

ABAP SYLLABUS

Introduction to ERP

- What is ERP?
- Why we need ERP?
- Advantages of ERP
- Major ERP Packages

Introduction to SAP & R/3 Architecture

- What is SAP?
- History & Features of SAP
- SAP R/2 Architecture (Limitations of R/2 Architecture)
- SAP R/3 Architecture (Types of work processes)
- SAP R/3 Application Modules
- SAP Landscape

Introduction to ABAP/4

- What is ABAP/4
- Features of ABAP/4
- ABAP/4 Development Workbench

Working in ABAP

- What is ABAP/4
- Logon to SAP Environment
- Transaction Codes
- Multitasking Commands
- Comments
- Errors
- ABAP/4 Editor (SE38)
- Steps for Creating a Program
- Elements in R/3 Screen

- Output Statements
- Operators in ABAP
- Data, Parameter & Constant Statements
- Data Types & Classification
- Data Objects & Classification
- Text Elements
- Control Statements
- Conditional Statements (if-else, case) Loop Statements (Do, While)

ABAP Dictionary

- ABAP Dictionary Introduction
- Data Dictionary Functions
- Data Dictionary Objects
- Data Base Tables
- Structures
- Views
- Database View
- Projection View
- Data Elements
- Type Groups
- Domains
- Search helps
- Elementary Search Help
- Collective Search Help
- Lock objects
- Primary Key and Foreign Key
- Table Maintenance Generator

Packages

- Creating a package
- Difference between local objects & packages
- Transferring local objects to packages

Variants

- Variants Introduction
- Creating variants in ABAP Editor

Message Classes

- Message Class Introduction
- Message types
- Calling message class in Report & Dialog programs

Selection Screens

- Selection screen Introduction
- Parameter Statement
- Select-options Statement
- Selection-screen Statement
- Screen table and its fields

Open SQL Statements

- Select
- Insert
- Modify
- Update
- Delete

Internal Tables

- Internal Tables Introduction
- Declaring Internal Table
- Header line Table
- Without Header line Table
- Populating Internal Table
- Processing Internal Table
- Initializing Internal Tables
- Types
- Work Area

Debugging Techniques

- Debugging Techniques Introduction
- Break-points (Static & Dynamic)
- Dynamically changing internal tables contents
- Option to step through the program in Debugging Editor

Modularization Techniques

- Modularization Techniques Introduction
- Includes
- Subroutines
- Passing Parameters to Subroutines
- Passing Tables to Subroutines
- Function Groups
- Function Modules
- Passing Parameters to Function Module

Reports

- Reports Introduction
- Classical Reports
- ALV Reports
- ALV through Function Module
- ALV Types
- List ALV
- Grid ALV

Dialog / Module Pool

Programming/ Transactions

- MPP Introduction
- Relationship between Screen, Flow Logic and Program
- Flow Logic Events
- Process Before Output (PBO)
- Process After Input (PAI)
- Include Programs in MPP
- Include TOP
- Include I01
- Include O01
- Include F01
- Leave Screen
- Leave to Screen
- Call Screen
- Set Screen
- Elements in Screen Layout
- Text Fields
- Input Output Box
- Push Button
- Box
- Radio Button

- Check Box
- Table Controls
- Tabstrip Controls
- Subscreens

ABAP Query

- User Group
- Info set
- Query
- Lists
- Make transaction

Batch Data Communication

- BDC Introduction
- Recording
- BDC Methods
- Call Transaction Method
- Session Method
- Different Methods
- Flat file creation
- Uploading data
- File Handling
- Application Server
- Presentation Server

Smart Forms

- Smart Forms Introduction
- Printing text
- Address
- Including Logos
- Graphics Management
- Writing print program and designing layouts

ALV Reports

- ALV Reports Introduction
- ALV through Function modules
- ALV Types

ADVANCE ABAP/4

ALE Basics

- Overview of Outbound & Inbound Process
- Configuration Steps
- Define logical systems
- Assign client to logical system
- RFC destination
- Customer distribution model
- Creating Ports

IDocs

- What is an Idocs?
- Types of Idocs
- Basic Idocs
- Extension Idocs
- Creating Idocs
- Message Types
- Assigning Idoc type to Message type

RFC

- Introduction to RFC
- Creating RFC Destination between 2 Systems
- Creating Remote Enabled Function Modules
- Creating program using Remote Enabled Function Modules

BAPIs

- BAPI Overview
- Creation of BAPI

User Exits

- User Exits Overview
- Types of User Exits
- Field Exit
- Screen Exit
- Function Exit
- Menu Exit

BADIs

- BADIs Overview
- Defining a BADI
- Implementing a BADI

OOPS Concept

- Object Oriented ABAP Overview
- Defining a Class
- Implementing a Class

Programs

- Global Certification Program In (S/4 HANA)
- Certification Dumps
- 100% Passing Guarantee Program
- Training Completion Certificate
- Server Access and Installation
- CV Preparation

Duration: 3 Months