

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

<b>1</b>	Name of the Activity/Event	Expert Lecture on " <b>Principles of Data Base</b> "		
<b>2</b>	Date of Activity/Event	<b>24/06/2022 to 26/06/2022</b>		
<b>3</b>	Organized by	<b>Department of Electronics And Communication Engineering</b>		
<b>4</b>	Place of Activity/event	Visvesvaraya Auditorium		
<b>5</b>	Resource persons / guest / organization	<b>Surya Prakash. I</b> Technology Role, Wells Fargo Centre Hyderabad- 500032		
<b>6</b>	Type of activity/Event	Expert Lecture		
<b>7</b>	Activity/Event objectives	1.This course aims at providing an opportunity for students to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. 2. This program serves as a platform for students to work with recent trends in Electronic simulation related areas.		
<b>8</b>	Participation	Students	Faculty	Total Participation
		209	-	209
<b>9</b>	General remarks	1. Introduction to Transaction processing. 2. Introduction to Index data structures.		
<b>10</b>	Suggested Improvements	Need Hands-on session and more real time examples		
<b>11</b>	Enclosures	1. Program report with Snapshots 2. Attendance sheet		
<b>12</b>	Signature of Co-ordinator			

The Electronics and Communication Engineering department has organized a Expert Lecture on " **Principles of Data Base** " from **24/06/2022 to 26/06/2022**, The Resource person is **Surya Prakash.I** ,Technology role, Wells Fargo Centre, Hyderabad.

The II B.Tech students from the ECE department had attended this Lecture. Total of **208** students attended to this session.



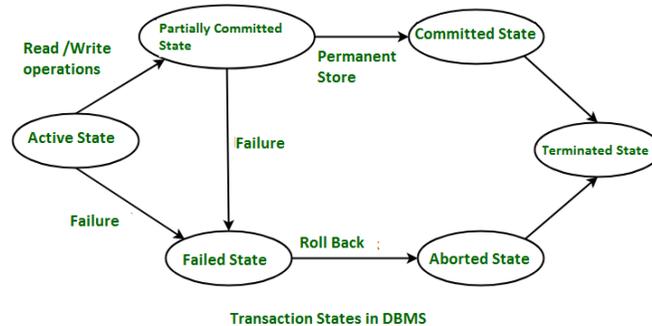
### **Resource Person is explaining about Transaction Management**

In this session resource person covered the syllabus which was related to their curriculum. On the first day he started the session by introducing himself and importance of Transaction management which is a set of operations used to perform a logical set of work. A transaction usually means that the data in the database has changed. One of the major uses of DBMS is to protect the user's data from system failures. It is done by ensuring that all the data is restored to a consistent state when the computer is restarted after a crash. The transaction is any one execution of the user program in a DBMS. Executing the same program multiple times will generate multiple transactions. The Resource person explained real-time examples such as Transaction to be performed to withdraw cash from an ATM vestibule.



### **Resource person sharing information regarding this session**

In the next session he covered the Transaction states in which Transactions can be implemented using SQL queries and Server.



In the last session he discussed the ACID properties and uses of Transaction Management and also discussed Index data structures. Indexing is a way to optimize the performance of a database by minimizing the number of disk accesses required when a query is processed. It is a data structure technique which is used to quickly locate and access the data in a database.



### **Students sharing the information regarding this session**

Confidentiality he discussed with real time examples and the session was made really interactive by providing an opportunity to suggest a solution to real life scenario with the help of images and videos which were given by the resource person.