SAP ABAP
COURSE CURRICULUM

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SAP ABAP COURSE CURRICULUM

INTRODUCTION
- ERP Introduction & Role of ERP in SAP Products
- 2-tier, 3-tier & R/3 Architecture
- SAP Logon (Local & Remote)
- Development Execution Model (Onsite & Offshore)
- Roles & Responsibilities in the Development Environment

ABAP BASICS
- Data Types
- Program Flow Controls
- String Operations
- Structures
- Internal Tables
- Sample Programs

DEVELOPMENT PROCESS
- Naming Standards
- Coding Standards
- Performance Checklists
- SDLC & CMM Quality Process
- ASAP Methodology

FUNCTIONAL PROCESS OVERVIEW & DATABASE DESIGN
- Organization Levels in MM & Other Organization Elements
- Procurement Life Cycle
- Detailed Analysis of Purchasing Applications
- Backend System and Database Requirements
- Database Concepts & Table Design with SAP Standard Applications

OPEN SQL
- Different SQL Statements with Performance Analysis
- Query Optimization & Performance Tuning

MODULARIZATION TECHNIQUES
- Includes
- Subroutines
- Functional Modules
- Code Redundancy Handling

REPORTS
- Selection Screens
- Event Programming
- Menu Painter
- Classical Reports
- Interactive Reports
- Control-Break Statements
- Report Transactions & Variants
- Foreground / Background Execution
- Models & Background Job Scheduling
- Scenarios Used in Development Environments

BDC (Batch Data Communication)
- Presentation & Application Server File Operations
- Material Master Business Flow & Application
- Transaction Recording
- Session Method
- Call Transaction
- Detailed BDC Analysis with Live Examples
- BDC Scenarios with Development Standards
- MM (Material Management) & WM (Warehouse Management) Scenarios

ABAP DICTIONARY
- Tables, Data Elements, Domains, Structures
- Views, Search Helps & Lock Objects
- Table Types & Programming Table Types
- Logical Unit of Works & Database Updates
- ABAP Memory & SAP Memory

DIALOG PROGRAMMING
- Module Pool Programming Techniques
- Screen Painter
- Event Handling in Dialog Flow Logic
- Screen Elements with Examples
- Sub-screens, Table Control, Tabstrip Controls
- Confirmation Pop-ups
- Dropdowns & F4 Help Fields
- List to Dialog & Dialog to List Navigation
- Interview Questions & Scenario-based Examples

CUSTOMER ENHANCEMENTS
- User Exits, Function Exits, Menu Exits, Screen Exits
- Business Add-Ins (BADI's) with MM Scenarios (Info Records)
- Functional Process Discussion on Project System (PS)

SAP SCRIPTS
- Form Design
- Modifying Standard Layouts
- SAP Scripts with SD (Sales & Distribution) Business Flow
- Image Loading
- Interview Questions

SAP TRANSPORT MANAGEMENT SYSTEM
- Transport Requests
- Transport Releases
- Change Request Management Process

ALV (ABAP List Viewer)
- Simple ALV
- Interactive ALV Lists

SMART FORMS
- Designing Smart Forms

LSMW (Legacy System Migration Workbench)
- Recording Method
- Direct Input Method

CROSS APPLICATIONS
- RFC (Remote Function Call)
   Synchronous RFC
   Asynchronous RFC
   Transactional RFC
   RFC Callbacks

BAPI (Business Application Programming Interface)
- Introduction to BAPI
- Business Object Repository
- Business Object & BAPI Developments
- Different BAPI Usage Scenarios
- Subtype Development

WORKFLOW
- Workflow Introduction
- Runtime Environment Customization
- Workflow Scenario Development
- Triggering Workflows via Events

ALE / IDOC
- Introduction to Distributed Business Model
- Application Linking & Enabling Configuration
- Standard Message Type-Based Distributed Business Model
- Custom IDOC Development
- Outbound Program & Inbound Function Module

OO–ABAP (Object-Oriented ABAP)
- Object-Oriented Concepts
- OO Design & Programming
- Local & Global Classes
- Inheritance & Class Development

Thank you

📌 **NEXT STEPS**
• Start practicing with real-world use cases and hands-on exercises
• Build personal or client-based projects for your portfolio
• Keep exploring updates and best practices in the industry
• Join discussions and stay connected with the community

📞 **Need Help or Guidance?**
Feel free to contact our course support team:
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