NARAYANA ENGINEERING COLLEGE::NELLORE
AUTONOMOUS

Department of Electronics & Communication Engineering

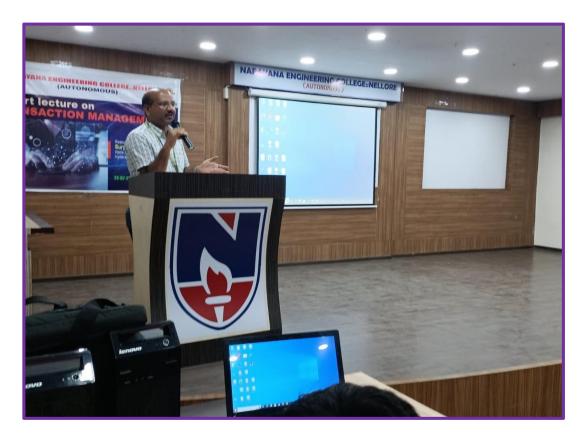## Report on Transaction Management

The department of ECE has Conducted Expert Lecture on **"Transaction Management"** on 24-07-2023 & 25-07-2023 Students of B.Tech II Year were participated in this event.

Dr. K. Murali, HoD ECE welcomed the gathering.

Resource Person:

Surya Prakash. I

Wells Fargo Centre Hyderabad, INDIA 500032

Inauguration of the event by Head of the Department

The Resource person discussed about **Transaction management** as "the supervision of critical business applications and services by auditing the individual transactions that flow across the application infrastructure. Above 200 students are attended the lecture.

Resource person discussing about Transaction Management

The session started with introduction of Transaction management and also resource person discussed the concepts of:

- Transaction Processing

- Transaction state

- Implementation atomicity and Durability

- Acid properties and Concurrent Executions.

In the next session covered with topics Failure classifications, recovery and atomicity. And also resource person clearly discussed about

Index Data Structures:

- Introduction to Index Data Structures,

- Hash-Based,

- Tree Based Indexing.

Students interestingly listening to the lecture

The resource person very effectively explains the Transaction management with a suitable example like transaction operations to be performed to withdraw cash from an ATM vestibule. The steps involved in this operation are:

- Transaction Start.
- Insert your ATM card.
- Select a language for your transaction.
- Select the Savings Account option.
- Enter the amount you want to withdraw.
- Enter your secret pin.
- Wait for some time for processing.
- Collect your Cash.
- Transaction Completed.

Through this lecture students acquired practical knowledge in the concept of Transaction management in DBMS.