SAP ABAP Course Curriculum _ Global Coach

Duration	Mode of Training	Location	Contact
2 Months	Class Room / Online	Madhapur / Panjagutta	7337376600 / 7995337427

INTRODUCTION

- ERP Overview
- Business Process in Enterprise
- Various ERP Packages
- About SAP
- Features and advantages of SAP
- Technical Features of SAP

ARCHITECTURE OF R/3 SYSTEM

- Client/Server Architecture
- Two-tier Vs Three tier Environments
- Multi tier Architecture
- Login & Logoff Procedure
- Navigation
- Introduction to SAP screen environment

COMPONENTS OF ABAP DICTIONARY

- Database Tables
- Data Elements
- Domains
- Structures
- Views: Database View, Projections View, Help View, Maintenance View
- Table Types
- Type Groups
- Search Help: Elementary And Collective
- Lock Objects

ABAP PROGRAMMING

- Introduction to ABAP Editor
- ABAP Programming Features
- Keywords
- Data Types and Data Objects
- Operators
- String Handling

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- Conditional Statements and Looping Structures
- Field Symbols
- ABAP Development Workbench
- Package Builder

ABAP DATABASE ACCESS

- Open SQL
- Definition & Creation of Internal Tables
- Different Internal Table Types
- Different Operations on Internal Tables
- Control Level Processing
- Events and Joins

MODULARIZATION TECHNIQUES

- Includes
- Subroutines: Types, Pass by value, pass by reference, pass by value and reference
- Function Modules, Exception Handling

OPEN SQL AND ADDITIONAL TOPICS

- Different Select Statements
- Different Write Formats
- Message Class
- Selection Screen Designing
- Inter programming Communication

LIST GENERATION TECHNIQUES

- List Requirement & Introduction
- Classical List
- Interactive List
- Abap List Viewer
- Logical Database

PERFORMANCE ANALYSIS

- Reporting Standards
- Extended Program Check
- Debugger
- Runtime Analysis
- SQL Trace
- Code Inspector
- Advisable Select Statements
- Performance Factors on Database Tables and Internal Tables

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THE WORKBENCH ORGANIZER TRANSPORT SYSTEM

- Change Request Version Management
- Releasing Tasks and Releasing Request
- Transport

DIALOG PROGRAMMING

- Introduction
- Screen Painter
- Menu Painter
- Table Control
- Tab strip Control
- Field Validation
- Calling Screen Sequence
- Changing Screen Attributes Dynamically

DATA MIGRATION TECHNIQUES

- Requirement
- Direct Input Method
- Background Processing
- Conversion
- Interface Programming Using BDC Call Transaction and Session Method
- Recording Method
- Data Sets (Application Server File Handling)
- Legacy System Migration Workbench (LSMW)

SMART FORMS

- Designing Custom Smart forms
- Form Painter
- Table Painter
- Field List
- Style Builder
- Text Modules
- Print Program

OVERVIEW OF INTERACTIVE FORMS BY ADOBE

OBJECT ORIENTED ABAP

- Introduction
- Keywords
- Class Builder
- Objects
- Local and Global Class Creation
- Object Handling
- Methods

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- Abstraction, Encapsulation
- Inheritance, Polymorphism
- Event Handling
- Interface

ENHANCEMENTS

- Requirements
- SMOD / CMOD
- Function Exit
- Menu Exit
- Screen Exit
- Text Enhancement
- Table Enhancement

BUSINESS ADD INS

- Introduction to BAdIs
- Difference between Customer Exists and BAdIs
- Implementation of BAdIs
- Function Implementation
- Screen Implementation
- Menu Implementation
- Definition of new BadIs

CROSS APPLICATIONS

INTRODUCTION TO DISTRIBUTED DATABASE ENVIRONMENT

- Introduction to Cross Application Architecture
- Preparing RFC (Remote Function Calling) Destinations
- Develop and call Remote Functions
- Working with RFC function modules

IDOC Interface

- Basics
- Architecture
- Segment Creation
- Idoc Creation
- Logical Messages
- Processing Idoc
- Monitoring
- Documentation
- Need in ALE, EDI and BAPI
- Programming Idoc's
- Customer Modifications to the Idoc Interface
- Extending and Developing a Basic IDOC Type

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- Programming in the IDoc Interface
- Customizing the Interface for New or Extended IDocs.

REMOTE FUNCTION CALL (RFC)

- Introduction
- Preparing RFC Destinations
- Develop and call Remote Functions
- Types of RFC
- Synchronous RFC
- Asynchronous RFC
- Transactional RFC.

APPLICATION LINK ENABLING (ALE)

- Introduction,
- Concepts of data and process distribution
- Reasons for data and process distribution
- ALE Concepts and Features
- ALE Technology
- ALE Components for Outbound Process
- ALE Components for Inbound Process
- Configuring ALE
- Testing ALE

ELECTRONIC DATA INTERCHANGE (EDI)

- Introduction
- EDI Standards
- History of EDI
- EDI Benefits
- Configuring and Testing EDI in SAP

BUSINESS APPLICATION PROGRAMMING INTERFACE (BAPI)

- Business Framework Architecture
- Introduction to BOR
- Creating BAPI, R/3 to R/3, VB to R/3 using Bapi, Java to R/3 using Bapi.
- Reporting Using Bapi
- Data Upload Using Bapi Structures
- Working with BAPI Explorer

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