Selenium With Python Syllabus

- ❖ **Introduction to Data Science using Python**

- ❖ What is Data Science, what does a data scientist do

- ❖ Various examples of Data Science in the industries

- ❖ How Python is deployed for Data Science applications

- ❖ Various steps in Data Science process like data wrangling, data exploration and selecting the model.

- ❖ Introduction to Python programming language

- ❖ Important Python features, how is Python different from other programming languages

- ❖ Python installation, Anaconda Python distribution for Windows, Linux and Mac

- ❖ How to run a sample Python script, Python IDE working mechanism

- ❖ Running some Python basic commands

- ❖ Python variables, data types and keywords.

- ❖ **Python basic constructs**

- ❖ Introduction to a basic construct in Python

- ❖ Understanding indentation like tabs and spaces

- ❖ Python built-in data types

- ❖ Basic operators in Python

- ❖ Loop and control statements like break, if, for, continue, else, range() and more.

- ❖ **Selenium Suite**

- ❖ What are the components of Selenium Suite?

- ❖ What is Selenium Integrated Development Environment?

- ❖ Installing Selenium IDE

- ❖ Features of Selenium IDE

- ❖ Components of Selenium IDE

- ❖ What is Selenium Remote Control?

- ❖ What is Selenium Web Grid?

- ❖ Limitations of Selenium

- ❖ **Selenium Web Driver Automation**

- ❖ What is Selenium WebDriver?

- ❖ Features of Selenium WebDriver

- ❖ Architecture of Selenium WebDriver

- ❖ Selenium WebDriver VS Selenium Remote Control

- ❖ Benefits of Selenium WebDriver

- ❖ Downloading and Installing Selenium WebDriver

- ❖ Deploying WebDrivers for Scripting

- ❖ Introduction to Synchronization

- ❖ Different Types of Wait

- ❖ How to automate Web Elements?

- ❖ **Cross Browser Testing, Test Data Management and PyTest**

- ❖ What Is Cross Browser Testing?

- ❖ Advanced User Interactions

- ❖ Action class in Selenium

- ❖ Deploying Cross Browser Testing

- ❖ Test Data Management

- ❖ Page Object Modeling

❖ Page Factory

❖ Understanding of Object Repository

❖ PyTest

❖ Advantages of PyTest

❖ How to run selected test cases in PyTest?

❖ Fixtures and their Importance

❖ How to generate an HTML report for PyTest?

❖ **Demonstration On Live Project**

❖ **Resume Preparation & Mock Interview**

THANK YOU..