

SAP ABAP / 4 MODULES

- **ERP OVERVIEW**

- ✓ Understanding ERP
- ✓ What is ERP?
- ✓ Why ERP?
- ✓ Limitation of ERP?
- ✓ Benefits of ERP

- **SAP OVERVIEW**

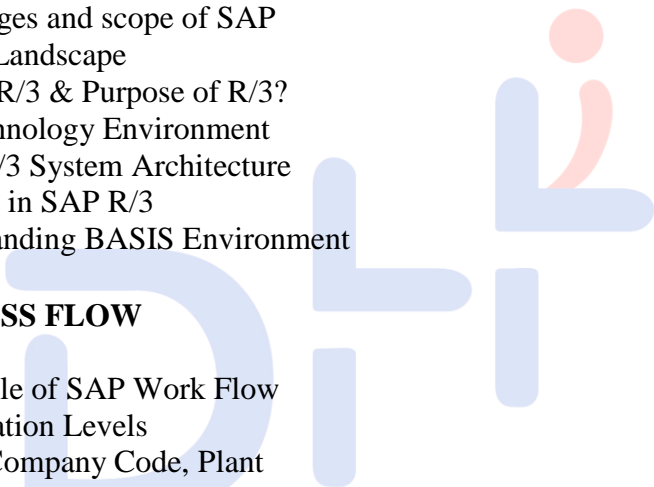
- ✓ About SAP
- ✓ Why SAP?
- ✓ Advantages and scope of SAP
- ✓ System Landscape
- ✓ What is R/3 & Purpose of R/3?
- ✓ R/3 Technology Environment
- ✓ R/2 & R/3 System Architecture
- ✓ Modules in SAP R/3
- ✓ Understanding BASIS Environment

- **SAP BUSINESS FLOW**

- ✓ Life Cycle of SAP Work Flow
- ✓ Organization Levels
- ✓ Client, Company Code, Plant
- ✓ Purchasing Organization, Purchase Group
- ✓ Storage Location
- ✓ Sales Organization, Sales Organization Structure
- ✓ Warehouse Organization
- ✓ Customer Master, Vendor Master, Production Planning
- ✓ BOM, Work Center, Routing, MRP, Production Order
- ✓ SAP GUI

- **INTRODUCTION TO ABAP EDITOR**

- ✓ Introduction Menu and Toolbar
- ✓ Creating Program
- ✓ ABAP /4 Debugger
- ✓ Repository Search
- ✓ Spilt Screen Editor
- ✓ Set data, Delete data, Own data



- **REPORT PROGRAMMING**

- ✓ Defining Data & Parameter Statement
- ✓ ABAP /4 Data Types
- ✓ Types, Conversions and Constants
- ✓ Defining Field Strings
- ✓ Common Assignment and control statements
- ✓ Defining Field Strings

- **DATA DICTIONARY**

- ✓ Creating Domains, Data Elements and Tables
- ✓ Top-Down and Bottom-Up Method
- ✓ Introduction to Data Browser – SE16
- ✓ Indexes
- ✓ Data Class, Delivery Class , Technical settings , Buffer Technique
- ✓ Creating Foreign Keys , Special Table fields (Currency / Quantity)

- **INTERNAL TABLES**

- ✓ Introduction & Types of Internal Tables
- ✓ Methods of Creation Internal Table
- ✓ Reading Data from Internal Table
- ✓ Work Area , field strings
- ✓ Different types of Operations using Internal Tables

- **FORMATING TECHNIQUES**

- ✓ Write Statement
- ✓ Default Date , Time , Numeric formatting
- ✓ Symbols , Lines , Icons
- ✓ Report Formatting And Printing
- ✓ Page Header and footers
- ✓ List Formatting Statements

- **SELECTION SCREENS**

- ✓ Creating Selection screen
- ✓ Interval And Extension Statement
- ✓ Select Options Statement
- ✓ Data Validations
- ✓ Message statement
- ✓ Creating Message – SE91

- **TRANSACTION MANAGEMENT**

- ✓ Creating Transaction for Selection Screen Reports
- ✓ Transactions for Modules
- ✓ Authorizations

- **MODULARISATION TECHNIQUE**

- ✓ Event Driven Programming
- ✓ Internal & External Subroutine
- ✓ Including Programs
- ✓ Understanding function Groups and Modules
- ✓ Creating Function Modules
- ✓ How to Search Function Modules
- ✓ Export , Import,Table,Changing,Exception parameters
- ✓ Using the Include statement

- **SAP SCRIPT**

- ✓ Creating Forms , Pages , Windows , Paragraph , Character
- ✓ Integrating Reports with SAP Scripts,
- ✓ Standard Texts , Elements , Command Line , Feed Line , New Line
- ✓ Change Editor window , Graphics Windows

- **BDC METHOD (Batch Data Communication)**

- ✓ Introduction about BDC Method
- ✓ BDC Methods
- ✓ Recording Transactions
- ✓ Call Transaction Method
- ✓ Batch Input Session Method
- ✓ BDC Programming

- **MODULE PROGRAMMING**

- ✓ Design Simple Forms using Various Controls
- ✓ Create Forms & Perform Different Operations in the Database Tables
- ✓ Validation on Pushbuttons
- ✓ Creating Dialog Box (Message Box)
- ✓ Table Controls and Tab Strip controls
- ✓ Creating User Menu , Application Toolbar , Function Keys
And Perform Various Operations on the Forms

ADVANCED TOPICS

- **SEARCH HELPS**
 - ✓ Collective Search Helps (F4 Help)
 - ✓ Elementary Search Helps
 - ✓ Match codes
 - ✓ Integrating Reports with Search Helps

- **LSMW (Legacy System Migration Work Bench)**
 - ✓ Introduction of LSMW
 - ✓ Creating LSMW
 - ✓ Transfer Data None Sap system to Sap System Using LSMW

- **SMART FORMS**
 - ✓ How to make Smart Forms
 - ✓ Create own Style , Global Definitions, Form Interface, Layout sets
 - ✓ Maintaining Smart Forms
 - ✓ Integrating Reports with Smart Forms
 - ✓ Difference Between Sap Script & Smart Forms

- **ALV GRIDS (ADVANCED LIST VIWER)**
 - ✓ Creating ALV Grid Reports
 - ✓ Difference Between Classical Reports & Interactive Reports
 - ✓ Drill Down Report
 - ✓ User friendly Report

- **ENHANCEMENTS IN SAP**
 - ✓ User Exits
 - ✓ Fields Exits
 - ✓ Table Exits
 - ✓ Function Exits
 - ✓ How to modify original SAP Code

- **NOTES APPLICATION**
 - ✓ Searching Notes
 - ✓ How to Download and Apply Notes
 - ✓ OSS connection

- **SAP QUERY / INFOSET / USER GROUP**

- ✓ Creating User Groups – SQ01
- ✓ SAP Query Viewer – SQVI
- ✓ InfoSet Query , Logical Database – SQ02 , SQ03
- ✓ Join Database Tables
- ✓ Transport of Queries

- **Class & Object or Object Oriented Programming**

- **ALE (ADVANCED LINK ENABLING)**

- ✓ Introduction of ALE
- ✓ Creating ALE Documents

- **IDOCS (Intermediate Documents)
&**

- BAPI (Business Applications Programming Interface)
&**

- RFC (REMOTE FUNCTION CALL)**

- ✓ Introduction of IDOCS , RFC , BAPI
- ✓ Creating IDOC Documents
- ✓ RFC Programming (Remote Function Call)
- ✓ Creating SAP BAPI Documents using Visual Basic or VB.NET Connections
