

This is a unique training designed for those who willing to become Fiori Architect. This course includes 7 Trainings inside to make you super expert in the area of Fiori Security, Implementation and Development.

Fiori Advance Training for experts

www.Anubhavtrainings.com

Duration – 60 Hours

contact@anubhavtrainings.com

Training 1: Fiori Overview & Installation

Getting Started

- Introduction about the course
- Duties of a Fiori Architect cum Full Stack Developer
- Create a first fiori application using VS Code
- Brief introduction of SAP Fiori launchpad and Role assign
- FAQ's

Overview of SAP Fiori System Architecture

- Introduction to the SAP Fiori
- Evolution of SAP Fiori UX
- What is Fiori UX and different from other technologies
- Difference between On-premise and cloud system
- Types of S/4 HANA is available in Market
 - S/4HANA On-premise
 - S/4HANA on Cloud

Deployment options Fiori and Lifecycle of Fiori Application

- Introduction S/4HANA Fiori Implementation
- Understanding the Fiori App Reference Library
- Understanding the concept of Custom Apps
- How to get your Server Access for practice this course
- Fiori Design and Development process

Development process and Deployment of Fiori App for custom fiori App

- Fiori Design and Development Process
- Understanding the Fiori app development and Artefacts
- Fiori App Project structure

- **Troubleshooting & Best Practice for development**
 - Fiori Trouble shooting tools
 - Best Practices to implement Fiori App development
- **Fiori system Architecture / Fiori Deployment options**
 - **Central HUB Scenario**
 - Advantage
 - Disadvantage
 - **Embedded Scenario**
 - Advantage
 - Disadvantage

Understanding the Fiori Installation

- **Step to installation process**
- **Understanding the SUM tool to upload stack xml and complete installation**
- **Developer personas**
 - **SAP Basic Consultants**
 - Arrange the hardware
 - Plan for system installation
 - Create Stack.xml and install
 - Upgrade systems
 - Download and apply SAP notes
 - Maintain system health and backup
 - Overall security and user management
 - **SAP Fiori Administrator / Fiori Security Consultants**
 - **Key Users – Non-technical use case**
 - **UI5 Fiori Developers**

Training 2: Fiori Launchpad & Security with Rapid Implementation

Launchpad basics and GW

- Understanding the SAP Fiori Launchpad
- Step by step with the new system connection
- Understanding the new Fiori System
- Fiori Launchpad access
- Creating a new Business user
- Understanding the role assignment to the user
- Guidelines for create a new user

Fiori Admin Role

- Understanding the difference between Authentication and Authorization
- Understanding the Fiori Security Expert/ Fiori Administrator for Authorization
- Understanding the difference between designer and Launchpad

Configuration, Customizing and Tile Creation

- End to End Tile Creation and Providing Access to user
- Understanding the organization of Content for launchpad
- Understanding Configuration, Customization and Personalization
- Disadvantage of launchpad designer
- Understanding Steps to create launchpad contents
- Understanding the Semantic objects

Fiori Content Structure

- Understanding the Launchpad Content Structure

- Answering some Open Questions
- Introduction to the launchpad content creation
- Step by step Guide for launchpad content Creation
- Understanding the concept of Semantic Object
- Learning the concept of Target Mapping and Intent
- S/4HANA Fiori Implementation – The Statement by SAP
- How Fiori improves usability and experience
- Introduction to standard roles in SAP S/4HANA

Rapid Fiori deployment

- Fiori Rapid Activation and Deployment
- Understanding the Concept of Task Lists
- Understanding Fiori rapid activation using the Task Lists
- Rapid Deployment - Best Practice

Technical and Business Catalog

- Understanding the SAP Process and Standard Content
- How SAP Designer their launchpad content
- SAP Fiori Launchpad Content
- Understanding the concept Different Catalogs
- Introduction to Concept of Technical catalog
- Introduction to Business Catalog
- Understanding Tile referencing for the catalogs
- Understanding the tile assignment from a usecase
- Disadvantage for the group

