**Welcome to SAP UI5**

**SAP Ui5 Overview:**

* Overview of SAP Ui5
* Difference between Webdynpro and ui5
* Architecture of SAP UI5
* Overview on MVC model
* Overview on End to End Data flow

**Introduction to SAP UI5 IDE(Eclipse)**

* Overview about IDE
* Installing and adding sapui5 plugin , adding server(tomcat)
* Exercise Creating a Sample project

**Introduction to View & Controllers**

* Creating a view
* Understanding the view’s Controller
* Understanding the Controller’s Hook methods
* Exercise on Creating a sample view and Implementing controller methods

**Working with various properties of basic UI elements**

* Working with different properties of basic UI elements
* Dynamically changing the properties of the UI elements
* Exercise on Dynamically changing the properties of the UI elements

**Navigation between the Pages**

* Over view on navigation
* Introduction to sap.m.App
* Adding pages to the App
* Exercise on Navigation between the pages

**Introduction to Different Layouts**

* What is a Layout
* Various Layouts in SAP UI5
* Working with Simple form layout , Matrix layout , Grid Layouts
* Exercise on Creating a Form Using various layouts

**Validating the User Input**

* Types of Validation
* Exercise on Mandatory data validation
* Exercise on valid data validation (like.. email, phone number , pin code)
* Exercise on Showing red color input field and error messages.

**Message Handling**

* Various types of Messages in SAP UI5
* Showing Error, SUCCESS, Warning , Information Messages
* Exercise on Showing various messages in SPA UI5

**Passing data from one view to other**

* Different ways of passing data from one view to other
* Passing the data by sap.ui.core
* Exercise on Passing data from one view to other

**Playing with Different UI Elements**

* Overview on different Categories of UI elements like (simple , value holders , complex , layouts, dialog etc ..)
* Reading data and setting data to the UI elements
* Exercise on Working with various UI elements

**Different Kinds of Models**

* JSON Model
* OData Model
* XML Model
* Resource Model
* Working with JSON Model to pass the data from one view to other.

**Binding**

* Understanding the Binding Concept
* Binding the UI elements with model
* Exercise on Binding the UI elements with Model

**Communicating with SAP back end system Using OData Service**

* Creating OData Model to communicate with OData service
* Pulling and submitting data with Backend system using OData service
* Performing the CRUD Operations(create, read, update, delete)
* Exercise on CRUD operations using OData service

**Split App Application**

* What is Split App
* Creating a Split APP Application by consuming ODATA service

**Introduction to WEBIDE**

* Creating Account in Han trial
* Features of WEBIDE
* Creating Simple Application in WEBIDE
* Consuming ODATA services in WEBIDE
* Creating a Split APP Application in WEBIDE

**Working with Popup Dialogs**

* Creating a popup dialog
* Exercise on Messages and Dialogs

**Introduction to SAP Fiori**

* Creating Extension project for a standard fiori Application
* View Modification
* View Extension
* Controller Extension
* Exercise on Simple Fiori Application Customization

**Introduction to Mobile Application Development**

* Introduction to Cordova
* Integrating SAP UI5 Application into Cordova
* Generating APK file
* Installing the UI5 Application as a Mobile App
* Practical exercise on creating a UI5 Mobile Application using Cordova

**Mini Project using Split App**

* Dividing the screen into Master detail sections using Split App
* Developing a Mini Project to cover end to end ui5 development

**Developing Graphs using Viz frame**

* Column chart
* Bar chart
* Pie chart
* line chart

**Duration: 1month (1hr per day ) - excluding weekends**

**Prerequisites:** Knowledge on basic html, java script or java is enough .We will take care the rest.

**Note: There is a practical Exercise on each and every concept…**

*Looking forward to meet you …*