



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(An UCC Autonomous Institution, Affiliated to JNTUH, Hyderabad Accredited 2nd time by NAAC
with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP-I (S.C.1.1))
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,
Telangana State – 500100
www.mrec.ac.in

Department of Computer Science and Engineering

CIRCULAR

Date: 04/12/2020

All the students are hereby informed that Value Added Course on **“Programming with PL/SQL”** is being organized by the **Computer Science and Engineering** department on dated **8th Dec 2020 to 15th Jan 2021**. The resource person for the course is **Dr.A Prasanta Rao “**

Students are advised to register their names to the programme coordinator **“Mrs.G.Vasavi , Asst Prof, CSE Dept”**, on or before 01/07/2020 and utilize this opportunity to enhance their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.


Head of the Department

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

Copy to:

- 1) Circulation in Students classroom
- 2) All HOD's
- 3) Notice Boards
- 4) PA to principal for filing.


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Malla Reddy Engineering College
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Maisammaguda, Dhulapally,
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About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. **MREC (A)** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Gundlapochampally, Medchal(M), Medchal-Malkajgiri District Telangana- 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG courses provides PG courses and MBA along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. S. Sudhakara Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.

Advisory Committee

Chief Patrons: Sri. Ch. Malla Reddy, Minister-
Telangana State-India.
Founder Chairman
Malla Reddy Group of Institutions

Patrons: Sri.Ch. Mahender Reddy
Secretary, MRGI
Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: Dr.A. Raveendera
Principal, MREC (A)


Convener: Dr.Lakshmipathi Anantha
HOD CSE

Coordinator: Mrs.G.Vasavi
Assistant Professor, CSE

Resource Person: Dr. A Prasanta Rao

Organizing Committee:

Dr. G.Charles Babu ,Professor, CSE
Dr. S. Dhanalakshmi, Professor, CSE
Mr. Sanjeeva Polepaka, Associate Professor, CSE
Mr. K Arun Kumar, Assistant Professor, CSE
Ms. S. Sandhya Rani, Assistant Professor, CSE
Mr.Md. Inayathulla, Assistant Professor, CSE
Mr.A.Lakshman, Assistant Professor, CSE
Mr.M.Srikanth, Assistant Professor, CSE
Mrs.G. Vamshi Krishna, Assistant Professor, CSE


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*A One-Month Skill development Course
(Value added Course)*

On

" Programming with PL/SQL "
(8th Dec 2020 to 15th Jan 2021)
(02.30 PM to 04:15 PM)



Organized by
Department of

Computer Science and Engineering
MALLA REDDY ENGINEERING COLLEGE
(AUTONOMOUS) MAIN CAMPUS
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AICTE & Affiliated to JNTUH-Hyderabad
Reaccredited by NAAC with 'A' Grade (II Cycle)
Maisammaguda(H), Gundlapochampally (V),
Medchal (M), Medchal - Malkajgiri District
Telangana - 500100, India.

Registration Form

Name of the Participant :-----

Branch & Year :-----

Name of Institution:-----

Address for Communication:-----

Mobile Number:-----

E-Mail ID:-----

DECLARATION:

The information furnished above is true to the best of my Knowledge.

Place:

Date:

Signature of Applicant

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About the Department

The Department of CSE was started in the year 2005 with a vision of imparting high-quality education to suite the global standards in Computer science and Engineering. The department has got highly qualified & committed faculty members supported by dedicated technical staff.

The department has its own library and sophisticated laboratories not only to suite curriculum requirements but also to serve research needs such as Computer Networks, Data Mining, Software Engineering, Image processing & Cloud Computing. Workshops, software simulation etc.

The department formed CSI and ISTE student branch for the benefit of students and faculty by conducting technical Conferences, workshops, FDPs and Guest lectures.

Overview of the Programme

The PL/SQL stands for Procedural Language extensions to Structured Query Language. Basically, SQL is used to perform basic operations of creating a database, storing data in the database, updating data in the database, retrieving the stored data of database, etc, whereas PL/SQL is a fully Structured Procedural language which enables the developer to combine the powers of SQL with its procedural statements.

The primary goal of the *workshop* was to bring together providers of *Programming with PL/SQL* toolkits and framework providers with Web platform practitioners to enrich the Open Web Platform with better foundations for *Programming with PL/SQL*.

Objectives of the Programme

This course creates exposure in identifying the various components in Programming with PL/SQL.

