

SAP ABAP Course Contents

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Course Duration: 60 Hours

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1 Introduction to ABAP/4

- ✓ Introduction to ERP
- ✓ Introduction to SAP/3, ABAP/4
- ✓ ABAP Editor
- ✓ System Landscapes
 - i. 3 – Landscapes
 - ii. 4 – Landscapes
 - iii. 2 – Landscapes
- ✓ Data Types & Keywords
- ✓ Output Statements
- ✓ Arithmetic Operations
- ✓ Relational Operations
- ✓ Writing Small Programs
- ✓ String Operations
 - i. Translate
 - ii. Condense
 - iii. Concatenate
- ✓ Control Statements
 - i. IF ELSE Ladder, Nested IF
 - ii. DO Loop, Nested DO, WHILE
 - iii. Switch Case
 - iv. Termination Statements (Exit, Check, Continue)
- ✓ Selection Screens
 - i. Parameters
 - ii. Select-Options
- ✓ Open SQL Statements (Insert, Modify, Delete, Update)
 - i. Insert
 - ii. Modify
 - iii. Delete
 - iv. Update

- ✓ Simple Reporting
- 2 Transport Organizer & Package Builder**
 - ✓ Why to Transport?
 - ✓ Creation of a Task
 - ✓ What is a Transport Request?
 - ✓ Releasing of Request
 - ✓ Package Creation
- 3 Data Dictionary**
 - ✓ Creation of Database Tables
 - ✓ Data Element & Data Domain
 - ✓ Structures & Table Types
 - ✓ Search Helps
 - i. Elementary Search Help
 - ii. Collective Search Help
 - ✓ Creation of Views
 - i. Database View
 - ii. Projection View
 - iii. Maintenance View
 - iv. Help View
 - ✓ Type Groups
 - ✓ Creation of Foreign Keys
 - ✓ Check & Value Tables
- 4 Reporting**
 - ✓ Debugging Techniques
 - ✓ Pillars of ABAP
 - i. Work Area
 - ii. Internal Table
 - ✓ Modularization Techniques
 - i. Sub-Routines
 - ii. Includes
 - iii. Function Modules
 - ✓ For All Entries & Joins
 - ✓ Events for Classical Reports
 - ✓ Events for Interactive Reports
 - ✓ Types of Messages & Message Class Creation

5 ABAP List Viewer

- ✓ Introduction to ABAP List Viewer
- ✓ Types of ABAP List Viewer
 - i. Function Module for List Display
 - ii. Function Module for Grid Display
 - iii. Interactive ALV (SLIS)
- ✓ ALV Grid OOP
 - i. OOP Standard ALV
 - ii. ALV Grid with Docking
 - iii. ALV Grid with ICONs Display
 - iv. Coloring Lines & Cells in ALV
 - v. Setting Clickable & Editable cells in ALV Grid
 - vi. Event Click & Double Click in ALV
 - vii. Catching Event Edit finished in ALV Grid OOP

6 Interfaces

- ✓ Introduction to Cross Applications
- ✓ Working with RFC Function Modules
- ✓ Overview of Business Objects
- ✓ Creation of Business Objects
- ✓ Creation of BAPI
- ✓ Using Standard BAPI

7 Conversion

- ✓ Why Data Transfer?
- ✓ Introduction to BDC
- ✓ Recording a Transaction
- ✓ Methods in BDC
 - i. Call Transaction
 - ii. Session Method
- ✓ Flat File Creation
 - i. Excel File Creation
 - ii. Text File Creation
- ✓ Uploading Data
- ✓ LSMW (Legacy System Migration Workbench)

8 Enhancements

- ✓ Introduction to Enhancements

- ✓ User Exits
- ✓ Customer Exits
 - i. Function Module Exits
 - ii. Menu Exits
 - iii. Screen Exits
- ✓ Introduction to BAdI (Business Add Ins)
- ✓ Implementation of a BAdI
- ✓ Overview of Enhancement Spots, Enhancement Sections
- ✓ Enhancement Implementations, Class Enhancements

9 Forms (Scripts & SMARTFORMS)

- ✓ Introduction to Scripts
- ✓ Layout Sets
 - i. Page Creation
 - ii. Window Creation
 - iii. Paragraph Format
 - iv. Character Format
- ✓ SAP Scripts Elements
- ✓ Logo Inclusions
- ✓ Working with SMARTFORMS
- ✓ Standard Text
- ✓ Graphics Managements
- ✓ Writing Print Programs & Designing Layouts
- ✓ Output Type Configuration to Standard Orders

10 Object Oriented ABAP

- ✓ Fundamentals of Object Orientation
- ✓ Introduction to Local Classes & Methods
- ✓ Creating Class, Attributes & Methods
- ✓ Creating Objects from a Class
- ✓ Constructors & Self Reference
- ✓ Static Attributed & Methods
- ✓ Inheritance
- ✓ Polymorphism
- ✓ Narrowing Cast
- ✓ Widening Cast

- ✓ Interfaces
- ✓ Narrowing Cast in Interface
- ✓ Widening Cast in Interface
- ✓ Events
- ✓ Global Class

11 Module Pool Programming

- ✓ Introduction to Module Pool
- ✓ Flow Logic
 - i. PAI (Process After Input)
 - ii. PBO (Process Before Output)
- ✓ Screen Designing
- ✓ Programming in Object Browser
- ✓ Creation of Table Controls
- ✓ Dynamic Screens
 - i. Call Screen
 - ii. Set Screen
 - iii. Leave to Screen
 - iv. Leave Screen

12 Sales & Distribution Flow

- ✓ Sales Cycles
 - i. Inquiry
 - ii. Quotation
 - iii. Purchase Order (MM)
 - iv. Sales Order
 - v. Delivery
 - vi. Billing
 - vii. Returning Customer