**Software testing**

**Various Software Development Models**

**System testing, Life cycle testing concept, Introduction to testing terminology**

**Various Life Cycle Testing Models**

**Fish** **model , V-model ,PET model , Difference between white box testing & black box** **testing**  **Composition Of testing team, Hierarchy of testing team , defect removal efficiency calculation White box testing (Unit Integration)**

**System Level Testing – Core testing Usability testing , Functionality testing , Advance testing, Performance testing, Security testing .**

**Usability testing ,User Interfacing testing , Manual Support testing , Functional Testing , Input domain testing ,Error handling testing ,Sanitation testing ,Back end testing , URL’s coverage Recovery testing , Compatibility testing ,Configuration ,testing ,intersystem testing ,Parallel testing Installation testing Performance testing ,Loading testing, Stress testing, Volume testing**

**User accepting testing ,Alpha testing ,Beta testing ,Testing Terminology ,Monkey testing, Exploratory testing, Sanity testing Gorilla testing ,Big bang testing ,Retesting testing, Regression testing Win Runner**

**Winrunner testing Process ,Recording models ,Contest sensitive ,Analog model , Selective Recording mode check points ,GUJ check point ,Bitmap check point Database check point,**

**Data driven tests ,Dynamic tests data submission, Through flat file ,Batch testing , WR predefined functions , Synchronization point, Configuring GUI & Virtual objects Learning, Auto Learning and Pre Learning, Global GUI map, Per test mode , User Interphase testing using WR ,6 Microsoft rules & Exception handling, Web functionality testing in II Tier architecture, URL testing Link execution & Link existence.**

**Load Runner**

**Architecture of Load Runner, Load runner testing process, Remote Command Launcher, Vugen, Port Mapper, Creating Virtual Users, Analyzing system under load, Result Analyzer & reports**

**Test Director project administrator, Test director, Creating new project, Creating test plans, Designing tests Running tests ,Tracking defects**

**Silk Test Silk test Features and limitations, Silk test process, Architecture, Test Plans, Test frames Create tests using wizard, Comparision with WinRunner**

**SQA/Rational Robot**

**Test Procedure , Development of automation scripting Functions of SQA basicQTP, Introduction quick test Recording tests, Running and analyzing Creating standard checkpoints, Parameterizing test Synchronization point, Comparision with WinRunner Database Testing, Application Function Testing Transaction Testing , Server Testing.**

**Duration 6 Months Live Software Testing Project**

**PHP & My SQL**

**HTML**

**Introduction to HTML, Structure of a HTML File, Heading ,**

**Paragraphs ,Elements, Attributes Entities , Fonts ,**

**Image ,Listing ,Hyper Linking, Marque ,Tables ,Forms,**

**Text Formatting Tags, Frames, Background, Colors,**

**Color Values, Color Names**

**DHTML**

**Introduction to DHTML, Benefits of DHTML, Usages Of Styles** ,

**ID, DIV Tag , Creating a Style Sheet ,**

**Usages of different tags with style Sheet ,**

**Creating and Positioning Objects, DOM (Document Object Mode)**

**Cascading Style Sheets, Defining (Tags, adding ID’s spam Element)**

**Linking Style Sheets**

**Java Script**

**Introduction to JavaScript, Why JavaScript ?,Structure of Java Script File**

**Variables, Operators, Comparision , Statements, Comments, Control Flow Statements**

**Looping Statements, Break Loops, For In .Array, Functions in JavaScript**

**Pop-up Boxes, Events, Data Validation, Special Text**

**MySQL**

**Features of MySQL, Creating Database, Data Types, Operators,**

**Tables ,Insertion ,Updating & Deleting Tables , Caluses ,Truncate Command**

**Copying Tables, Function, Comparision Functions**

**Control Flow Functions, Cast Functions, String Functions**

**Numeric Functions ,Summary Functions**

**Date & Time Functions, Transaction, Keys**

**PHP**

**Introduction to PHP ,Why PHP ? ,**

**Syntax ,Variables, Strings, Operators**

**If …Else, Switch ,Arrays, Looping, Functions**

**Forms, $\_ GET, $\_POST**

**Advance PHP**

**Date /Timestamp**

**Include ,File, File Upload**

**Cookies , Session**

**E-mail ,Secure E-mail ,Error**

**Duration 4 Months**

**Live PHP Project**