- Enhance the knowledge and understanding of Database analysis and design.
- Enhance the knowledge of the processes of Database Development and Administration using SQL and PL/SQL.
- Enhance Programming and Software Engineering skills and techniques using SQL and PL/SQL.
- Preparation of background materials and documentation needed for Technical

Topics to be covered

- Introduction to PL/SQL
- Transaction Control Statements
- Handling Exceptions
- Advanced Package Concepts
- Creating DML Triggers

Certificate

After successful completion of the course the certificates shall be issued to the participants.

Outcome of the program,

After completing this course satisfactorily, a student will be able to:

- In ACTs introduction to Oracle 11g PL/SQL programming training
- Attendees write stored procedures, functions, packages, and triggers, and implement complex business rules with oracle 11g.
- They learn programming, management, and security issues of working with PL/SQL program units.



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PROGRAMMING WITH PL/SQL

Course code: VACCS03

Duration of the course: (hrs):36

Objective of the course:

- Enhance the knowledge and understanding of Database analysis and design.
- Enhance the knowledge of the processes of Database Development and Administration using SQL and PL/SQL.
- Enhance Programming and Software Engineering skills and techniques using SQL and PL/SQL.
- Preparation of background materials and documentation needed for Technical
- Use the Relational model and how it is supported by SQL and PL/SQL.
- Use the PL/SQL code constructs of IF-THEN-ELSE and LOOP types as well as syntax and command functions.
- Solve Database problems using Oracle 9i SQL and PL/SQL. This will include the use of Procedures, Functions, Packages, and Triggers.

Syllabus

Unit-1

Total hrs: 7

Fundamentals:

Introduction to PL/SQL, Benefits of PL/SQL, Creating PL/SQL Blocks, Defining Variables and Datatypes : Using Variables in PL/SQL, Recognizing PL/SQL Lexical Units, Recognizing Data Types, Using Scalar Data Types, Writing PL/SQL Executable Statements, Nested Blocks and Variable Scope

Unit-2

Total hrs: 7

Using SQL in PL/SQL:

Review of SQL DML, Retrieving Data in PL/SQL, Manipulating Data in PL/SQL, Using Transaction Control Statements,

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Program Structures to Control Execution Flow:

Conditional Control: IF Statements, CASE Statements, Iterative Control: Basic Loops, WHILE and FOR Loops, Nested Loops.

Unit-3

Total hrs:7

Exception Handling:

Handling Exceptions, Trapping Oracle Server Exceptions, Trapping User-Defined Exceptions, Recognizing the Scope of Exceptions.

Using and Managing Procedures:

Creating Procedures, Using Parameters in Procedures, Passing Parameters.

Unit-4

Total hrs:8

Using and Managing Functions :

Creating Functions , Using Functions in SQL Statements, Review of the Data Dictionary , Managing Procedures and Functions , Review of Object Privilege, Using Invoker's Rights and Autonomous Transactions.

Using and Managing Packages :

Creating Packages , Managing Package Concepts , Advanced Package Concepts, Persistent State of Package Variables , Using Oracle-Supplied Packages.

Unit-5

Total hrs:7

Using and Managing Triggers :

Introduction To Triggers , Creating DML Triggers, Creating DDL and Database Event Triggers Managing Triggers Recognizing and Managing Dependencies , Introduction to Dependencies , Understanding Remote Dependencies.

Outcome of the course:

After completing this course satisfactorily, a student will be able to:

- In ACTs introduction to Oracle 11g PL/SQL programming training
- Attendees write stored procedures, functions, packages, and triggers, and implement complex business rules with oracle 11g.
- They learn programming, management, and security issues of working with PL/SQL program units.
- Programming topics will include the built-in packages that come with Oracle.
- The creation of triggers, and stored procedure features.
- Use the PL/SQL code constructs of IF-THEN-ELSE and LOOP types as well as syntax and command functions.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VAC- PROGRAMMING WITH PL/SQL - Summary

04-12-2020

Course duration: 8th Dec 2020 to 15th Jan 2021

Overview of the Course:

The PL/SQL stands for Procedural Language extensions to Structured Query Language. Basically, SQL is used to perform basic operations of creating a database, storing data in the database, updating data in the database, retrieving the stored data of database, etc, whereas PL/SQL is a fully Structured Procedural language which enables the developer to combine the powers of SQL with its procedural statements.

Objectives of the Course:

This course creates exposure in identifying the various components in Web Designing.

Enhance the knowledge and understanding of Database analysis and design.

Enhance the knowledge of the processes of Database Development and Administration using SQL and PL/SQL.

Enhance Programming and Software Engineering skills and techniques using SQL and PL/SQL.