Space and Page

- Introduction to New launchpad structure
- Introduction to Concept of Pages and Spaces
- Understanding the process of pages and spaces based of Scenarios
- Scenario1 : Pure Custom Content
- Scenario 2: Standard Spaces and Pages
- Introduction to S/4HANA2020 – LPD is deprecated

Launchpad App Manager Tool

- Introduction to Fiori Application Management Tool
- Understanding the Catalog Types
- Adaption of Fiori Content
- Scenario to Create technical catalog
- Summarization of Fiori Implementation using Rapid Deployment

Fit to standard Workshop

- Scenario to Create technical catalog
- Understanding the Phases of Fit-to-standard workshop
- Introduction to Light House Scenario
- Implementing the Phases of Fit to standard workshop
- Finding the Top assigned TCodes
- Finding top used TCodes
- Understanding Fiori App Recommendation Tool
- Understanding the process of Recommendation
- Recap of Rapid Fiori activation
- Understanding Limitations of Rapid activation
- Introduction to the concept of Back-end Catalog
- Understanding how Backend Catalog works
- Step by Step process to replication of backend Catalog
- Elaborating the replication process

Troubleshoot Custom App and Tools

- Answering some open questions
- Guide to decide – when to go for custom fiori app development
- Understanding the guide using the flow diagram
- Introduction to custom fiori app troubleshooting
- Understanding the guidelines of Troubleshooting custom app
- Introduction to Cowin app
- Introduction to “Manage sales order” application on Fiori launchpad
- Understanding the fruit application and check target mapping and default value and redeploy the project
- Understanding the system landscape
- Understanding the issues related to catalog and groups
- Understanding the reason for the issue
- Finding the Possible solution for the catalog and group issues
- Understanding the issues related tiles
- Possible Reason of the Tile Issues
- Discussing the possible solutions of tile issues

Launchpad Cache Concept

- Introduction to the Cache Concept
- What is cache?
- How cache works
- Understanding what fiori cache
- Advantages of the cache
- Introduction to troubleshooting techniques for cache concept
- Introduction to cache buster token
- Understanding Cache management

Theme Designer

- Introduction to Fiori Content Translation
- Understanding the importance of translation
- Understanding the process of translation
- Introduction to the issues related to launchpad login page
- Understanding How to change the default configuration of login page
- Changing the default configuration of logoff page
- Introduction to Fiori Theme Designer
- Understanding how to use CSS in theme designer
- Introduction to how to import and export themes in Theme Designer

Fiori Workflow

- Introduction to SAP Workflow
- Understanding the use of workflow in an organization
- Creating a workflow for an employee leave request
- Understanding the trouble shooting in workflow
- Understanding the prerequisites in workflow
- Introduction to My Inbox fiori app
- Concept of extending standard fiori app
- Introduction of the concept of enhancement spoty
- Understanding the use of BADI's in Enhancement
- Troubleshooting steps in workflow
- Troubleshooting workflow in sap business suite
- Introduction to SAP workflow visualization
- Concept of Customizing workflow visualization
- Introduction to My Inbox Fiori app extension

Training 3: Fiori on Cloud (BTP Development) using Business Application Studio and VS Code

SAP BTP and Cloud Connector

- Introduction to SAP Business Technology Platform
- Understanding the uses of BTP
- Understanding the concept to IAAS and PAAS
- Introduction to Cloud Connector
- Step by step Installation of Cloud Connector
- Establishing a connection to a cloud system using Cloud Connector
- Introduction to Central Fiori Launchpad
- Understanding the steps to configure cFLP
- Creating design Time and Run Time Destination
- Step to configure content Provider and Content manager in cFLP
- Recap of Fiori Security

Fiori On Cloud

- Introduction to Cloud Foundry
- Installation of the cloud foundry in the system
- Introduction to Cloud Foundry CLI commands
- Introduction to manifest.yml file and Deployment of application on cloudfoundary
- Introduction and Overview of GitHub

Training 4: Fiori Advance Development Concepts with VS Code and Node JS including Fiori Tooling

