MAINSTREAM INSTITUTE
(SAP ABAP)

Welcome to the Knowledge center to achieve the greatest asset in your career..

Mainstream Institute(ISO 9001:2008) is a prestigious leading training organisation being located In Nayapalli, Bhubaneswar.

Introduction to ERP

Introduction to SAP & R3 Architecture

Introductions to ABAP/4

- What is ABAP ?

- R/3 Repository

- Logon to SAP Environment

- Transaction Codes

- Multitasking Commands

- Comments

- Errors

- ABAP/4 Editor (SE38)

- Steps for Creating a Program

- Elements in R/3 Screen

- Out put Statements

- Operators in ABAP

- Data, Parameter &Constant Statements

- Data Types & Classification

- Data Objects & Classification

- Text Elements

- String Operations

- Control Statements

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·   Field strings

ABAP Dictionary

·   ABAP Dictionary Introduction

·   Data Dictionary Functions

·   Data Dictionary Objects

    Data Base Tables

    Structures/Views

    Data Elements

    Type Groups

    Domains

    Search help Exits

    Lock Objects

·   Primary Key and Foreign Key

·   Table Maintenance Generator

·   Table Events

Packages

·   Creating a Package

·   Difference between local objects & Packages

·   Transferring local objects to Packages

Variants

·   Variants Introduction

·   Creating Variants in ABAP Editor & Data Dictionary

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Message Classes

·   Message Class Introduction

·   Message types

·   Calling Message Class in Report & dialog Programs

·   Dynamic Message Handlings

Selection screens

·   Selection Screen Introduction

    Parameter Statement

    Select-Options Statement

    Selection Screen Statement
·   Screen table and its fields
·   Dynamic Screen Modification by Using Modify ID Key

Open SQL Statements

·   Select
·   Insert
·   Modify
·   Update
·   Delete

Internal Tables

·   Internal Tables Introduction
·   Declaring Internal Table
·   Populating Internal Table
·   Processing Internal Table
·   Initializing Internal Tables
·   Inner Joins And For All Entries
·   Working with Standard Sorted and Hashed Internal Tables
·   Control Break Statements

Debugging Techniques

·   Debugging Techniques Introduction

·   Break-points (Static & Dynamic)

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· Watch Points

· Dynamically Changing Internal tables Contents in Debugging Editor

· Options to Step through the Program in Debugging Editor

Modularization Techniques

· Modularization Techniques Introduction

· Macros

· Includes

· Subroutines

· Passing Parameters to Subroutines

· Passing Tables to subroutines

· Function Groups & Function Modules

Reports

· Reports Introduction

· Classical Reports

· Interactive Reports

· Techniques Used For Interactive Reports

Hotspot

Hide

Get Cursor

DIALOG/MODULE POOL PROGRAMMING/TRANSACTIONS

· MPP Introduction

· Relationship between Screen, Flow Logic and Program

· Flow Logic Events

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Process Before Output (PBC)

Process After Input (PAI)

Process On Value Request(POV)

Process On Help Request (POH)

· Include Programs in MPP

Include TOP

Include Io1

Include O01

Include F01

· Dynamic Screens

Leave Screen

Leave to Screen

Call Screen

Set Screen

· Processing Of List From Transaction and Vice Versa

· Elements in Screen Layout

Table Controls

Step Loops

Tab strip Controls

Sunscreens

Batch Data Communication

· BDC Introduction

· Recording

· BDC Methods

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Call Transaction Method

Session Method

·   Handling Table controls in BDC

·   Legacy system Migration Workbench

Different Method

Flat File Creation

Uploading data

·   File Handling
Application Server
Presentation Server

SAP Scripts

·   Sap Scripts Introduction
·   Components of SAP Scripts
Layout Set
Standard Text
Out Put Program
·   Modifying Standard SAP Script Layouts
·   Including Logos

·   SAP Script Utilities – Upload / Download

Smart Forms

·   Smart Forms Introduction
·   Graphics Management
·   Style Maintenance
      Paragraph Formats .Character Formats
·   Writing print program and designing layouts
·   Working with Mail, Secondary and Final Window
·   Working with Different Node levels in Smart Form

