

ERP (SAP)

Advanced Business Application Programming (ABAP/4)

ABAP / 4 - ABAP is SAP's fourth generation language. All of R/3's applications and even parts of its basic system are developed in ABAP. ABAP is used for customization and modification of SAP applications.

This course will give you a good and broad overview of ABAP / 4. The course is divided into these sections:

- **ERP OVERVIEW**
 - Introduction to ERP
 - ERP Specifications
 - ERP System
 - Types of ERP Packages
 - ERP vs. Non ERP products
- **LIFE CYCLE IMPLEMENTATION OF ERP**
 - Functional Requirements
 - Technical Requirements
 - Business Blue Print
 - Gap Analysis
 - Business Process Re-Engineering
- **ERP R/3 ARCHITECTURE**
 - Logical View
 - Software Oriented View
 - Advantages of Multi tier Architecture
 - Application Servers
 - Work Processes
- **INTRODUCTION TO ABAP**
 - Characteristics of ABAP
 - Structure of ABAP Program
 - Processing Blocks in ABAP
 - ABAP Statements
 - LDB and Contexts
 - Memory Structure
 - Creating and Changing Programs
- **ABAP PROGRAMMING LANGUAGE**
 - Data Types
 - Operators
 - String Operations
 - Field Symbols
 - Decision and Control Structures
- **COMPONENTS OF ABAP DICTIONARY**
 - Data Elements
 - Domains
 - Tables
 - Structures
 - Views
 - Search Help Objects
 - Lock Objects
- **INTERNAL TABLES**
 - Types of Internal Tables

- Creating and Processing of Internal Tables
- Joins
- Cursors
- **MODULARIZATION & INTER PROGRAMMING COMMUNICATION**
 - Macros
 - Include Programs
 - Sub Routine Pools
 - Function Modules
 - Type Pools
- **REPORTS & Event Handling**
 - Classical Reporting
 - Interactive Reporting
 - Control Break Events
- **USER DIALOGS**
 - Screen Painter
 - Flow Logic
 - Layout
 - Selection Screens
 - Menu Painter
 - Messages & Message Classes
- **DATABASE ACCESS**
 - Open SQL
 - Native SQL
 - Logical Database
 - Contexts
 - Database Updatesr
- **ABAP QUERY**
 - Single Node
 - Multiple Node
 - Static List
 - Ranked List
- **Batch Data Communication**
 - Direct Input
 - Call Transaction
- **ERP SCRIPTS / FORM PAINTERS**
- **LSMW (LEGACY SYSTEM MIGRATION WORKBENCH)**
- **DEBUGGING**
- **CROSS APPLICATIONS**
 - INTRODUCTION TO CROSS APPLICATIONS
 - ABAP OBJECTS
 - RFC (REMOTE FUNCTION CALLING)
 - ALE (APPLICATION LINK ENABLING)
 - IDOC (INTERMEDIATE DOCUMENT)
 - USER EXITS
 - ALV (ABAP LIST VIEWER)
 - ITS (INTERNET TRANSACTION SERVER)
 - INTRODUCTION TO CATT (COMPUTER AIDED TESTING TOOL)