

# Learning Hub

SAP Real Time Training With Excellence and commitment

## Course Content for SAP ABAP

- 1. Introduction to ERP**
- 2. SAP R/3 Architecture**
  - a. Functionality of SAP R/3 Architecture
  - b. Features of SAP R/3 Services
- 3. ABAP Data Dictionary**
  - a. Tables (Designing and behavior)
  - b. Views
  - c. Structures
  - d. Data Elements and Domains
  - e. Search help functionality
  - f. Lock objects
  - g. Table maintenance
- 4. ABAP programming and Reports**
  - a. Data types and Data objects functionality
  - b. Parameters, select-options, ranges definition and usage
  - c. Field string concepts
  - d. Internal tables and Internal tables events
  - e. SQL statements
  - f. Introduction to SAP R/3 pre-defined tables from functional modules like MM/SD/FI

### **Reports:**

- a. Events
- b. Classical reports and Interactive reports
- c. Designing selection-screen (with radio buttons, blocks, checkboxes etc.)
- d. Variants and back ground job scheduling
- e. ALV and GRID reporting / Blocked ALV's
- f. Debugging (important)

### **5. Performance Tools:**

- a. SQL Trace
- b. Run-time Analysis
- c. Performance tuning

### **6. Modularizing Techniques:**

- a. Subroutines
- b. Function modules ( use in Back ground job scheduling)
- c. Field-Symbols
- d. Includes
- e. Macros

- 7. Transport management system (CTS) and understanding system landscape and ASAP methodology (Life cycle)**

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## **8. Dialog programming (Transactions):**

- a. Module pool program (Programming, flow logic, layout design)
- b. PBO/ PBI/POV/POH functionality
- c. Logical Unit of Work (LUW)
- d. Screen painter, menu painter functionality
- e. Table controls, sub-screens
- f. Tabstrips implementation in client scenarios

## **9. Batch Data Conversion (BDC's):**

- a. File handling techniques
- b. Session method
- c. Call transaction methods
- d. Implementation on session and call transaction Methods on MM01, XD01, XK01 applications
- e. Implementations of Recording on Session as well as Call Transaction Method
- f. Logical file handling using Open dataset concepts
- g. Direct Input method
- h. LSMW (Legacy system Migration Workbench)

## **10.SAP Scripts and Smart Forms**

- a. Creating layout sets, defining a logo in layout sets, Styles and texts
- b. Print program and attaching layouts to reports
- c. Modifying pre-defined layouts
- d. Implementation scenarios

## **11.Introduction to OO-ABAP**

### **Cross Application Components**

## **12.Introduction to distributed Environments and Cross Application Architecture**

## **13.IDOC's (Intermediate Document)**

- a. IDOC basis and architecture
- b. IDOC structure and IDOC Types

## **14.ALE (Application Link Enabling)**

- a. Application of ALE between R/3 to R/3 system and between R/3 to Non-SAP systems
- b. Message controls
- c. Message Types
- d. Customer Distribution Model
- e. Partner Profile and its application
- f. Change pointer functionality

## **15.EDI (Electronic Data Interchange) and BAPI (Business Application Programming Interface)**

## **16.ENHANCEMENTS:**

- a. User\_Exits/ Menu\_Exits/ Function\_Exits
- b. Concepts of Business Add-Ins (BADI's)

\*\*\* We assist our student in securing a descent placement after the completion of the course\*\*\*