

RAMCO INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FDP on “Oracle Programming using PL/SQL”

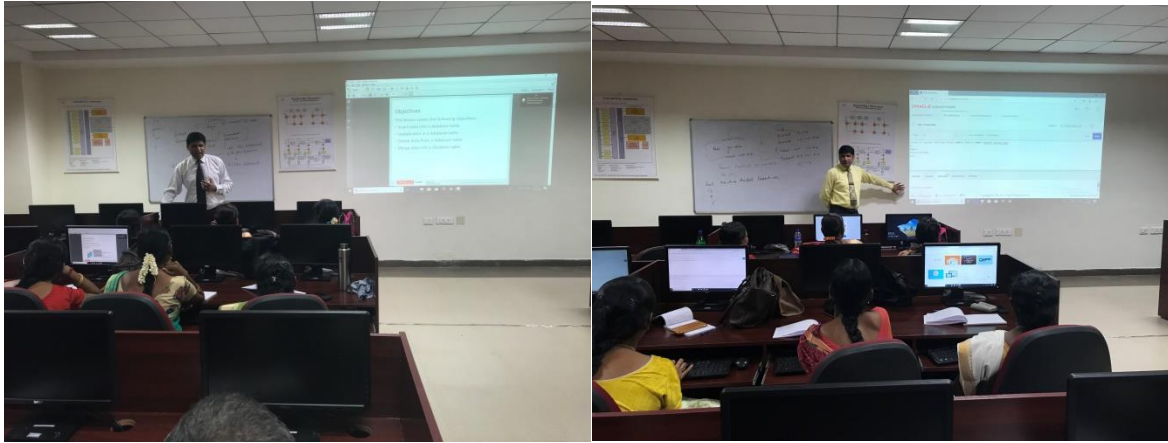
“Faculty Development programme on Oracle Programming using PL/SQL” was organized by Department of Computer Science and Engineering in association with ICT Academy from 08.04.2019 to 12.04.2019 to the faculty members. Mr. Ritesh Jain, Project Manager, Oracle, Hyderabad was the resource person. In this Faculty Development programme 28 faculty members participated from 19 colleges in the southern region of Tamilnadu. Mr. K.Vignesh Saravanan, Assistant Professor welcomed the resource person and the gathering, Prof. Dr. N.Jawahar, Principal, delivered the presidential address and the importance of faculty development programme, Mr. C.A.Yogaraja Assistant Professor introduces the chief guest and the resource person Mr. Ritesh Jain delivered the Chief Guest Address.



He started the session with the Basics of Oracle database and PL/SQL. He handled the everyday session as follows.

