

SAP ABAP Training

Duration: 30-40 Hours

Prerequisites

- Basic Knowledge of DBMS.

Course Content

1. SAP Overview

- Introduction to SAP
- Introduction to ERP
- SAP R/3 Architecture
- Software Oriented View
- Implementation lifecycle overview- Business Blue Print, Gap Analysis, Business Process Re-Engineering.

2. Introduction to ABAP

- Characteristics of ABAP
- Workbench Architecture
- Introduction to Data Dictionary
- Repository Information
- ABAP Statements
- Creating Programs and Changing Programs
- Processing Blocks in ABAP

3. Components of ABAP Dictionary

- Data Elements
- Domains
- Tables
- Structures
- Views
- Search Help Object
- Lock Objects

4. Internal Tables

- Types of Internal Tables
- Creating and Processing Internal Tables
- Joins

5. ABAP Programming Language

- Data Types
- Input/output Statements
- System Fields
- Conditional Statements
- Loops
- Field Symbols.

6. Modularization

- Macros
- Include Programs
- Sub Routines

- Function Modules

- Type pools

7. Debugger

- Breakpoints in program
- Debugging Techniques in ABAP

8. Report Programming

- Classical
- Interactive
- ALV
- Selection Screen

9. Dialog Programming

- Screen Painter
- Flow Logic
- Layout
- MenuPainter

10. Performance Tuning

- Types of Program analysis
- Static Checks
- Short Dump Analysis
- Performance Tools Runtime Analysis SQL Trace

11. Data Migration

- Data Migration reports
- Batch Data Communication (BDC)
- Legacy System Migration Workbench (LSMW)

12. Forms

- SAPscript
- Smartforms

13. Enhancements

- User Exit
- Customer exits
- Business Add Ins

14. Concepts of:

- Business Application Programming Interfaces (BAPI)
- Remote Function Calling (RFC)
- Application Link Enabling (ALE) /Intermediate Document (IDOC)

15. Real time scenarios of all the following content:

- Introduction of the SAP system and ABAP
- The logon process
- The GUI
- ABAP Workbench
- ABAP Dictionary

16. (Create tables, structures domains, data elements accessing the standard table entries)

- ABAP programming in ABAP Editor
- Internal tables
- Data access
- Modularization techniques: subroutines, function modules, RFC

17. Report (Normal, ALV & Interactive)

- Dialog programming in ABAP (Module pool Program)
- Data transfer techniques: BDC and LSMW
- BAPI
- SAP script and Smart Forms & Adobe Form
- Creating reports in the SAP system
- (Normal and Interactive Reports)
- Defining and implementing BADIs
- Enhancements

18. (With all the real time scenarios)

- ALE & RFC (Developer Concepts)
- Object orientation in ABAP

19. (Creation of classes and methods accessing classes)