

1st Elecose IT Training

ORACLE 9i CURRICULUM

Duration: 2 months

Fee: Rs. 25,000/-

1. PL/SQL

- Introduction
- Declaring Variables
- Writing Executable Statements
- Interacting With The Oracle Server
- Writing Control Structures
- Working With Composite Data Types
- Writing Explicit Cursors and advanced Explicit Cursor
- Handling Exceptions, Creating Procedures
- Creating Functions, Managing Subprogram
- Creating Packages, More Package Concepts
- Oracle Supplied Packages
- Manipulation Large Objects
- Creating Database Triggers
- Managing Dependencies

2. 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

3. 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

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- 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

4. PERFORMANCE TUNNING

- Overview Of Oracle 9i 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
- 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