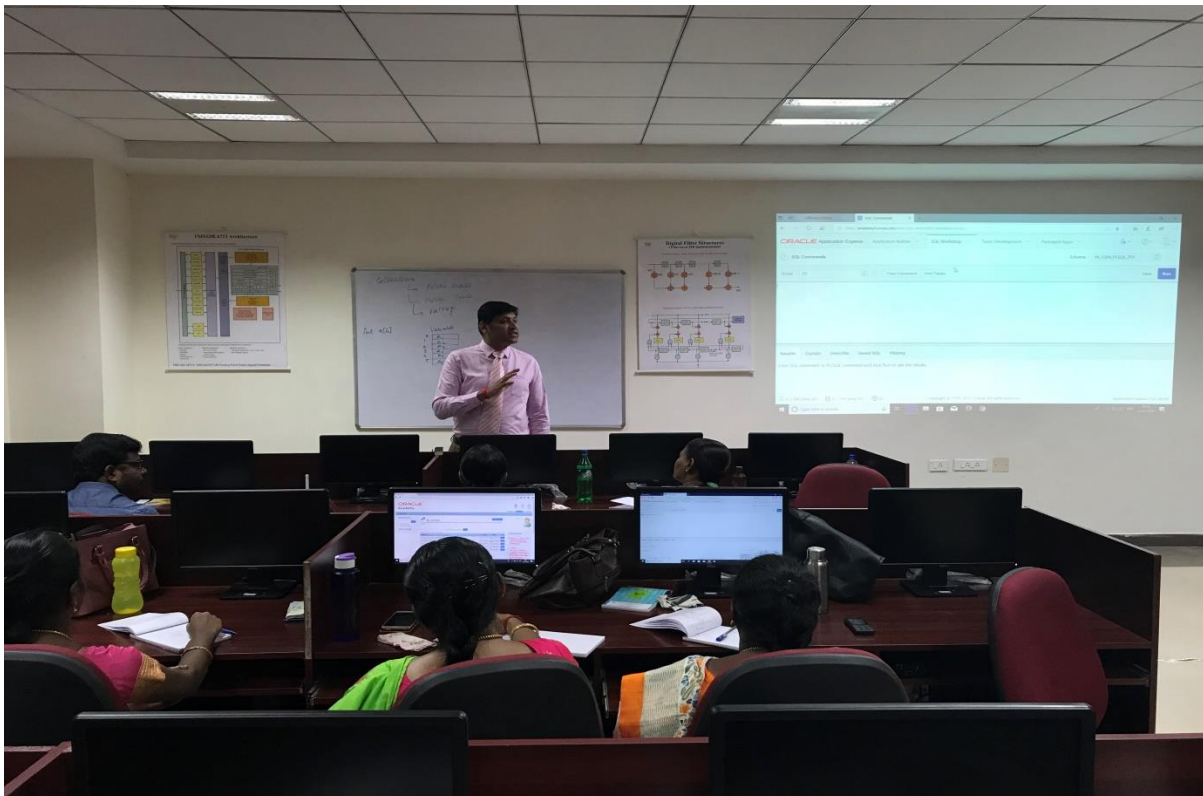
Day 1 (08.04.2019): He started the session about the Introduction to PL/SQL, Benefits of PL/SQL; differentiate between SQL and PL/SQL, Declare and initialize variables in PL/SQL, Creating PL/SQL Blocks and Describe and identify reserved words, delimiters, literals, and comments in PL/SQL.

In the afternoon session he taught about how to access the Oracle ilearning materials and APEX working environment to execute the programs. In the end of the day all participants completed the quiz session 1, 2 and 3.



Day 2 (09.04.2019): He started the session with how to define data type and explain why it is needed, Define guidelines for declaring and initializing PL/SQL variables, Differentiate between implicit and explicit conversions of data types, Understand the scope and visibility of variables, SQL DML and Construct and execute an INTO clause to hold the values returned by a single-row SQL SELECT statement.

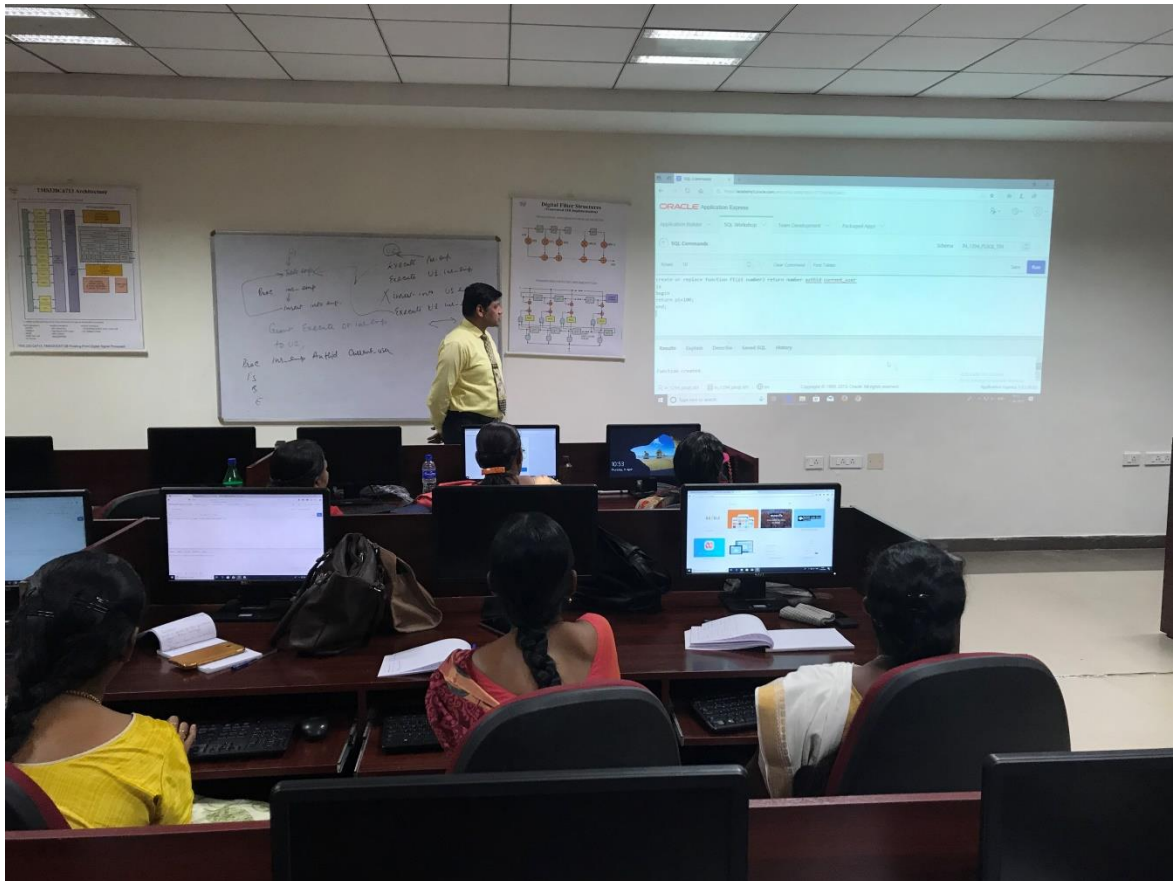
In the afternoon session how to Create PL/SQL code to use SQL implicit cursor attributes to evaluate cursor activity, Conditional Control- IF Statements and Case statement, Iterative Control - For and While Loops, and nested loop statement. In the end of the day all participants completed the quiz 4, 5 and 6. After completion of the quizzes, the participants are advised to complete the mid-term exam-1