NodeJS and JavaScript

- Introduction to NodeJS
- Understanding the uses of Nodejs
- Introduction to Client-Server Architecture
- Introduction to JavaScript
- Understanding the basics syntax of JS
- Introduction to JSON and its syntax
- Understanding the functions and Type of Functions
- Concept of Modules in JavaScript
- Making a reusable JavaScript file
- Understanding the Asynchronous behavior of JavaScript
- Understanding the concept of callback function / Promise
- Introduction to Node Package Manager (NPM)
- Introduction to some important npm modules
- Understanding the concept of global modules in npm
- Introduction to package.json file
- Understanding the use of Package.json with an Example
- Introduction to node.js project structure
- Step to create a Fresh Node.js Project

MVC (Model View Controller) Architecture

- What is MVC Architecture?
- What are Views and Types of Views?
- Making a different type of views
- What are Models?

- What is Controller and types of controller?
- Understanding the Skeleton of a Controller

Express Yoeman

- Introduction to node.js project
- Starting our first node.js project
- Introduction to the express module in npm
- Introduction to the nodemon module
- Building simple api's using Node.js
- Understanding the concept of middleware in Express
- Creating a node.js server using express server module
- Introduction to express static
- Introduction to the Yeomen module
- Understanding how to generate a fiori project using Yeomen

UI5 Tooling

- Introduction and Overview of GitHub
- Introduction to Git
- Understanding the Use of Git in a Project
- Understanding the use of git ignore file in the project
- Introduction to the concept of local git repository
- Introduction to basic git commands
- Demonstration of working with git repository for development with multiple developers
- Disadvantages of using plain node.js to serve our UI5 application
- Introduction to the UI5 Tooling
- Understanding the build process of Fiori application
- Introduction of component preload.js
- Understanding the concept of Packaging a project
- Packaging our Fiori app using the UI5 CLI commands

- Configuring our fiori app to run from the dist folder
- Introduction to Advance Fiori Tooling

Deploy to S/4HANA

- Understanding the process of local development in VSCode.
- Understanding how to use a fiori application without Internet in VSCode.
- Connecting a Fiori app with a real time OData service.
- Understanding how to connect server proxy using VSCode.
- Understanding the deployment process of a Fiori app in ABAP repository.
- Configuration of Fiori app to deploy in S4HANA System.
- Deploying a Fiori app to ABAP repository in S4HANA system.

Mock Server and FLP Sandbox

- Introduction to SAP Fiori MockServer
- Understanding the Fiori MockServer using Example
- Understanding the Concept of MockServer and FLP sandbox

Fiori On Cloud Deploy

- Introduction to the backing service in BTP service.
- Introduction to important backing services Fiori on Cloud.
- Destination Service
- Connectivity Service
- HTML Repository run time service.
- Introduction to Concept of App Router
- Deploying our fiori app to the S4hana system

Prototype Build Tool

- Working with fiori on cloud
- Understanding the concept of Prototyping
- Introduction to [Build.me](#)
- Demo of the Build.me
- Introduction to Cloning an application form Build.me

Training 5 – Fiori Test Strategy and end to end Testing

Qunit Tests Implementation

- Introduction to Testing
- Introduction to the Testing Paradigm.
- Introduction to Unit Testing.
- Understanding the Regration Effect.
- Understanding QUnit.
- Bootstrapping QUnit in index.html
- Performing the Qunit Tests.
- Setuping up a Qunit test for asynchronous calls.
- Modularizing the test steps.
- Concept of formatters in QUnit test.
- Introduction to OPA5 Testing

OPA5 Basics and Implementation

- Understanding the skeleton of our app and test.
- Understanding the Best practices to follow.
- Creating our first OPA5 test.
- Generating an application to perform OPA5 Testing.
- Developing an OPA test for a Fiori app.
- Understanding the best practices of the OPA test

- Using the OPA5 libraries to develop a OPA test.
- Understanding commonly used OPA5 commands and libraries.
- Performing an OPA test for the fiori app.
- Implementing journey, action and test case for a button press
- Understanding the importance of Automation in an Industry.
- Designing a functional test for the list search.
- Designing an OPA test.
- Designing the OPA test for an Master View page fiori application.
- Generating an OPA journey and OPA Page in WebIDE.
- Creating OPA test for the search in List Item.
- Creating Journeys, actions and test case to perform search in Object List.

