

**National Institute of Electronics and Information Technology   
(J&K)**

ISO 9001:2008 certified organization

**Department of Electronics & Information Technology (DeitY), Ministry of Communications and Information Technology, Govt. of India.**

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**Oracle Database: Introduction to Oracle SQL Developer**

* Introduction to DBMS
* Introduction to Oracle Database
* DDL,DML,DCL,DQL Components
* Retrieve Data using the SQL SELECT Statement
* Learn to Restrict and Sort Data
* Usage of Single-Row Functions to Customize Output
* Invoke Conversion Functions and Conditional Expressions
* Aggregate Data Using the Group Functions
* Display Data From Multiple Tables Using Joins
* Use Sub-queries to Solve Queries
* The SET Operators
* Data Manipulation Statements
* Use of DDL Statements to Create and Manage Tables
* Other Schema Objects
* Control User Access
* Management of Schema Objects
* Manage Objects with Data Dictionary Views
* Manipulate Large Data Sets
* Data Management in different Time Zones
* Retrieve Data Using Sub-queries
* Regular Expression Support

**National Institute of Electronics & Information Technology** (NIELIT),(erstwhile  DOEACC) was set up to carry out HRD-IT and related activities in the area of Information, Electronics & Communications Technology (IECT). NIELIT is engaged both in Formal & Non-Formal Education in the area of IECT besides development of industry oriented quality education and training programmes in the state-of-the-art areas. NIELIT has endeavoured to establish standards to be the country’s premier institution for Examination and Certification in the field of IECT. It is also one of the National Examination Body, which accredits institutes/organizations for conducting courses in IT in the non-formal sector.

NIELIT has thirty one (31) offices located, with a strong network of over 800 accredited institutes and over 6000 facilitation centres.

**About NIELIT Srinagar/Jammu**

* NIELIT J&K is functioning from Srinagar, Jammu & Leh.
* **Srinagar Centre is located in the SIDCO Electronics Complex, Rangreth on a 7.5 acres Campus with a built-up area of 33,000 sq.ft.**
* The Jammu Centre is located on the New Campus of the University of Jammu with a built-up area of 22,000 sqft.
* Sub-Centre Leh is located at Skalzangling, Airport Road, Leh.
* **Long Term Courses:** 
  + MCA in affiliation with University of Kashmir.
  + PGDCA in affiliation with University of Jammu.
  + Software/Hardware courses like ‘O’, ‘A’ & ‘B’ level.
* **Short Term Courses in:**
* **Computer Networking**
* CCNA,CCNP
* MCSA(Windows Server 2012)
* Linux Networking
* Integrated Networking Industrial Program.
* WSN (Wireless Sensor Networks)
* **Ethical Hacking and Cyber Forensics**
* Information Security, Ethical Hacking and Cyber Forensics
* **Programming courses**
* Android Programming
* .Net Technologies
* Programming in Java
* Embedded Systems Programming
* MATLAB
* Programming in C/C++
* **Open Source Technologies**
* PHP and MySQL
* Python
* **Database**
* Oracle SQL Dev,Oracle PL/SQL Dev,Oracle App Dev
* **Computer Aided Design**
* VLSI Designing
* AutoCAD
* **Basic Literacy Programs**
* DOEACC “CCC” Course
* Basic Computer Applications.
* **Others**
* Repair of Mobile Phones.
* PC Assembling and Testing
* Web Design
* Diploma in operation and Maintenance of Bio Med equ.

**Industrial Training**

**In**

**A. Oracle PL/SQL Developer (OCA/OCP)**

**B. Oracle Developer (Forms and Reports)**

**100% Job Oriented Course**

* Debugging Triggers
* Adding Functionality to Items
* Run-Time Messages and Alerts
* Query Triggers
* Validation
* Navigation
* Transaction Processing
* Writing Flexible Code
* Sharing Objects and Code
* Using WebUtil to Interact with the Client
* Introducing Multiple Form Applications

**Oracle Reports Developer 10g:**

**Build Reports**

* Introduction to Oracle Reports
* Designing and Running Reports
* Exploring Oracle Reports
* Creating a Paper Report
* Enhancing a Basic Paper Report
* Managing Report Templates
* Creating a Web Report
* Data Model: Queries and Groups
* Data Model: Data Sources
* Data Model: Creating Columns
* Paper Layout
* Controlling Common Properties
* Specific Properties
* Web Reporting
* Creating and Using Parameters
* Embedding a Graph in a Report
* Enhancing Matrix Reports
* Coding PL/SQL Triggers

**Oracle Database: Program with Oracle PL/SQL Developer**

* Introduction to PL/SQL Developer
* Declare PL/SQL Identifiers
* Write Executable Statements
* Interaction with the Oracle Server
* Control Structures
* Composite Data Types
* Explicit Cursors
* Exception Handling
* Stored Procedures
* Stored Functions and Debugging Subprograms
* Packages
* Deploying Packages
* Implement Oracle-Supplied Packages in Application Development
* Dynamic SQL
* Design Considerations for PL/SQL Code
* Triggers
* Creating Compound, DDL, and Event Database Triggers
* PL/SQL Compiler
* Manage Dependencies

**Oracle Forms Developer 10g:**

**Build Internet Applications**

* Introducing Oracle Forms Developer and Forms Services
* Creating Forms Modules
* Working with Data Blocks and Frames
* Working with Input Items
* Working with Non Input Items
* Working with Windows and Canvases
* Producing Triggers

**Objective:** To learn students how to

→ ensure fast, reliable, secure and easy to manage performance. Optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto database clouds.

→build, test, debug, and deploy interactive Internet applications.

→retrieve, display, and format data from any data source in numerous reporting styles and publish the output to any destination.

Duration (@ 3 hours daily):

**\* Oracle SQL Dev** *(Duration: 2-weeks)*

**\* Oracle PL SQL Dev.** *(Duration: 4-weeks)*

**\* Oracle Application Dev.** *(Duration: 4-weeks)*

**Eligibility: Graduate with DBMS Knowledge**

**Training Methodology**:

* Classroom Lectures
* PPT Presentations
* Hands on practice in well equipped labs

**Training Outline:**

**ORACLE APPLICATION DEVELOPER**

* Write subqueries, combine multiple queries into a single query
* Aggregated data using group functions
* Develop stored procedures, functions
* Packages, triggers, cursors etc
* Build high performance applications for the Internet
* Design and build a variety of standard and custom Web and paper reports