium Grid

       Selenium IDE

       Introduction to Selenium IDE

       Browser Compatibility

       Elements of Selenium IDE

       Recording process in Selenium IDE

       Important Selenium IDE Plugins

1) Core Java

     Introduction of Java

          Installation of JDK (Java Development Kit) and JRE (Java Runtime Environment)

          Mastering compilation in Command Prompt

          Execution and Debugging in Command Prompt

          Basics of Java

          History of Java

          Features of Java

          Difference between JDK, JRE, and JVM (Java Virtual Machine)

          Architectural details of Java

          Variables and Data types

          Naming Conventions and Folder structures

          Return types

     Conditional Statement

          If statement

          Switch statement

While loop

For loop

Modifiers

Access modifier

Non Access modifier

Functions or Methods

User defined Functions

Pre-defined Functions

Importance of Static keyword

Difference between Static and Non Static keywords.

Object Creation

Java Arrays

OOPS (Object Oriented Programming Language)

What is OOPS ?

Difference between Object Oriented and Object Based Programming Languages

Data Encapsulation

Data Abstraction

Inheritance

Interface

Polymorphism

Over loading

Over riding

Difference between "this" and "super" keywords

Collections

What is Collections?

Difference between Arrays and Collections

When to use Collections?

List

Array list

Hash table

Hash Map

Set

Linked List

File Handling

Text File Reading/Writing

Excel File Reading/Writing Using Poi

Property File Reading

Log4J Handling

Exception Handling

Hierarchy of Exception Handling

Try Mechanism

Catch Mechanism

Finally Keyword Usage

Multiple Catch Usage

2) ANT

What is ANT?
Environment variables of ANT
ANT Configuration
Execution Commands for ANT
Build.xml setup
Key elements of Build.xml

3) TestNg

Introduction to TestNg
Difference between JUnit and TestNg
What is TestNg Annotations?
Different types of TestNg Annotations
Skipping the test case through TestNg
Prioritizing the test cases through TestNg
Parameterization in TestNg
Assertions in TestNg
Failures & Errors in TestNg
Error Handling in TestNg
Error Collectors in TestNg
Report Generation in TestNg
TestNg - Suite File Creation
TestNg - Suite File Execution
Parallel execution in TestNg
Grouping the testcases through TestNg
Analyzing the TestNg report

4) Selenium WebDriver

What is Selenium Webdriver?
Difference between Selenium RC and Selenium Webdriver
Different commands of Selenium Webdriver
Load Browser through Selenium Webdriver
Load URL through Selenium Webdriver
Close/Quit the browser through Selenium Webdriver
Difference between Close and Quit Methods in Selenium Webdriver
Handling of Input box through Selenium Webdriver
Click events in Selenium Webdriver
Key enumerators in Selenium Webdriver
Submit option in Selenium Webdriver
Reading of Page source in Selenium Webdriver
Reading of title in Selenium Webdriver
Reading of current URL in Selenium Webdriver
Check box handling through Selenium Webdriver
Radio buttons through Selenium Webdriver
Handling of drop down elements in Selenium Webdriver
Handling of drag & drop elements in Selenium Webdriver

Webpage scroll down actions through Java script executor
Handling Sliders in Selenium Webdriver
Resizing the web elements through Selenium Webdriver
Resizing the browser window through Selenium Webdriver
Handling Cookies through Selenium Webdriver
Pop-up window handling through Selenium Webdriver
Multiple Windows handling through Selenium Webdriver
Handling frames through Selenium Webdriver
Dynamic table handling in Selenium Webdriver
Handling Auto- Complete elements through Selenium Webdriver
Mouse hover handling through Selenium Webdriver
Tooltip handling through Selenium Webdriver
Reading the hyperlinks from a particular page.
Handling of Dynamic elements.
Taking Screenshots/snapshots using Selenium Webdriver
Taking Screenshots for a particular elements.
Use of Action methods in Selenium Webdriver
Alert handling in Selenium Webdriver
Highlighting a particular element.
Downloading a file by setting the browser profile.
Uploading a file through Selenium
Webdriver listeners
Working with HTML Unit Driver
Managing the untrusted sites
Different types of locators
ID
Name
Class
Xpath
CSS Selector
Document Object Module (DOM)
Tag name
Link text
Partial Link text
Identifying the locators using FIRE BUG and FIRE PATH
Wait concepts
Thread.sleep
Implicit wait
Expilicit wait
Fluent wait
Selenium Webdriver Navigations
Running the same script through multiple browsers (Chrome, Firefox, IE)

5) Selenium Grid

What is Selenium Grid?

Hub Configuration
Node Configuration
Remote Machine Configuration
Test case Execution in Remote Machine
Alternative Components for Selenium Grid

6) Report Generation
XSLT Report
Automation Testing Utility (ATU) Report
ReportNG Report
Attaching the Screenshots in Reports
Test case Execution Logs in Report

7) Maven
What is Maven?
When Maven is needed?
Maven Installation
Selenium Dependency Setup in Maven

8) Page Object Model
Introduction to Page Object Model
Implementation of Page Object Model
Advantages of Page Object Model
Introduction to Page Factory
Configuration of Page Object Model and Page Factory

9) Selenium Framework
What is Framework?
Why Framework?
Different types of Framework
Data Driven Framework
Keyword Driven Framework
Hybrid Framework
Behavior Driven Development Framework (Cucumber)
Test driven development

10) Continuous Integration Tools
Introduction to Jenkins
Installation of Jenkins
Plan creation in Jenkins
Job creation in Jenkins
Build the project through Jenkins
Schedule the job in Jenkins
Plugging Installation in Jenkins