

SAP ABAP COURSE CONTENTS

❖ INTRODUCTION TO ERP:

❖ SAP R/3 Architecture:

- The R/3 basic system : Overview
- Features of SAP R/3
- System Landscape

❖ ABAP DICTIONARY

- Tables,
- Views,
- Data Type-Data Element, Structure, Line type, Table type
- Domains,
- Type Groups,
- Search Help
- Lock Objects

❖ ABAP BASIC PROGRAMMING

- Data Types,
- Data Objects,
- Special Data Objects [Parameters],
- Select-options,
- String Operations,
- Internal Tables,
- Write statements,
- Data extraction using open SQL statements,
- Joins (Inner Joins and Left Outer Joins),
- Modularization Techniques (Includes, Subroutines, Function Modules).
- Control break Reporting
- Message classes

❖ BATCH DATA CONVERSION (INTERFACE PROGRAMMING)

- Data Transfer techniques to transfer data in to the R/3 system from a Legacy file.
- Call Transaction Method to migrate the data into SAP.
- Session Method to migrate the data into SAP.
- LSMW (Legacy System Migration Workbench) using Batch/Direct Input method and Using Recording.

❖ DIALOG PROGRAMMING:

- Screen Painter,
- Menu Painter,
- Programming (PBO, PAI),
- Step loop
- Table control handling.

❖ ABAP REPORTING

- Classical Reports,
- Interactive Reports,
- LDB (Logical Database),
- EVENTS,
- **ALV** Reporting (List, Grid and Interactive),

- Runtime analysis,
- Performance Analysis using SQL Tracer and Performance Tunning.

❖ **FORMS (SAP SCRIPTS, SMARTFORMS and Adobe Forms):**

- Creating Layout,
- Designing Forms,
- Uploading Logos,
- Working with Styles and Standard Texts.
- **NACE** configuration.
- Advantages of SMARTFORMS over Scripts, Creation of SMARTFORMS.
- Introduction of **Adobe forms**
- Print forms
- Interactive forms

❖ **ADVANCED ABAP CONTENTS:**

- ABAP Objects [OO ABAP]
- OO Ps Concepts
- Writing global classes
- Inheritance
- Abstract, Friend, Final Classes
- Interfaces
- Event Handling
- Working With exceptions
- List Reporting using classes
- Working with Standard Classes
- ALV Reporting [Using Classes]
- Simple grid
- Interactive grid
- Splitter Control
- Tree View Control

❖ **ENHANCEMENTS AND BUSINESS ADD INS (BADI):**

- User Exits
- Function Exit
- Field Exit
- Screen Exit
- Menu Exit

❖ **BADI Definition and Implementation:**

CROSS APPLICATIONS

- ❖ **Introduction**
- ❖ **IDOC (Intermediate Document)**
- ❖ **ALE (Application Link Enabling)**
 - Between R/3 to R/3 Systems,
 - Concept of ALE Between R/3 to Non-SAP Systems, \
 - Implementing message Control,
 - Change pointer Method,
 - Message Types,
 - Customer Distribution Model, Partner Profile.
- ❖ **BAPI (Business Application Programming Interface), BOR.**
 - Introduction to BAPI
 - Advantages of BAPI
 - Use of BAPI in Business objects
- ❖ **EDI (Electronic Data Interchange):**
- ❖ **Introduction of Workflow concepts.**
- ❖ **Flow of MM, FI Modules**
- ❖ **Project Implementation Scenario**
- ❖ **Project Life Cycle**

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