

SAP ABAP

CURRICULUM

1

INTRODUCTION TO ERP AND ABAP/4 LANGUAGE

Overall introduction to ERP

Introduction ERP R/3 architecture,

Introduction to ERP SAP ABAP/4

ABAP/4 editor (Focus on the functionalities of new ABAP editor)

Data types

Output statements

Writing small programs

Arithmetic operations

String operations

Control statements

Parameters

Open SQL –statements {insert, modify, delete, update}.

Simple reporting

Selection screens

Transaction code creation

Data Dictionary

Tables

Data element

Domain
Structures
Search helps
Views
Type Groups
Table maintenance generator and T-code creation
Primary and foreign keys.
Check and value tables.

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REPORTING

Debugging techniques
Breakpoint creation.
Watch point creation.
Emphasize on the usage of New Debugger.
Internal tables
Declaration
Processing
Population
Control Break Statements.
Modularization techniques.
Includes.
Subroutines.
Function modules.
Macros
Variants.

Conversion exits.

For all entries and joins {inner and left outer}.

Message class creation & message types and handling messages.

Events for classical reports.

Events for interactive reports.

Hide and hotspot.

Creating and handling buttons.

Menu painter.

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ABAP OOPS

Fundamentals of OOPS.

Introduction to Local classes and methods

Importance of Public, Private and Protected sections.

Simple reporting using local classes and methods.

Global classes and interfaces.

Usage of global classes in the reports.

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ALV

Introduction.

Types of ALV

Simple report to display simple ALV List using Function Modules

Simple report to display simple ALV grid using Function Modules.

Interactive ALV Reports.

Working with OOALV using classes (List, Grid).

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DIALOG PROGRAMMING

Introduction to screen painter and dialog programming.

Flow logic

PAI.

PBO.

POV.

POH.

Screen designing.

Programming in object browser.

Field validations.

Creation of

Table Controls.

Tab Strips.

Dynamic Screen.

Call Screen.

Set Screen.

Leave to Screen.

Leave Screen.

Processing of list from transaction and vice versa.

Screen table and its fields.

Lock objects.

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INTERFACE PROGRAMMING

Why Data Transfers
Introduction to BDC.
File Handling.
Presentation server.
Application server.
Recordings.
Methods in BDC.
Call transaction.
Session method.
Error Handling in Call Transaction.
Legacy System Migration Workbench (LSMW)
Different methods.
Steps to Create an LSMW Project.
Flat file creation.
Uploading data.

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ERP Scripts

Introduction.
Layout Sets.
ERP Script Elements.
Modifying standard layout sets (by using subroutines).
Including logo.
ERPscript Control Commands.

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SMARTFORMS

Working with smart forms.
Standard Texts.
Graphics management.
Writing print program and designing layouts.
Output type configuration to standard orders.

9 **ADOBE FORMS / INTERACTIVE FORMS (PDF)**

Introduction

10 **MISCELLANEOUS TOPICS**

ERP System Landscape.
Correction and Transport System (CTS).
Transport Organizer.
Workbench Request.
Task Creation.
Merging Requests
Release Requests.
ERP memory.
SET/GET parameters.
ABAP memory.
Imports/ Exports.
Logical Database and Handling Events (LDB).
Field symbols.
SD flow.
MM flow.

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FUNCTION MODULES

- Concepts of Function Group.
- Different Types FMs.
- Concepts of FM interface.
- Concepts of Update Programs.

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CROSS APPLICATION

- Introduction to CA.
- RFC destination.
- Working with RFC function modules.

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IDOCS

- Concepts of IDOCS.
- Structure of IDOCS and Types.
- Creation of segments
- Creation of IDOCS.
- Using standard message types

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ALE

- Defining logical systems used for ALE interfaces.
- Outbound / Inbound processing.
- Transferring of master data from one system to another system.



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BAPI and Business Objects

Introduction to BAPI

Overview of Business Objects.

Step By Step Approach followed to create BAPI

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ENHANCEMENTS

Introduction to enhancements.

Different Ways of doing Enhancements.

User Exits.

Introduction to BADI

How to implement BADI

Overview on Enhancement Spots, Enhancement Section, Enhancement Implementations and Class Enhancement

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ERP WORKFLOW

Introduction of ERP WORKFLOW.

Introduction of different elements of Workflow.

Introduction to concepts of Binding.

Introduction to Business Object Events

Simple practical examples of ERP Workflow



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