ABAP Course Content

Unit-I

Introduction to ERP
- ❖ What is ERP?
- ❖ Why we need ERP?
- ❖ Advantages of ERP

Introduction to SAP architecture
- ❖ What is SAP?
- ❖ History of SAP?
- ❖ SAP R/2 architecture
- ❖ SAP R/3 architecture

Introduction to ABAP/4
- ❖ What is ABAP?
- ❖ Log on to SAP Environment
- ❖ Workbench tools

ABAP Dictionary Concepts
- ❖ Tables, Data Elements and Domains
- ❖ Transparent, Pooled and clustered tables
- ❖ Structure, Table types and Type pools
- ❖ Views, Search helps and Lock objects

ABAP Programming Basics
- ❖ Data Types, Variables, Types, Operators, Expressions etc
- ❖ Conditional statements, Loops and termination statements
- ❖ String and Date operations and System fields
- ❖ Internal Tables (All Operations)
- ❖ Types of Internal Tables (Standard, Sorted and Hashed)
- ❖ Joins, Nested selects Sub queries and For All Entries etc.
- ❖ Open SQL statements
- ❖ Modularization (Subroutines, Function Modules,
- ❖ Macros and Includes)
- ❖ Field Symbols
- ❖ Debugging programs (Break Point, Watch points etc)
- ❖ Runtime Analysis, Performance Trace

Unit-II

Reports
- ❖ Classical Reports
- ❖ Classical Report Events
- ❖ Interactive report
- ❖ Interactive report events
- ❖ Control Level Commands (AT First, AT New etc)
- ❖ Selection Screen: Parameters
- ❖ Select –options and variants
- ❖ Hide, Read Line, Get cursor, Modify line etc., statements
- ❖ System fields of reports
- ❖ Logical DataBase (Designing, Events)
- ❖ SAP Query (User groups, Info Sets and Queries)
- ❖ ALV reporting

Unit-III

Transactions (Dialog Programs (or) Module pool programs)
- ❖ Transactions (Dialog Programs (or) Module pool programs)
- ❖ ABAP Memory and SAP Memory
- ❖ LUW and Update bundling technique
- ❖ Screens, flow logic events and Module pool
- ❖ Basic Screen elements (I/O field, Radio buttons and
- ❖ Check box etc.,)
- ❖ Maintaining screen sequences (Set screen, Call Screen
- ❖ and leave to screen)
- ❖ Sub screens
- ❖ Table Controls, Step loops and Tab strips

Unit-IV

BDC
- ❖ Files Formats
- ❖ Local Files (Upload, Download etc)
- ❖ Sequential Files (Open dataset, Read Dataset, Transfer etc.)
- ❖ Data Transfer Scenarios and methods
- ❖ BDC session method (Creating, Processing, Analyzing
- ❖ and Correction errors in   Sessions)
- ❖ Call Transaction method (Options, Tracing errors
- ❖ and Correction)
- ❖ Recording Technique
- ❖ LSMW (Methods, Steps and Conversions rules etc.)

Unit-V

SAP Scripts
- ❖ Form designing (Pages, Windows, Page windows
- ❖ and Paragraphs etc.)
- ❖ SAP Script symbols
- ❖ Control commands
- ❖ Standard Text and Styles
- ❖ Inserting Logos
- ❖ Modifications to Form and Print program
- ❖ Copying forms etc.

Smart Forms
- ❖ Smart form and Form Logic
- ❖ Calling a Form from print program
- ❖ Difference between SAP Script and Smart Forms

Adv.ABAP Concepts:

a) SAP Enhancements
- ❖ User Exits and Customer exits
- ❖ Implementing Function, Menu, Screen exits

b) BADIs (Business Add-Ins)

c) Object Oriented ABAP
- ❖ Introduction to Object-Oriented Programming
- ❖ Methods
- ❖ Syntax and Visibility
- ❖ Instance Methods and Static Methods
- ❖ Constructor
- ❖ Classes and Objects
- ❖ Components of a Class
- ❖ Defining Local Classes
- ❖ Defining global classes

Cross Applications

IDOCs (Intermediate Documents)
- ❖ Features and structure of IDOC
- ❖ Idoc type and Message type
- ❖ Segment definition and components
- ❖ Creating Segments
- ❖ Creating Idoc types (Basics Type and Extension)
- ❖ Crating Message types and Process
- ❖ Idoc Enhancements

RFC (Remote Function Calls)
- ❖ Introduction of RFC
- ❖ Communication mechanisms through RFC
- ❖ ABAP interfaces (RFC,tRFC, ARFC)
- ❖ Difference between tRFC and ARFC

EDI (Electronic Data Interchange)
- ❖ EDI processing setup
- ❖ Defining ports and partner profiles
- ❖ Message control for EDI
- ❖ Partner profiles
- ❖ Basic configuration
- ❖ Application configuration
- ❖ Outbound processing

BAPI (Business Application Programming Interface)
- ❖ SAP Business Objects
- ❖ Business Object Builder and BOR
- ❖ Features and applications of BAPI
- ❖ Creating Business Object types
- ❖ Working with a standard BAPIs
- ❖ Developing Custom BAPIs

ALE (Application Link Enabling)
- ❖ Distributed Systems
- ❖ ALE Services and features
- ❖ ALE Inbound and Outbound process
- ❖ ALE Configuration (Logical systems, RFC Destination, Model view, Port, Partner Profiles etc)
- ❖ ALE Distribution Scenarios
- ❖ Transferring of Master Data

INDIA	Acute Soft Solutions India Pvt Ltd	USA
Phone: +91 40-42627705	Email: info@acutesoft.com	www.acutesoft.com	Phone: +1 973-619-0109 (USA)
Mobile: (0) 9848346149		Phone: +1 312-235-6527 (USA)