ALV Reports

·   ALV   Reports Introduction
·   ALV through Function Modules

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- · ALV Types
- · Tree ALV
- · Hierarchy Sequential ALV
- · LIST and GRID ALV
- · Object oriented ALV
- · Interactive ALV

Runtime Analysis & SQL Tracing

CROSS APPLICATIONS

- · Introduction to Distributed Environment
- · Introduction to Cross Applications

RFC

- · Introduction to RFC
- · Synchronous Asynchronous and Transaction RFC
- · Creating RFC Destination between 2 Systems
- · Creating Remote Enabled Function Modules
- · Creating Program Using Remote Enabled Function Modules
- · Differentiate Pass by value Pass by Reference

ALE

- · ALE Basics
- · Overview of Outbound & Inbound Process
- · Configuration Steps
- · Define Logical Systems
- · RFC Destination
- · Customer distribution Model
- · Creating Ports

IDOCS

- · What is an Idoc ?

- · Types of Idocs

    Basic Idocs

    Extension Idocs

- · Creating Idocs

- · Message Types

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- ·   Assigning Idoc type to Message Type

- ·   Handling Standard Message Type and Idoc Type

- ·   Enhancing an IDOC
- ·   Creating From an IDOC from the Scratch
- ·   Distributing master Data through Standard Idoc types
- ·   Send Whole copy & Sending only the Changes
- ·   Idoc Filtering
- ·   Segment Filtering
- ·   Reduced Message types
- ·   Message Control Technique
- ·   Writing Inbound and Outbound IDOC Programs
- ·   Exits handling in IDOC
- ·   Extending IDOCs and Developing Programs

EDI

- ·   EDI Basics
- ·   Difference between ALE & EDI
- ·   Overview of Outbound & Inbound Process
- ·   Configuration Steps
- ·   Port Creation
- ·   Partner Profile Creation
- ·   Creation Of customer Distribution Model
- ·   Activation Of Change Pointers

BAPI

- ·   BAPI Overview
- ·   Introduction to BOR
- ·   Creating BAPI from the Scratch
- ·   Handling Standard BAPIS
- ·   Extending of BAPI

USER EXITS

- ·   User Exits Overview
- ·   Types of User Exits
- ·   Field Exit
- ·   Screen Exit
- ·   Function Exit
- ·   Menu Exit

BADIS

- ·   BADIs Overview

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·   Defining   a   BADI
·   Implementing a BADI
·   Single implementation BADI
·   Multiple Implementation of BADI
·   Filter dependent BADI`s

Enhancement Sport

·   Concept of Enhancement Spots
·   Implicit Enhancement Spots
·   Explicit Enhancement Spots

OO-ABAP

·   Object Oriented ABAP Overview
·   Defining a Class
·   Implementing a class
·   Data Abstraction
·   Encapsulation
·   Inheritance
·   Polymorphism
·   Constructors and its Visibility
·   Local Classes and Global Classes
·   Polymorphism
·   Interfaces, Defining and Implementing
·   Event Triggering and Handling
·   ALV Using OOPS

Release Management topics

·   Correction & Transport request (CTS)
·   Transport Organizer
·   Work Bench Request
·   Task Creation
·   Release Objects

PROJECT – Real Time Project for Abapers

·   Project Scenarios
·   Types of SAP Projects
·   ASAP Methodologies
·   Tasks of Developer in Development Project
·   Tasks of Developer in Implementation Project
·   Tasks of Developer in Upgrade Project
·   Tasks of Developer in Rollout Project
·   Tasks of Developer in Enhancement Project
·   Offshore Onsite Model
·   Offshore Team and Reporting Structure

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- Quality Concepts and Standards And Guide lines
- Project Land Scope
- Transport Management System
- MM Flow
- MM Organization Structure
- MM Data Dictionary
- Purchasing Life Cycle
- Handling Objects in MM
- Case Studies in MM
- SD Flow
- SD Organization Structure
- SD Data Dictionary
- Handling Objects in SD
- Case Studies in SD