

SAP ABAP PROGRAMMING SYLLABUS

- Overall introduction to ERP
- Introduction SAP R/3 architecture, Introduction to 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.

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.

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.
- Adding new buttons in the ALV toolbar and handling events.
- Working with ALV using classes (List, Grid and Tree).
- Usage of latest class library in ECC 6.0 for ALV.

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
 - Normal Screens
 - Sub Screens.
 - 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.

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.
- Handling Table Controls in BDC and Screen Resolutions.
- Mass Updation.
 - Vendor master.
 - Customer master.
- Legacy System Migration Workbench (LSMW)
 - Different methods.
 - Steps to Create an LSMW Project.
 - Flat file creation.
 - Uploading data.

SAP Scripts

- Introduction.
- Layout Sets.
- SAP Script Elements.
- Modifying standard layout sets (by using subroutines).
- Uploading logo.

SMARTFORMS

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

ADOBE FORMS / INTERACTIVE FORMS (PDF)

- Introduction
- Overview on Form Interface and Layout sets

MISCELLANEOUS TOPICS

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

CROSS APPLICATION

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

IDOCS

- Concepts of IDOCS.
- Structure of IDOCS and Types.
- Creation of segments
- Creation of IDOCS.
 - Basic.
 - Extension.
- Creation of message types.
- Monitoring tools of IDOC interface.
 - Statistics.
 - Display IDOCS.
 - IDOCS list.

ALE

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

- IDOC filtering.



- Segment filtering using filter objects.
- Reduced IDOC.

- Outbound using change pointers methods.

EDI

- Overview and architecture.

BAPI and Business Objects

- Introduction to BAPI
- Overview of Business Objects.
- Step By Step Approach followed to create BAPI.

ENHANCEMENTS

- Introduction to enhancements.
- Different Ways of doing Enhancements.
- Types of User Exits.

- Field Exits
- Menu Exit
- Function Exit.
- Screen Exi