



# Training Programme on “DBA for Oracle 11g”

(15 July to 19 July, 2013)

Date/Day	I Session (9.30 to 1115 Hours)	II Session (1130 to 1300 Hours)	III Session (1400 to 1530 Hours)	IV Session (1545 to 17.30Hours)
<b>15 July, 2013</b>  <b>Monday</b>  <b>Registration :</b>  <b>9:30 am to 10:00 am</b>	<p style="text-align: center;">Welcome and Inaugural Address</p> <p style="text-align: center;">By PD,iCISA</p>		<p><b>Installing your Oracle Software</b></p> <ul style="list-style-type: none"> <li>· Tasks of an Oracle Database Administrator</li> <li>· Tools Used to Administer an Oracle Database</li> <li>· Installation: System Requirements · Oracle Universal Installer (OUI)</li> <li>· Installing Oracle Database Software</li> </ul>	
<b>16 July, 2013</b>  <b>Tuesday</b>	<p><b>Exploring the Oracle Database Architecture</b></p> <ul style="list-style-type: none"> <li>· Oracle Database Architecture Overview</li> <li>· Oracle ASM Architecture Overview · Process Architecture · Memory structures · Logical and physical storage structures</li> </ul> <p><b>Creating an Oracle Database</b></p> <ul style="list-style-type: none"> <li>· Planning the Database · Using the DBCA to Create a Database</li> <li>· Password Management</li> </ul> <p><b>Managing the Oracle Database Instance</b></p> <ul style="list-style-type: none"> <li>· Start and stop the Oracle database and components</li> <li>· Use Oracle Enterprise Manager · Access a database with SQLPlus</li> <li>· Modify database installation parameters</li> <li>· Describe the stages of database startup</li> <li>· Describe database shutdown options · View the alert log</li> </ul>		<p><b>Configuring the Oracle Network Environment</b></p> <ul style="list-style-type: none"> <li>· Use Enterprise Manager to create and configure the Listener</li> <li>· Enable Oracle Restart to monitor the listener</li> <li>· Use tnsping to test Oracle Net connectivity</li> <li>· Identify when to use shared servers and when to use dedicated servers</li> </ul>	

<p><b>17 July, 2013</b></p> <p><b>Wednesday</b></p>	<p><b>Managing Database Storage Structures</b></p> <ul style="list-style-type: none"> <li>· Storage Structures · How Table Data Is Stored · Anatomy of a Database Block · Space Management in Tablespaces · Tablespaces in the Preconfigured Database · Actions with Tablespaces</li> </ul>	<p><b>Administering User Security</b></p> <ul style="list-style-type: none"> <li>· Database User Accounts · Predefined Administrative Accounts</li> <li>· Benefits of Roles · Predefined Roles · Implementing Profiles</li> </ul> <p><b>Managing Undo Data</b></p> <ul style="list-style-type: none"> <li>· Data Manipulation · Transactions and Undo Data</li> <li>· Undo Data Versus Redo Data · Configuring Undo Retention</li> </ul>
<p><b>18 July, 2013</b></p> <p><b>Thursday</b></p>	<p><b>Performance Management</b></p> <ul style="list-style-type: none"> <li>· Performance Monitoring · Managing Memory Components</li> <li>· Enabling Automatic Memory Management (AMM)</li> <li>· Automatic Shared Memory Advisor · Using Memory Advisors</li> <li>· Dynamic Performance Statistics</li> </ul>	<p><b>Backup and Recovery Concepts</b></p> <ul style="list-style-type: none"> <li>· Part of Your Job · Statement Failure · User Error · Understanding Instance Recovery · Media Failure · Archive Log Files</li> </ul>
<p><b>19 July, 2013</b></p> <p><b>Friday</b></p>	<p><b>Performing Database Backups</b></p> <ul style="list-style-type: none"> <li>· Backup Solutions: Overview · User-Managed Backup</li> <li>· Terminology · Recovery Manager (RMAN)</li> <li>· Configuring Backup Settings · Monitoring the Flash Recovery Area</li> <li>· Use Data Pump export and import to move data</li> </ul>	<p><b>Performing Database Recovery</b></p> <ul style="list-style-type: none"> <li>· Opening a Database · Data Recovery Advisor · Loss of a Control File</li> <li>· Loss of a Redo Log File · Data Recovery Advisor</li> <li>· Data Failures · Listing Data Failures · Data Recovery Advisor Views</li> </ul> <p><b>Securing Server from external and internal threats</b></p> <ul style="list-style-type: none"> <li>· Ethical Hacking · Unethical Hacking · Top 5 security threats</li> </ul>

**Tea Break: 1115 to 1130 hours**

**Lunch Break: 1300 to 1400 hours**

**Coffee Break: 1530 to 1545 hours**