

# CORE - ABAP

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# GENSOFT Technologies

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Powered By:  
Mr. Sridhar Sunkari  
(18+ yrs Exp.)  
On-line & Class-Room Trainings

- INDEPTH
- UNCOMPARABLE
- SUBJECT GUARANTEED

- Leader in SAP Technical Modules Training
- Trained 1000's of students both in On-line and Class-room and also conducted **Corporate Trainings** for the IT COMPANIES which includes TCS, WIPRO, CMC, VERIZON, GENPACT, SIERRA ATLANTIC, VOLKSWAGON, INDIAN RAILWAYS and many more...
- Program Delivered by **Real-Time consultant - SRIDHAR SUNKARI** having over 18+ yrs of experience in different technologies
- Real-time Scenarios with In-depth and Advanced Topics covered
- Numero Uno in **CORE ABAP, OBJECT ORIENTED ABAP, CROSS APPLICATIONS, ABAP HANA, WEBDYNPRO, SAP UI5 Front-end and Back-end Training**
- Detailed Class-Room Notes will be provided, need not depend on any other material
- As an additional service, Daily e-mails will be sent containing day-day class-room session material
- Most of our old students are working in **TOP IT COMPANIES**; we welcome you to interact with our old or existing students before registration
- To attend online 2<sup>nd</sup> time for the same module, students need to register again

# CORE ABAP

## ERP INTRODUCTION

- Manual Business process and its limitations
- ERP Products
- Introduction to SAP and its Modules
- Role of ABAP Consultant in SAP Projects
- Role of ABAP Consultant in object Development

## SAP R/3 ARCHITECTURE

- Application Server Services
- ABAP Workbench
- R/3 Landscape
- Client Concept in SAP

## ABAP INTRODUCTION

- Repository and Dictionary Objects
- ABAP related Transaction Codes
- ABAP Programming Rules
- Data Types and Operators

## ABAP BASIC STATEMENTS

- Data , Write ,Constant and Parameter Statements and their attributes
- CONDITIONAL and LOOPING Statements
- Check Boxes and Radio Buttons
- Submit, Import, Export keywords
- Field-symbols

## STRING FUNCTIONS

- Shift
- Replace
- Translate
- Overlay
- Strlen
- Condense
- Concatenate
- Split

## LOCAL STRUCTURES

- Creating Structures
- Nested Structures
- Including Structures
- Move and Move-Corresponding Statements

## DICTIONARY OBJECTS

- Standard Database tables
- Types of DB tables
- Client Dependent Tables
- Client Independent Tables
- Table creation minimum settings
- Table creation using direct data types
- Table creation using data elements and domains
- Currency and Quantity fields
- Reference tables and Reference fields
- Dictionary Structures
- .Append and .Include Structures
- Table Maintenance Generator
- Events at Table Level
- Table Buffering
- Primary and Secondary Indexes
- Foreign key Relationship
- Check Tables and Value Tables
- Views
- View Cluster
- Lock objects
- Type-Groups
- Table Types
- Search Helps

## DATABASE ACCESS

- Open and Native SQL statements
- Select, Insert, Delete and update statements
- Select-End Select
- Insert, Delete and Modify statements
- Select-single , Select up to 1 rows
- Cursors - Open SQL & Native SQL

## INTERNAL TABLES

- Introduction and Necessity of Internal Tables
- Types of Internal tables
- Select-Options statement
- Ranges
- Append
- Describe
- Read
- modify
- Sort
- Clear
- Refresh
- Free
- delete
- Transporting keyword
- Collect statement

## MESSAGE CLASSES

- Creating Message classes
- Types of Messages
- Using Messages

## MODULARIZATION TECHNIQUES

- Internal and External Subroutines
- Actual and Formal Parameters
- Pass by Value and Reference
- Changing Parameters
- Passing Internal Tables as Parameters
- Include Programs
- Macros and Function Modules

## FUNCTION MODULES

- Creating Function Groups
- Function Builder tool
- Types of Parameters in Function Modules
- Optional and Default Parameters
- Exception Handling in Function Modules

## DEBUGGING

- Setting Break points
- Navigating through the breakpoints
- Setting Watch points

## SELECTION SCREEN PROGRAMMING

- Creating Simple and Tabbed Blocks
- Creating Push Buttons and Labels
- Dropdown List boxes
- Grouping Selection screen elements
- Event Handling in Selection Screens
- SCREEN Structure
- Creating Sub-screens
- Creating Application. Toolbar Push Buttons Using Function Keys
- Menu Painter tool
- At User-command event
- At PF-Status event

## REPORTS

- Classical Reports
  - Single Table
  - Multiple Tables using Joins
- Control-Break Reports
- Difference between at new and on change of events
- Interactive Reports using
  - System field SY-LISEL
  - HIDE Statement
  - Get Cursor Statement
- For All Entries
- Sequence of events execution
- Scheduling Reports in background statically and dynamically
- Background job overview
- Logical Database Reporting

## MODULE POOL PROGRAMMING

- Introduction to Screen Painter tool
- Events in Module Pool
  - PBO, PAI, POV, POH
- Working with Table Control
- Tab Strip Control
- Designing Sub screens
- Modal Dialog boxes
- Drop Down List Boxes
- Navigating between Screens
- Select-option Functionality in MPP
- Field Validations
  - Automatic Field Validations
  - Flow Logic Validations
  - Module Pool Validations
  - AT Exit-Command
  - Chain-End chain

## FILE HANDLING

- File Management on Presentation Server
- File Management on Application Server
- Working with Datasets
  - OPEN, READ ,CLOSE Dataset
  - Transfer statement
  - SET and GET Dataset
  - DELETE Dataset

## BDC

- Direct Input Method
- Call Transaction Method
- Error Handling in Call Transaction
- Session Method
- Recording Transactions with single screen and Multiple screens
- BDC using Table Control
- Data Transfer in Background

## LSMW

- Using Direct Input Method
- Using Batch Input Recording
- Transporting LSMW Settings

## SMART FORMS

- Designing and Passing Data to Smart Forms
- Calling smart forms from Driver Program
- Working with Loop and Program lines
- Graphic Management in Smart forms
- Including Standard texts in smart forms
- Reading and Modifying Standard Texts Dynamically
- Transporting Standard Texts
- Copy Windows
- Working with Tables
- Alternative Conditions
- SMART STYLES
- Text Modules
- Working with Templates
- Control level events in smart forms
- Migrating Scripts to Smart forms
- Debugging Smart forms
- Converting Smart forms to PDF format
- Consolidated Example covering important nodes of smart forms

## SAP SCRIPTS

- Designing SAP Scripts and Creating Print Program
- Types of Symbols in SAP Scripts
- Image Uploading and displaying in SAP Scripts
- Creating Standard Texts and including Standard Texts in Scripts
- Modifying Standard Layouts
- Differences between Scripts and Smart Forms

**CORE-ABAP COMPLETED**