



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)
Department of Computer Science and Engineering



Guest Lecture

on

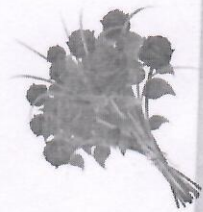
“MongoDB and NoSQL Databases: Concepts and Applications”

By

Mr R Kumar

Project Manager

Aditi Software, Hyderabad.





LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution since 2010)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I),
An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 01-04-2026

CIRCULAR

This is to inform all students of IV-Semester of the CSE Department that a Guest Lecture on "MongoDB and NoSQL Databases: Concepts and Applications" will be conducted on 2nd April 2026 in online mode.

The details of the event are as follows:

Topic: MongoDB and NoSQL Databases: Concepts and Applications

Date: 02-04-2026

Time: 06:30 PM to 09:00 PM

Mode: Online (<https://tinyurl.com/DBMS-guest-lecture>)

Guest Speaker: Mr. R. Kumar,
Project Manager,
Aditi Software, Hyderabad.

The session will provide valuable insights into NoSQL database concepts and practical applications of **MongoDB** in modern software development. Students will gain an understanding of scalable data management, real-time data processing, and industry-oriented database solutions.

Note: Attendance is mandatory for all students of IV-Semester of the CSE Department.

Faculty Coordinators:

Dr. G. Sambhi Reddy

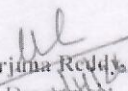
Mr. N.V. Naik

Ms. P. Sarala

Ms. G.V. Rajya Lakshmi

Mr. D. Anil Kumar

Mr. P. Rajasekhar


Dr. S. Nagarjuna Reddy
Head of the Department



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Report on One-day Guest Lecture

on

"MongoDB and NoSQL Databases: Concepts and Applications"

Event Type	: A One Day Guest Lecture
Date	: 02 April 2026
Time	: 06:30 AM - 09:00 PM
Mode	: Online Platform (through the MS Teams link: https://rb.gy/4fbpqi)
Organized by	: Department of Computer Science and Engineering, LBRCE.
Resource Speaker	: Mr. R. Kumar, Project Manager, Aditi Software, Hyderabad
Convener	: Dr. S. Nagarjuna Reddy
Coordinator(s)	: Dr. G. Sambhi Reddy, Mr. N.V. Naik, Ms. P. Sarala, Ms. G.V. Rajya Lakshmi, Mr. D. Anil Kumar, Mr. P. Rajasekhar
Target Audience	: B. Tech IV Sem CSE.
Total no. of Students	: 490 Students

1. Objective of the Event

The objective of the guest lecture was to introduce students to modern database technologies, focusing on NoSQL databases and MongoDB. The session aimed to provide insights into scalable data management, real-time data processing, and the practical applications of NoSQL systems in industry.

2. Outcome of the Event

The guest lecture successfully achieved its objectives by:

- Enhancing students' understanding of NoSQL database concepts and MongoDB architecture.

- Familiarizing students with real-world applications such as big data handling and distributed systems.
- Providing exposure to industry practices and tools used in modern data-driven applications.
- Motivating students to explore projects and careers in database technologies and data engineering.

