



Department of Computer Science & Engineering

Date: 19/06/2026

Submitted,

Sub: Report on Guest Lecture on **“Exploring Advanced DBMS Techniques and Relational Database Design”** – Reg.

The Department of Computer Science and Engineering (CSE), Sri Sairam College of Engineering, Bengaluru, conducted an online Guest Lecture on **“Exploring Advanced DBMS Techniques and Relational Database Design”** on **19.06.2026** through **Google Meet**.

The program commenced with a welcome address by **Dr. Smitha J. A., Head of the Department of CSE**. The resource person's introduction by Dr.Karthika K, ASP/CSE. The Event Co-ordinators are Dr.Karthika K, Dr.V Yamuna & Prof.Nagaveni B R .

The resource persons for the session were:

Dr.Parijata Majumdar,
Assistant Professor,
Department of IT,
Tiripura University.

Introduction

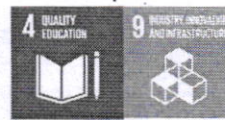
The guest lecture on **“Exploring Advanced DBMS Techniques and Relational Database Design”** was organized to enhance students' understanding of advanced concepts in Database Management Systems (DBMS) and effective relational database design. The session provided valuable insights into database architecture, normalization techniques, query optimization, and modern database technologies.

Objectives of the Guest Lecture

- To introduce advanced concepts in DBMS.
- To explain relational database design principles.
- To understand normalization and database optimization techniques.
- To provide knowledge about real-world database applications.
- To create awareness of current trends in database technologies.

Overview of the Session

The resource person began the session by discussing the importance of databases in modern software applications and enterprise systems. The lecture covered the fundamentals and advanced concepts of DBMS, emphasizing the role of efficient database design in improving system performance and data integrity.



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The speaker explained the importance of designing well-structured databases to minimize redundancy and improve data consistency. Real-world examples and case studies were presented to help students understand practical database implementation.

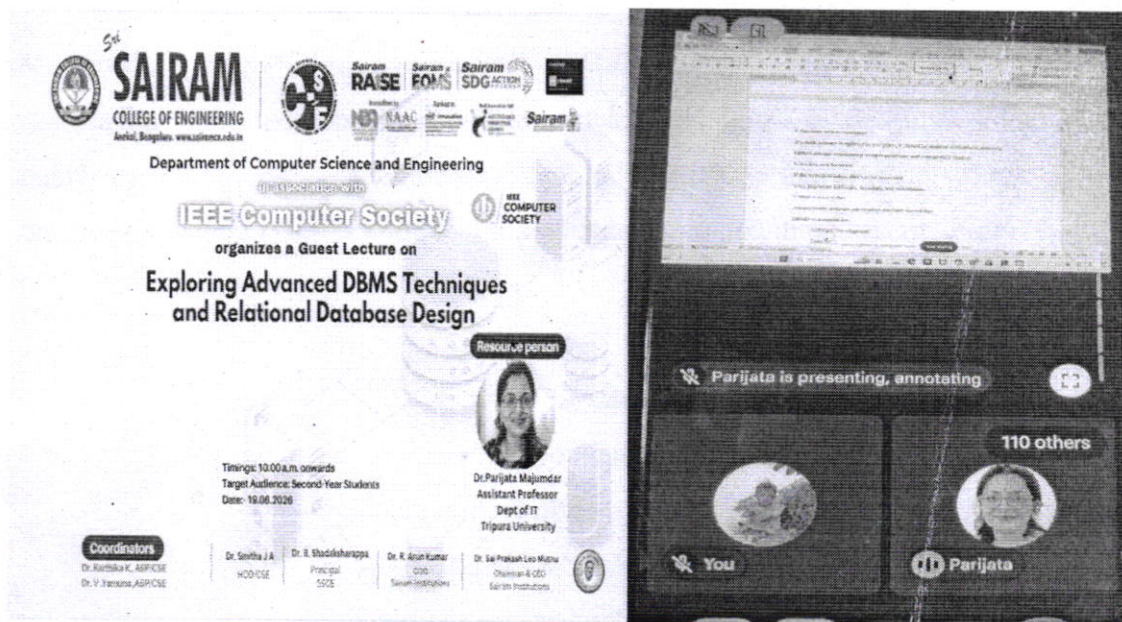
Outcome of the Guest Lecture

The guest lecture successfully enhanced students' understanding of advanced database concepts and relational database design. The session also helped students understand the relevance of DBMS in software development and data-driven applications.

Conclusion

The guest lecture on **“Exploring Advanced DBMS Techniques and Relational Database Design”** was highly informative and beneficial. It provided valuable insights into advanced database technologies and best practices in relational database design. The session motivated students to strengthen their database management skills and explore further learning opportunities in this field.

The event concluded with an interactive question-and-answer session, followed by a vote of thanks. The organizing team expressed their gratitude to the resource person for sharing valuable knowledge and expertise with the participants.



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