UIVeri5 Tests

- Introduction to UIVeri5
- Understanding the benefits of UIVeri5
- Understanding the Advantages of UIVeri5 over OPA5
- Building a UIVeri5 test
- Writing UIVeri5 test to test a fiori master view app

Integration Card

- Introduction to Integration cards in fiori.
- Understanding the uses of Integration cards.
- Creating a Requirement using the Integration cards.
- Introduction to different type of cards.
- Implementing a fiori application showing the Integration cards with real time data.
- Integration cards Continue.
- Implementing Analytic Integration cards.

- Understanding the use of measures and dimensions in analytic charts.
- Design Real time Covid data in Analytic Cards.

Training 6: Fiori Elements – ALV, OVP, Object Page, LRP and Annotations

Fiori Elements Runway and Intro

- Introduction to Fiori Elements
- Understanding the prerequisites for fiori elements.
- Understanding the Data Model in ABAP.
- Introduction to CDS Data Model.
- Creating Draft Tables.
- Understanding the Fiori UX Consistency
- Understanding the difference between Free Style and Fiori Elements App.
- Understanding the Developer Persona for Fiori Elements.
- Introduction to Fiori Elements - List Report Application.

List Report Page Application

- Creating a List Report Application using Fiori Elements in BAS
- Introduction to Annotations.
- Creating CDS Annotations in the Back-end.
- CDS based annotations continue.
- Create Facets using CDS annotation.
- Creating Line Items using CDS annotations.
- Understanding how to use documentation for Fiori Elements.
- Introduction to Fiori Extension pack in VSCode
- Introduction to Fiori Guided Development
- Introduction to UI annotations

- Creating UI annotations with the help of Fiori Guided development tool
- Building a List Report Application using UI Annotations.
- Creating Header Items with UI annotation.
- Creating the LineItems using UI annotations.
- Creating a Rating Indicator using UI annotation
- Adding a bullet chart form ui annotation.
- Understanding how to use measures and dimensions in UI Charts using annotation

Object Page with Annotation and List Report Enhancement

- Create List Report Application using Annotations in BAS
- Understanding the header info annotation
- Understanding the Bullet chart on Object header
- Understanding of Facets and types of facets
- Understanding of Edit and Create annotations using "show page map"
- Understanding of Annotations using fragments file
- Understanding of add custom action sections
- Answering some open questions
- Add custom columns in Table using Annotations
- Understanding Validations in Backend
- Understanding of Analytic List Page Application

Analytic List Page with VF

- Creating a chart as well as visual filters in analytical list page application
- Understanding the steps to add visual Filters
- Add Semantic colors to visual Filters
- Deploy the application on SAP Backend Server

- Answering some open questions

Overview Pages

- Understanding Overview Page Application
- Understanding of an analytic card type
- Understanding the analytic card in Table and Datapoints etc.
- Understanding Static LinkedList Card
- Add carousel in Card

Training 7: Fiori Extension and Security Training with Real Scenarios

Key User Extensions and Extension Type

- Introduction of charts in manifest.json
- Key Users in S/4 HANA
- Understanding the Manage sales order application end to end with Key users
- Understanding the Extension Concept
- Understanding the Extension Concept - Correct Approach
- Setup Personal WebIDE Personal Edition
- How to use Extension concepts in WebIDE
- Understanding the types of extensions

Extend Cost Center App

- Understanding the Extension Scenario
- Understanding the "Manage Cost Center " application
- Create a Extension Project in WebIDE

HR Basics and Timesheet app

- How SAP Apps are built - fiori usage existing assets

- Basic of SAP HR
- Understanding the timesheet application
- Create a Time Sheet application in SAP WebIDE
- Understanding the timesheet (Create Time Entry) application

KPI Modeler

- Introduction of Theme Designer
- Understanding the KPI modeler
- Use Case of KPI Modeler