



Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India



INFORMATION TECHNOLOGY DIVISION

Continuing Professional Development Programme



ORACLE®

DATABASE

12^c

Oracle 12c Database Administration 09 – 13 July 2018



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

Introduction

Database is the key to any business software application. Databases are widely used to store information about employees, customers, vendors, suppliers, partners, products, prices and transaction details. These databases created are accessed through the applications developed on top of database. Oracle is a database that responds very well with excellent performance in demanding environments. Oracle 12c is designed to handle the ever-increasing data needs of modern organizations. Effective management of Oracle 12c capabilities can help organizations ensure the integrity and security of data.

The Engineering Staff College of India (ESCI) has designed a 4-day Hands-on practical Training Programme on “**Oracle 12c Database Administration**”. to provide you with a firm foundation in administration of an Oracle Database. In this course you will gain a conceptual understanding of Oracle Database architecture and learn how to manage an Oracle Database in an effective and efficient manner. This course covers both Database as a Cloud Service and the on-premises Oracle Database.

Objectives

- To Build high-quality and efficient database applications
- To Manage an Oracle Database instance.
- Configure the Oracle Network environment.
- Create and manage storage structures and users.
- Monitor the database and manage performance.
- Create and manage Database as a Cloud Service database deployments.

Course Coverage

- Introducing Oracle 12c Database
- Relation Database Models
- Oracle SQL and PL/SQL
- Oracle Database Server Architecture
- Connecting to Oracle Databases
- Oracle Database Tools
- Oracle-Supplied User Accounts
- Querying the Oracle Data Dictionary
- Managing Database Instances
- Creating PDBs
- Configuring the Oracle Network Environment
- Administering User Security
- Creating and Managing Tablespaces
- Managing Storage Space
- Managing UNDO Data
- Moving Data
- Backup and Recovery Concepts
- Monitoring and Tuning Database
- SQL Tuning
- Oracle Database Resource Manager
- Enterprise Manager Cloud Control
- Oracle Database Cloud Service
- Creating DBCS Database Deployments
- Managing DBCS Database Deployments
- Backing Up and Restoring DBCS
- Patching DBCS Database Deployments
- Creating Master Encryption Keys for PDBs
- Tablespace Encryption by Default

Methodology

Methodology of the programme includes class room sessions with Hands-on Practical, Lecture / Discussion with audio visual aid, bench marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members. Extensive hands-on exercises using both GUI tools and SQL*Plus provide participants, the practical skills to administer an Oracle 12c database.

Target Participants

- Software Engineers, Application Developers, Database Developers, Database Administrators,
- Web Developers, Project Leaders, Business Systems Analysts, Functional Consultants, Technical Managers and people working in Government, Public sector, Private sector and Defence organizations
- Faculty & Technical staff of Engineering Colleges & Universities

Resource Persons

- ❖ **Mrs.Lakshmi Padma Sri** Corporate Trainer Oracle Lead Faculty for this Programme
- ❖ **Mr. D. Rakesh** IT Consultant Oracle
- ❖ **Other Experts from Industry**

Programme Venue, Dates & Timings

Venue: Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500032. TS, India.

Dates

09 – 13 July, 2018

Timings

On the first day Registration will commence at 09:00 hrs. On all other days the programme timings will be from 09:45 – 17:15 hrs with breaks in between for tea and lunch.

Course Director

Mr. Syed Azgar , MBA(IT), RHCE, MCSA

Faculty & Manager-IT,
Information Technology Division,
Engineering Staff College of India, Hyderabad.

Course Fee

₹ 22,500/- (Residential Fee) per participant. Fee includes course material, course kit, twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks during the actual days of training programme.

DISCOUNTS

- ❖ **Non – Residential Fee** - 10% discount on course fee is allowed for non- residential participants.
- ❖ **Group Discount** - Additional 10% discount for three or more participants if sponsored by the same organization.

(All discounts are applicable only if fee is received at ESCI before commencement of the programme)

GST @18% is to be paid extra and above the training fee as training is also brought under the purview of Service Tax in Finance Bill 2010. **PAN Card No.** AAATT3439Q. **GST No:** 36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in favour of “**THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA**” in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI – **Axis Bank A/c No. 912010049234564** with The Axis Bank Ltd, Old Mumbai Hwy, Cyberhills Colony, P Janardhan Reddy Nagar, GachiBowli Hyderabad-500032 by NEFT/ RTGS/ IFSC Code No. UTIB 0000733 – MICR No.500211020. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

Register Online: <http://www.escihyd.org/trainings/information-technology/>

To register, manually please send your nominations giving details of name, designation, contact address, email address, mobiles no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

The Head

Information Technology Division
Engineering Staff College of India
Gachi Bowli, Hyderabad – 500 032
Phone: 66304100 (EPABX) / 040 – 66304123/24/25 (Direct), Fax: 040 - 23000336
Email: it@escihyd.org, Portal: www.escihyd.org

A Certificate of participation will be awarded to each participant on conclusion of the programme.

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well developed Information Centre and Internet facilities are available to the participant.