JB J.B. INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Accredited by NBA&NAAC, Approved by AICTE & Permanently Affiliated to JNTU H Hyderabad)
Yenkapally (Vi), Moinabad (M). P.O. Himayat Nagar, RR District, Hyderabad 500075

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Guest Lecture on NoSQL DATABASE

Date 2/04/2025

CIRCULAR

This is to inform all the III Year students that the Department of Computer Science and Engineering, JBIET is organizing a Guest Lecture on "**NoSQL DATABASE** " on **05/04/2025**. All the students are here by informed to utilize this opportunity and must attend the session.

HOD-CSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on

Guest Lecture on NoSQL DATABASE

Introduction

A guest lecture on "**NoSQL DATABASE**" was organized on 05/04/2025 by the **Department of Computer Science and Engineering** as part of its academic enrichment activities. The session was delivered by **Mr.Srikanth .K** Assistant Professor from MallaReddy Engineering College Campus 1, Dulapally Road Maisammaguda Hyderabad, to enhance students' knowledge of modern database technologies that go beyond traditional relational modelsNoSQL databases have become essential in handling unstructured and semi-structured data efficiently. The session aimed to provide insights into the concepts, types, and applications of NoSQL databases.

- **Topic:** NoSQL Databases

- **Date:** 05/04/2025

- **Speaker:** Mr.K.Srikanth , Assistant Professor, MallaReddy Engineering College

- **No of Participant**s: 80 Students

Highlights of the Session

1. **Introduction to NoSQL**

   - Difference between SQL and NoSQL databases
   - Need for NoSQL in the era of big data and scalability.

2. **Types of NoSQL Databases**

    - **Key-Value Stores** (e.g., Redis, DynamoDB)
    - **Document Stores** (e.g., MongoDB, CouchDB)
    - **Column-Oriented Databases** (e.g., Cassandra, HBase)
    - **Graph Databases** (e.g., Neo4j, OrientDB)

3. **Advantages of NoSQL**

    - High scalability and performance
    - Flexible schema for unstructured data
    - Efficient handling of large-scale distributed systems

4. **Applications of NoSQL Databases**

    - Social media platforms
    - E-commerce and recommendation systems
    - Real-time analytics
    - Cloud-based applications

Outcome of the Lecture

- Students gained **awareness of modern database technologies** beyond traditional RDBMS.

- Participants understood **where and why NoSQL databases are preferred** over SQL.

- Students learned about **different types of NoSQL databases** and their practical applications.

- The session encouraged learners to **explore career opportunities** in database management, big data, and cloud computing.

Conclusion

The guest lecture on NoSQL Databases was highly informative and engaging. It provided valuable insights into how organizations manage massive datasets using modern database technologies. The knowledge gained will help students in academic projects, research, and future careers in IT and data-driven industries.

Fig-1 Mr.Srikanth .K delivering the Session to the students

Fig-2 Mr.Srikanth . delivering the session to the students

ATTENANCE

Sl.No.	Roll No.	Name of the Student	Signature
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2	23671A0502	ANAND RATHOD	
3	23671A0503	ANUMALLA RAHUL	
4	23671A0504	B KARTHIK REDDY	
5	23671A0505	BACHU RAHUL	
6	23671A0506	BADDURI ADITHYA	
7	23671A0507	BAGARI NIKHIL	
8	23671A0508	BAKKANI VAISHNAVI	
9	23671A0509	BASHABOINA SWATHI	
10	23671A0510	BHAVANI GUMDAL	
11	23671A0511	BHUKYA AKASH	
12	23671A0512	BOJJA AKSHITH	
13	23671A0513	BOLGAM MAHESH BABU	
14	23671A0514	CH PRADEEP	
15	23671A0515	CHENNARAM BHARATHSIMHA REDDY	
16	23671A0516	DARPALLY OMKAR REDDY	
17	23671A0517	DASARI JATHIN KUMAR	
18	23671A0518	DHANAVATH SRI NAIK	
19	23671A0519	DHARAM ABHISHEK	
20	23671A0520	GUDLA AKSHAYA	
21	23671A0521	J SAI VAMSHI VARDHAN	
22	23671A0522	K SHIVA	

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24	23671A0524	KAMARAJU SHASHI KIRAN	
25	23671A0525	KAMMARI NITHISH KUMAR	
26	23671A0526	PANTAM UDAY KIRAN YADAV	
27	23671A0527	KURNAPALLY VAISHNAV	
28	23671A0528	M PRASHANTH KUMAR	
29	23671A0529	MADHAVANENI SRIJANITH	
30	23671A0530	MANDAGIRI VANAJA	
31	23671A0531	MANGELA SHIVAGANESH	
32	23671A0532	MOHAMMED AFTAB JUNAID	
33	23671A0533	MUDAVATH MUKESH	
34	23671A0534	MUNJALA SIRIHASINI	
35	23671A0535	MYAKALA RETHWIK	
36	23671A0536	NANDIGAMA SHIVA KUMAR	
37	23671A0537	NENAVATH PAVAN KUMAR	
38	23671A0538	PAMARTHI GNANESHWARI	
39	23671A0539	POODARI PRATHYUSHA	
40	23671A0540	PULICHERI SINDHUJA	
41	23671A0541	PUPPALA SAMANVITHA	
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44	23671A0544	SAKSHI YADAV	
45	23671A0545	SHAIK SOHAIL AZAIN ABDUL RAFIK	
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49	23671A0549	V RISHI	V Rishi
50	23671A0550	VEERAMUSTI SAI DHANUSH	Dhanush.
51	23671A0551	VELMALA SHRAVAN REDDY	Shravan
52	23671A0552	THENMATAM KALYANA CHARYULU	Kalyan
53	23671A0553	DANNARAM ANJI REDDY	Saitheja
54	23671A0554	YANAGANDULA SAITEJA	Sai
55	23671A0555	BILLAPATI SRIKANTH REDDY	Srikanth
56	23671A0556	SHAKKARAGARI MANOJ REDDY	ManojReddy
57	23671A0557	VASANTHA SWATHIKA	Swathika.
58	23671A0558	ADARSH	Adarsh
59	23671A0559	KUNURU NIKHIL	Nikhil
60	23671A0560	KONDA RAJESH REDDY	Rajesh
61	22671A0501	ADEPU UDAYKUMAR	Uday
62	22671A0502	ANURADHA SAHOO	Sahoo
63	22671A0503	ASADI HARI PRASAD	Hari Prasad
64	22671A0504	B AKHIL SINGH	
65	22671A0505	BOJJANABOINA VEERA AKUL RAGHAV	Akul
66	22671A0506	BURRA SAI VARDHAN	Vardhan
67	22671A0507	CHAKALI KAVYASRI	Kavyasri
68	22671A0508	CHANDRA SHEKAR PUNNA	Punna
69	22671A0509	CHIPPALAPALLI SOWMYA	Sowmya
70	22671A0511	DONGLE GAYATHRI	Gayathri
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72	22671A0513	ELDONDA PREETHI	Preethi

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75	22671A0518	GELLU YASHWANTH	
76	22671A0519	GUNNALA KRITISH	
77	22671A0520	KALBURGI AKHILA	
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79	22671A0533	MANNEM TEJASWINI	
80	22671A0534	MAREDDY LAKSHMI	
81	22671A0535	MOHAMMAD SAQUIB JAMAL	
82	22671A0555	YADALA KALYAN	
83	22671A0556	YENNU KEERTHANA	
84	22671A0557	YERRA SHIVA KUMAR	
85	22671A0559	P LAKSHMI PRASANNA	