



SAP-S4/HANA ABAP

COURSE CURRICULUM



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ABOUT US



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OUR VISION & MISSION



VISION

Deliver top industry training to our students and guarantee ethical placement without fake promises

MISSION

Transforming the contemporary IT workforce of India through industry-leading training and education in the most sought-after skill sets.

ABOUT SAP ABAP COURSE

ABAP (Advanced Business Application Programming) is the name of SAP's proprietary, fourth-generation programming language. It was specifically developed to allow the mass processing of data in SAP business applications.

ABAP is a multi-paradigm programming language, meaning programmers can utilize procedural, object-oriented, and other programming principles.

While it is SAP's primary programming language, programs written with ABAP can run alongside those based on other programming languages such as Java, JavaScript, and SAPUI5



Course Curriculum

Introduction to SAP

- What is SAP
- R/2 Purpose of R/3
- SAP R/3 architecture

Introduction to ABAP Programming

- ABAP Statements
- Statements & keywords
- ABAP data types
- Introduction to ABAP Program
- Global parameters

Control Structures / Branching

- IF-ELSE/ELSEIF-ENDIF
- CASE-WHEN-ENDCASE

Looping & Strings

- Conditional(DO-ENDDO)
- Un Conditional(WHILE-ENDWHILE)
- String Operations

Creation of Tables

- Purpose
- Types of tables



Course Curriculum

- Steps to create the table
- Structures
- Foreign key Relationship
- Views
- Lock objects
- Search Helps

Internal Tables

- Introduction & Purpose of Internal Tables
- Declaring internal tables
- Types of internal tables

Open SQL

- Types of commands
- DDL,DML,DCL commands

ABAP Debugger

- Purpose
- Features
- Break points
- Watch Points

Modularization Techniques

- Introduction
- Include programs
- Macros
- Subroutines Function Modules



Course Curriculum

Reports

- Introduction & Purpose
 - Types of Reports
 - Classical Events in Detail
 - Interactive Events in Detail Joins
- For all Entries

Batch Data Communication (BDC)

- Overview of BDC
- Types of BDC Programming
- Call Transaction in Detail
- Session Method in detail
- Recording in BDC Programming

LSMW / SAP Scripts

- Introduction and purpose
- Sap script components
- Creation of forms
- Single and many forms

Smartforms

- Features of smart forms
- Types of windows
- Types of text elements
- Table painter
- Calculations in table painter
- Program lines



Course Curriculum

Transaction/Dialog/Module Pool Programming

- Introduction and purpose
- Screen painter, menu painter
- Flow logic & Flow logic Keywords
- Sub screens & Sub Screen Areas
- Tab strip control
- Table control

BAPI (Business Application Programming Interface)

- Introduction to BAPI
- Standard BAPI & Custom BAPI

ALE (Application Link Enabling) IDCOS

- Introduction to ALE Technology
- Idocs in Detail
- Inbound Idoc Process
- Outbound idoc
- ALE Communication Settings
- Distributing master idoc through standard idoc
- Custom idoc development & Programming



Course Curriculum

Object Oriented ABAP: What is object orientation?

Encapsulation and Abstraction

- Class definition
- Class implementation

Interfaces

- Super class and Sub class
- Types of inheritances

Events

- Definition
- Triggering
- Handling

Miscellaneous Concepts

- Constructor
- Abstract class
- Friend class
- Persistent class
- Singleton Class

ALV (ABAP List Viewer)

- Classical ALV
- Interactive ALV
- Blocked ALV
- Hierarchal ALV
- Field Catalog



Course Curriculum

ALV (ABAP List Viewer)

- Simple ALV
- Interface ALV
- Adding custom Buttons
- Coloring rows, columns, Cells

Enhancement & Exits

- Finding Exits
- Implementing exits
- Function module exits
- Screen exit

CERTIFICATION

A certificate of Achievement will be given granted once the course is completed





THANK YOU !

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