3. Description of the Event

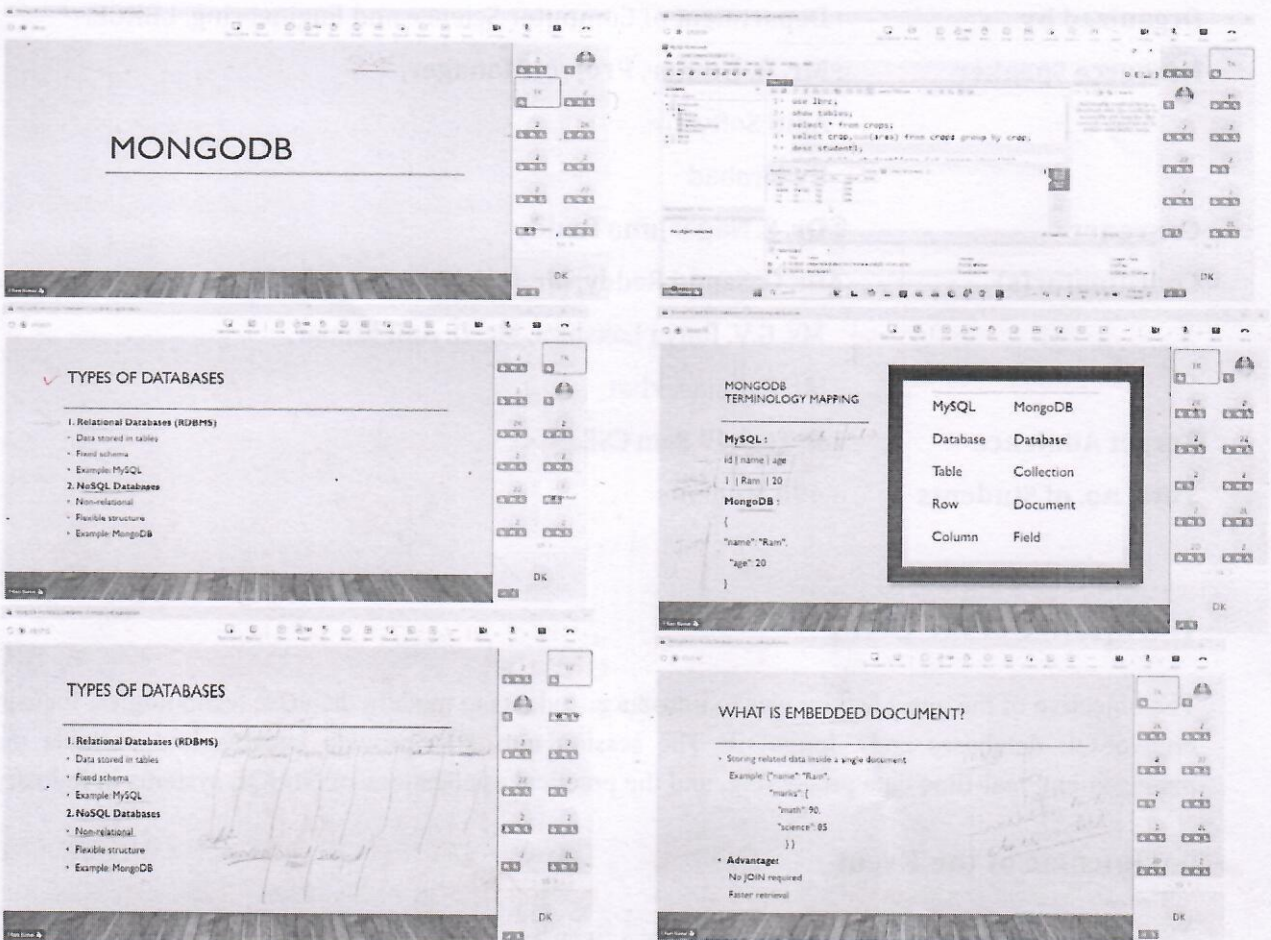
The guest lecture was delivered by **Mr. R. Kumar**, Project Manager at Aditi Software, Hyderabad.

The session commenced with a welcome address by the Head of the Department, followed by the introduction of the resource person by the faculty coordinators.

During the lecture, the speaker covered the following topics:

- **Introduction to NoSQL Databases:** Differences between SQL and NoSQL, types of NoSQL databases.
- **MongoDB Fundamentals:** Document-oriented data model, collections, and CRUD operations.
- **Scalability and Performance:** Sharding, replication, and handling large-scale data.
- **Industry Use Cases:** Applications of MongoDB in real-time systems, web applications, and big data environments.

The session concluded with an interactive Q&A session, where students actively engaged with the speaker and clarified their queries.



4. Impact Analysis

The guest lecture had a significant impact on students by:

- Broadening their understanding of modern database technologies beyond traditional relational databases.
- Enhancing awareness of industry trends in NoSQL and distributed data systems.
- Encouraging students to adopt modern tools for academic projects and research.

5. Feedback and Suggestions

Feedback from Participants:

- **Positive Feedback:** Students found the session informative, relevant, and aligned with current industry requirements.
- **Constructive Feedback:** Some students suggested including hands-on demonstrations for better practical understanding.

Suggestions for Future Events:

1. Conduct practical workshops along with guest lectures.
2. Include live demonstrations of MongoDB tools and queries.
3. Extend session duration for deeper interaction and hands-on practice.

Conclusion

The guest lecture on “**MongoDB and NoSQL Databases**” was highly informative and well-received. It provided valuable insights into modern data management techniques and inspired students to explore advanced database technologies for academic and professional growth.

Faculty Coordinators:

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Mr. N.V. Naik
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Mr. D. Anil Kumar
Mr. P. Rajasekhar

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24/26
Dr. S. Nagarjuna Reddy
(Head of the Department)

HEAD

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