



FUTURE TECHNOLOGY FOUNDATION

SAP ABAP PROGRAMMING SYLLABUS

➤ **Overall introduction to ERP**

- Introduction SAP R/3 architecture, Introduction to SAP ABAP/4
- ABAP/4 editor (Focus on the functionalities of new ABAP editor)
- Data types
- Output statements
- Writing small programs
- Arithmetic operations, String operations
- Control statements, Parameters, Open SQL –statements (insert, modify, delete, update).
- Simple reporting, Selection screens
- Transaction code creation
- Data Dictionary: 1. Tables. 2. Data element, 3. Domain & Structures, 4. Search helps, Views, Type Groups Table maintenance generator and T-code creation, Primary and foreign keys, Check and value tables.

➤ **REPORTING**

- Debugging techniques: Breakpoint creation. Watch point creation. Emphasize on the usage of New Debugger.
- Internal tables: Declaration. Processing. Population.
- Modularization techniques: Includes. Subroutines. Function modules.
- Hide and hotspot.

➤ **ALV**

- Introduction.
- Types of ALV
- Simple report to display simple ALV List using Function Modules
- Simple report to display simple ALV grid using Function Modules.
- Interactive ALV Reports.

- Working with ALV using classes (List & Grid).

➤ **DIALOG PROGRAMMING**

- Introduction to screen painter and dialog programming.
- Flow logic: 1.PAI. 2. PBO. 3. POV. 4. POH.
- Screen designing.
- Programming in object browser.
- Field validations.
- Creation of Normal Screens, Sub Screens, Table Controls, Tab Strips.
- Dynamic Screen. Call Screen, Set Screen, Leave to Screen, Leave Screen.
- Processing of list from transaction and vice versa.

➤ **INTERFACE PROGRAMMING**

- Why Data Transfers
- Introduction to BDC.
- Recordings.
- Methods in BDC: Call transaction & Session method.

➤ **SMARTFORMS**

- Working with smart forms.
- Standard Texts.
- Graphics management.
- Writing print program and designing layouts.

➤ **BAPI**

BAPI and Business Objects

- Introduction to BAPI
- Overview of Business Objects.
- Step By Step Approach followed to create BAPI.