

# BASIC ABAP/4

TOTAL DURATION: 80HRS

## 1) INTRODUCTION TO SAP

- SAP System Environment
- Type of SAP server
- How to start & how to stop of sap server
- IMG activity configuration activity
- Table maintenance
- Online support system

## 2) ASAP METHODOLOGY

### Phases of project

- Project preparation
- BBP (Business Blue Print)
- Configuration /customization
- Final preparation
- Go live

## 3) INTRODUCTIONS ARCHITECTURE OF SAP

- Overall introduction to ERP
- Sap r/1 system Architecture
- SAP R/2 system Architecture
- SAP R/3 System Architecture
- Logical representation of R/3
- Introduction to SAP ABAP/4

## 4) INTRODUCTIONS TO SAP AND ABAP/4 LANGUAGE

- 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

## 5) DATA DICTIONARY

- Tables
- Data element
- Domain
- Append Structures
- Search helps
- Views
- Types of table views in Dictionary
- Function Group
- Type Groups
- Table maintenance generator
- Primary and foreign keys.
- Check and value tables.

## 6) DEBUGGING TECHNIQUES

- Breakpoint creation.
- Watch point creation.
- Emphasize on the usage of New Debugger.
- Internal tables • Declaration
- Processing.
- Population.
- Control Break Statements.

## 7) MODULARIZATION TECHNIQUES

- Includes Program me
- Subroutines.
- Function modules.
- Macros Variants. 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.

## 8) DIALOG PROGRAMMING/ MODULE POOL

- 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 control.
- Dynamic Screen.
- Call Screen.
- Set Screen.
- Leave to Screen.
- Leave Screen.
- Processing of list from transaction and vice versa.
- Screen table and its fields.
- Transaction
- Messages
- Database records
- Create, update ,delete
- Menu Painter
- Screen Painter

## 9) ABAP REPORTS

- Introduction
- Events
- Types of reports
- Classical reports
- Interactive reports Designing selection screen

## 10) SAP SCRIPTS

- Introduction.
- Layout Sets,
- Page, window, paragraph format & character format
- Creation of sap script forms
- Types of window
- Graphics
- Print Program/driver program in details
- Text element
- Symbol
- Standard text
- SAP Script Elements.
- Modifying standard layout sets (by using subroutines).
- Including logo.
- SAP script Control Commands.

## 11) SMART FORMS

- Introduction
- Difference between sap script & smart form
- Driver program for smart form
- Types of window
- Smart style
- Types of text
- Table painter
- Working with smart forms.
- Standard Texts.
- Graphics management.

- Writing print program and designing layouts.
- Output type configuration to standard orders.

## **12) BDC (BATCH DATA COMMUNICATION)**

Why Data Transfers

- Introduction to BDC
- Concept of BDC

Types of BDC

File Handling.

- Presentation server.
- Application server
- Recording
- Methods in BDC.
- Call transaction methods
- Session method.
- Uploading data
- Error Handling in Call Transaction
- Implementation of recording on session as well as call transaction method

## **13) Legacy System Migration Workbench (LSMW)**

- LSMW (Migration of the Data from Non SAP to SAP System)
- Different methods.
- Steps to Create an LSMW Project.
- Flat file creation.
- Uploading data.

**1) Regular Classes**

**Duration: 30-35 days**

**2) Weekend Training Classes**

**Duration: 8-10 Weeks**

**3) Fast Track Training Program (5+ hours daily)**

**Duration: within 15 days**