

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC AUTONOMOUS)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC with 'A' Grade))
Sangivalasa 531162, Bheemunipatnam Mandal, Visakhapatnam Dist



ANITS



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date:13/11/2019

CIRCULAR

This is to inform all the 3/4 B.Tech II semester CSE Students that, a Lecture has been arranged on "DATABASE DESIGN AND PROGRAMMING WITH SQL". Hence all the students are suggested to attend the session without fail.

Resource person(s):

1. N.Lokeswari, AsstProf,CSE
2. K. Amaravathi, AsstProf,CSE

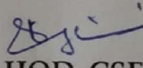
Venue: C-205

Date: 14/11/2019

Timings: 10:20 AM-12:00 PM

Co-ordinator
CSI Student Branch
Dept. of Computer Science and Engineering
Anil Neerukonda Institute of
Technology and Sciences (Autonomous)
Sangivalasa- 531162, Bheemunipatnam Mandal,
Visakhapatnam Dist.

Coordinator, CSI


HOD, CSE

Head of the Department of
Computer Science & Engineering
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa, Visakhapatnam Dist.

*Cis to all 3/4 class es
13/11/19*

Database Design and Programming with SQL

Overview

This course engages students to analyze complex business scenarios and create a data model—a conceptual representation of an organization's information. Participants implement their database design by creating a physical database using SQL. Basic SQL syntax and the rules for constructing valid SQL statements are reviewed. This course culminates with a project that challenges students to design, implement, and demonstrate a database solution for a business or organization.

Database Design

Introduction

- Introduction to the Oracle Academy
- Data vs. Information
- History of the Database
- Major Transformations in Computing

Entities and Attributes

- Conceptual and Physical Models
- Entities, Instances, Attributes, and Identifiers
- Entity Relationship Modeling and ERDs

Relationship Basics

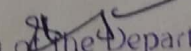
- Identifying Relationships
- ER Diagramming Conventions
- Speaking ERDish & Drawing Relationships
- Matrix Diagrams

Super/Sub Types and Business Rules

- Supertypes and Subtypes
- Documenting Business Rules

Relationship Fundamentals

- Relationship Transferability
- Relationship Types


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- Resolving Many-to-Many Relationships
- Understanding CRUD Requirements

UIDs and Normalization

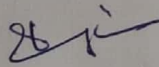
- Artificial, Composite, and Secondary UIDs
- Normalization and First Normal Form
- Second Normal Form
- Third Normal Form

Arcs, Hierarchies, and Recursive Modeling

- Arcs
- Hierarchies and Recursive Relationships

Changes and Historical Modeling

- Modeling Historical Data
- Modeling Change: Time
- Modeling Change: Price
- Drawing Conventions for Readability


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Sangivalasa 531 162, Bheemunipatnam Mandal, Visakhapatnam Dist



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 14/11/2019.

ATTENDANCE STATEMENT

TIME: 10:20 - 12:00 PM

Event Name: Data base design & programming with SQL
Resource Persons: N. Lokeswari, K. Amara vath

Sl.No	Roll No	Name of the Student	Signature
1	317126510052	Rohit Varma Prudhvi. P	Rohit
2	318126510106	G Nikhil	Nikhil
3	317126510031	K. Ramakrishna	K. Ramakrishna
4	317126510040	P. Nikhil	P. Nikhil
5	317126510058	P. Ujveki	P. Ujveki
6	317126510057	N.V. Pavan Sarthak	Sarthak
7	317126510007	B. Sai Abhishek	Abhishek
8	317126510009	B. Pruthvi Sharika	B. Pruthvi
9	318126510122	P. Goutham	G
10	318126510123	V. Prashanth	Prashanth
11	318126510118	L. Phanindrakshi	Phanindrakshi
12	317126510064	B. Ragasekhar	Ragasekhar
13	317126510102	N. Jaichand	Jaichand
14	317126510063	B. Sai Manoj Kumar	B. Sai Manoj Kumar
15	317126510101	N. Bharath	N. Bharath
16	317126510077	K. Manideep	K. Manideep
17	317126510080	K. Vasanth	K. Vasanth

Resource Person

- N. Lokeswari 14/11/19
- K. Amara vath 14/11/2019

CSI Coordinator

HOD-CSE

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 14/11/2019

ATTENDANCE STATEMENT

TIME: 10:20 -12:00PM

Event Name: Data base design & programming with SQL

Resource Persons: Ms: N. Lokeswari, K. Amravathi

Sl.No	Roll No	Name of the Student	Signature
1	317126510024	G. Leshwanth Reddy	G. Leshwanth Reddy
2	317126510047	P. Yaswanth kumar	P. Yaswanth kumar
3	317126510048	P. Abhinay Reddy	P. Abhinay Reddy
4	317126510051	R. Mounya	R. Mounya
5	317126510037	M. Amith	M. Amith
6	318126510120	K. Venkata Mukesh	K. Venkata Mukesh
7	318126510123	Bhaskar	Bhaskar
8	317126510217	D. SAI VIKAS	D. SAI VIKAS
9	318126510104	M. Sai Kumar	M. Sai Kumar
10	318126510101	M.A. RASHA	M.A. RASHA
11	317126510009	B. Pruthi	B. Pruthi
12	317126510057	N. Pavan Sashank	N. Pavan Sashank
13	317126510007	B. Sai Abhishek	B. Sai Abhishek
14	317126510109	N. Jaichand	N. Jaichand
15	317126510083	K. Sai Ram	K. Sai Ram
16	317126510108	S. Sai Balaji	S. Sai Balaji
17	317126510141	G. Saimesh	G. Saimesh

Resource Person

1. N. Lokeswari
2. K. Amravathi
14/11/2019

N. Lokeswari
CSI Coordinator

K. Amravathi
HOD-CSE

Co-ordinator
CSI Student Branch

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Sangivalasa, Visakhapatnam Dist.

<u>SL No.</u>	<u>Roll No.</u>	<u>Name of the Student</u>	<u>Signature</u>
18	317126510073	G. Deepika	G. Deepika
19	317126510010	B. Lalitha	Lalitha.
20	317126510011	B. Ramya	Alenu.
21	317126510019	G. Sravani	Gorle
22	317126510029	K. Srujana	Korke.

John
 14/11/19
 Coordinator
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 Dept. of Computer Science and Engineering
 And Nellore Institute of
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