Preparation of background materials and documentation needed for Technical

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The speaker also covered the following topics:

Introduction to PL/SQL, Transaction Control Statements, Handling Exceptions, Advanced Package Concepts, Creating DML Triggers

Outcome of the program:

On completion of this course, participants will be able to equip with all the skills required to match these expectations.

After successful completion of the course the certificates are issued to the participants

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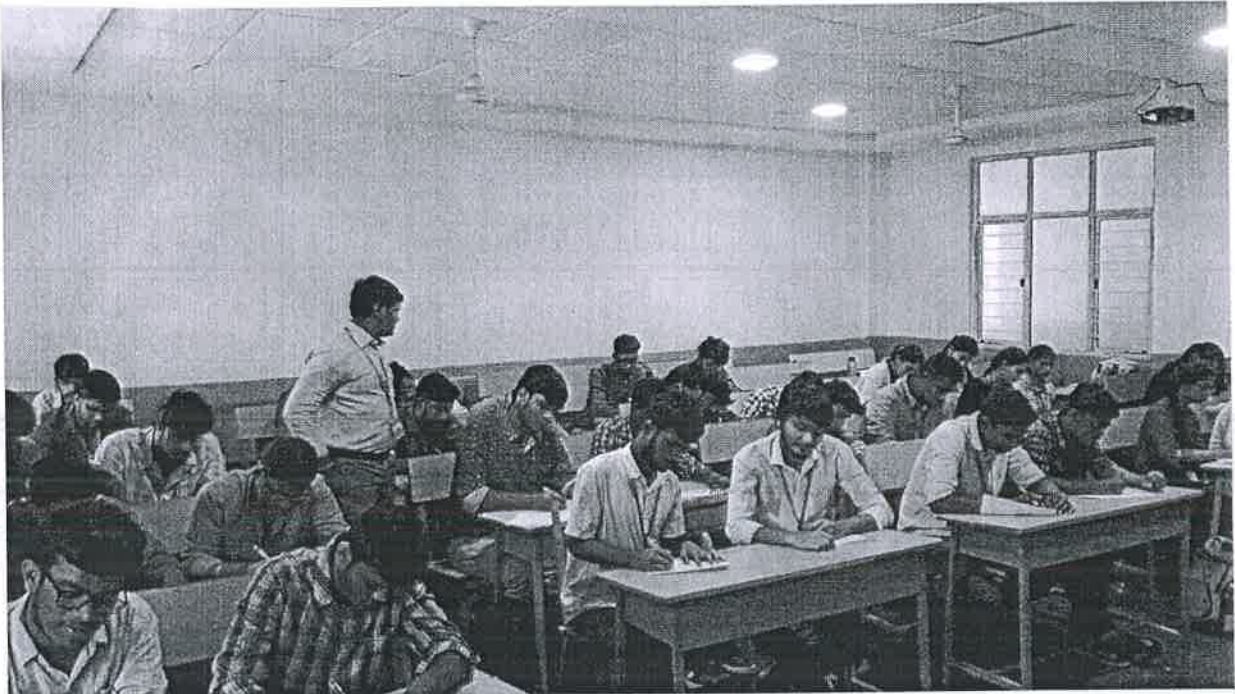
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VAC PROGRAMING WITH PL/SQL



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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ABHIGNA CHOWDARY K V L bearing Roll No. 19J41A0501 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ABHINAV VENGALA bearing Roll No. 19J41A0502 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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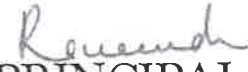
CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ADEPU UJWALA Roll No. 19J41A0503 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ANNAPUREDDY SAI PRASANNA Roll No. 19J41A0504 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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This is to certify that Mr./Ms. BADDE MAYURI Roll No. 19J41A0506 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PE/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021

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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. BALA THANUSH REDDY BHUMI REDDY bearing Roll No. 19J41A0507 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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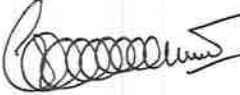


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. BANJA ASHITHA bearing Roll No. 19J41A0508 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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This is to certify that Mr./Ms. BANNELA ROHITH bearing Roll No. 19J41A0509 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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This is to certify that Mr./Ms. BHARATH BURUGU bearing Roll No. 19J41A0510 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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This is to certify that Mr./Ms. AVANCHA MARKANDESHWAR RAO bearing Roll No. 19J41A0505 has successfully completed Certificate / Value Added Course / Workshop in PROGRAMMING WITH PL/SQL conducted by the Department of Computer Science and Engineering from 08/12/2020 to 15/01/2021


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