

S4D400 - Basic ABAP Programming

Course Duration: 40 Hours

Course Code : S4D400

1. Course Overview

The **S4D400 - Basic ABAP Programming** course provides a strong foundation in **ABAP development within SAP S/4HANA**. It introduces participants to ABAP programming concepts, syntax, and tools used for developing custom applications. The course covers fundamental programming techniques, modularization, database access, and debugging, enabling learners to build and maintain efficient ABAP-based solutions for SAP systems.

2. What You'll Learn

- Introduction to **ABAP programming environment** and tools.
- Basic ABAP syntax, data types, and structures.
- Modularization techniques (subroutines, function modules).
- Database access using **Open SQL**.
- Creating reports and dialog programs.
- Debugging, testing, and troubleshooting ABAP applications.
- Basics of ABAP Objects and object-oriented programming.

3. Target Audience

- ABAP beginners and junior developers.
- Technical consultants working with **SAP S/4HANA**.
- Application developers who want to build custom SAP solutions.
- Professionals seeking to start a career in **SAP ABAP development**.

4. Pre-Requisites

- Basic knowledge of programming concepts.
- Understanding of SAP navigation and business processes is helpful.

5. Course Content

Module 1: Introduction to ABAP and SAP Development Tools

Module 2: ABAP Syntax, Data Types, and Operators

Module 3: Modularization Techniques in ABAP

Module 4: Working with Internal Tables and Structures

Module 5: Database Access Using Open SQL

Module 6: Developing Classical Reports and Dialog Programs

Module 7: Error Handling, Debugging, and Testing

Module 8: Introduction to ABAP Objects (OO ABAP Basics)