

# 1<sup>st</sup> Elecose IT Training

## **Basis / Systems Administration**

(Includes Net weaver/ Solution Manager/ HANA/ Oracle DBA)

**Duration: 4 months**

**Course Fee: Rs. 40,000/-**

### **ERP BASIS ADMINISTRATION:**

- What is SAP R/3
- The Architecture of SAP R/3
- Installation concepts and guidelines
- Distributing R/3 Systems
- Using SAP R/3
- Setting up Operating Modes
- Setting of 'Work Bench Organization
- ABAP/ 4 , Data dictionary
- Computer Center Management System
- Remote server Concept
- Oracle DBA Bench Organization
- Client Copy
- Data base Admin using
- SAP DBA
- Setting up profile parameters
- SAP GUI Concepts
- Up Gradation & Installation
- Creating User's
- Management of users, authorizations and profiles
- Back up & Recovery of Database
- SAP Code Generation
- The Transport System
- General Administration utilities
- SAP Housekeeping – The computer center management system
- Alert Monitors
- Background Jobs
- The SAP printing System
- SAP Administration for oracle databases
- SAP R/3 Technical Implementation and operation

### **Solution Manager:**

- Installation of Solution Manager & Post-installations
- Generation of license keys
- Satellite system configuration.
- Solution creation and configurations
- System Monitoring

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- System Administration
- Maintenance Optimizer
- Service Desk Configuration
- Root Cause Analysis & End to End Monitoring
- Router configuration
- Implementation using ASAP methodology.
- Change Request Management System

## **Netweaver XI Contents**

### **Fundamentals of SAP Netweaver AS:**

- Introduction to SAP NetWeaver
- Architecture of SAP Netweaver AS

### **Fundamentals of SAP system administration:**

- Starting and stopping an SAP system (incl. SAP MC)
- System configuration options in AS ABAP and AS Java

### **User administration**

- System monitoring in AS ABAP and AS Java
- Fundamentals of AS Java
- Change management and software logistics for SAP Netweaver AS
- Configuration of integrated SAP Internet Transaction Server (SAP ITS)
- Internet technologies in the SAP environment:
- SAP ITS, SAP ICM, SAP Web Dispatcher
- XI technical architecture overview
- Exchange profile
- SLD
- Runtime workbench
- XI Installation and patching
- XI preparation and installation
- Post-installation and configuration
- Patching
- User management and connections + security
- User Management
- Security
- Integration Engine
- Integration Engine XML processing
- Integration Engine Configuration
- BPE Administration
- CCMS Integration
- Use case: msg troubleshooting
- AF Administration

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## ORACLE DBA CURRICULUM

### 1. DBA FUNDAMENTAL -I

- Oracle Architectural Components
- Getting Started With Oracle Server
- Managing an Oracle Instance, Creating a Database
- Data Dictionary Contents and Usage
- Maintaining the Control File, Redo Log Files
- Managing Tablespaces and Data Files
- Storage Structures and Relationships
- Managing Undo Data, Tables, Indexes
- Maintaining Data Integrity, Managing Password
- Managing Security, Resources, users, Privileges & Roles
- Loading Data Into a Database & Globalization Support

### 2. DBA FUNDAMENTAL – II

- Networking Overview
- Basic Oracle Net Architecture,
- Server-Side Configuration
- Basic Oracle Net Services
- Client-Side Configuration
- Usage and Configuration of the Oracle Shared Server
- Backup and Recovery Overview
- Instance and Media Recovery Structures
- Configuring the Database Archiving Mode
- Oracle Recovery Manager Overview and Configuration
- User Managed Backups, RMAN Backups
- User Managed Complete & Incomplete Recovery
- RMAN Complete Recovery, Incomplete Recovery & Maintenance
- Recovery Catalog Creation and Maintenance
- Transporting Data Between Databases

### 3. PERFORMANCE TUNNING

- Overview Of Oracle 10g Performance Tuning
- Diagnostic and Tuning Tools
- Sizing the Shared Pool & the Buffer Cache
- Sizing The Other SGA Structures
- Database Configuration and I/O Issues
- Optimizing Sort Operations
- Diagnosing Contention For Latches

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- Tuning Rollback Segments
- Monitoring and Detecting Lock Contention
- Tuning The Oracle Shared Server
- Application Tuning, Using Oracle Blocks Efficiently
- SQL Statement Tuning, Tuning the OS and Using Resource manager