Day 3(10.04.2019): In this session, he taught how to Create and manipulate user-defined PL/SQL records, Indexing Tables of Records, Create PL/SQL code that successfully opens a cursor and fetches a piece of data into a variable, retrieve information about the state of an

explicit cursor using cursor attributes and Explain the effect of using NOWAIT in an update cursor declaration.

In the afternoon session he handled the hands on training to create PL/SQL code to declare and manipulate multiple cursors within nested loops, Handling Exceptions in PL/SQL, difference between errors that are handled implicitly and explicitly by the Oracle server and how define User-Defined Exceptions, In the end of the day all participants completed the quiz 7, 8 and mid-term exam-2. Semester exam-1 is opened for all participants and completed.



Day 4:(11.04.2019): In this session he explained about Creating Procedures with parameter, Creating Functions, Describe the differences between procedures and functions, Managing Procedures and Functions and Create a procedure that executes an Autonomous Transaction. In the afternoon session he taught about how to Creating Packages, designate a package construct as either public or private, describe two common uses for the DBMS_OUTPUT server supplied package, In the end of the day, all participants completed the quiz 9, 10 and 11. Also mid-term exam-3 is completed and practice exercises are done by the participants.



Day 5:(12.04.2019): In the forenoon session he explained about how to describe the reasons for using dynamic SQL to create a SQL statement, create subprograms which use the NOCOPY hint and the DETERMINISTIC clause, use Bulk Binding FORALL in a DML statement, describe database triggers and their uses, creating DML Triggers, create a Compound Trigger, Creating DDL and Database Event Triggers and Managing Triggers. The quiz 12, 13 is completed by all participants.

In the afternoon session he taught about the introduction to Dependencies, how remote dependencies are controlled, Explain the similarities and differences between a warning and an error and Create and conditionally compile a PL/SQL program containing selection, inquiry, and error directives. Then quiz 14 and 15 is completed, followed by the final Semester exam. After successful completion of the final exam certificates are generated.



The participants commented that the faculty development programme was very much useful for them to learn and understand the concepts in-depth. This has also facilitated them to impart more practical knowledge to the students. End of the day the participants completed the online assessments on each topics and overall final assessments in Oracle iLearning platform. After successful completion of the assessment participants received the certification from Oracle Academy. The certificates are distributed by the Shri. Ritesh Jain, Project Manager, Oracle, Hyderabad and Prof. Dr. S.Rajakarunakaran, Vice Principal Ramco Institute of Technology. Finally vote of thanks delivered by Mr. A.S.Prabaharan Assistant Professor.



Faculty In-Charges
Mr. A.S.Prabaharan
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HOD-CSE
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