

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. Object Oriented ABAP**
 - Classes
 - Polymorphism
 - Inheritance
 - Interfaces
 - Exceptions
 - Events
- 9. Report Programming**
 - Classical
 - Interactive
 - ALV
 - Selection Screen
- 10. Dialog Programming**
 - Screen Painter
 - Flow Logic
 - Layout
 - MenuPainter
- 11. Performance Tuning**
 - Types of Program analysis
 - Static Checks
 - Short Dump Analysis
 - Performance Tools Runtime Analysis SQL Trace
- 12. Data Migration**
 - Data Migration reports
 - Batch Data Communication (BDC)
 - Legacy System Migration Workbench (LSMW)
- 13. Forms**
 - SAPscript
 - Smartforms
- 14. Enhancements**
 - User Exit
 - Customer exits
 - Business Add Ins
- 15. Concepts of:**
 - Business Application Programming Interfaces (BAPI)
 - Remote Function Calling (RFC)
 - Application Link Enabling (ALE) /Intermediate Document (IDOC)

16. Real time scenarios of all the following content:

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

17. (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

18. 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

19. (With all the real time scenarios)

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

20. (Creation of classes and methods accessing classes)