



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust


(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

NH-66, Kottara Chowki, Mangaluru, Karnataka 575006

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NAME OF THE EVENT:	Workshop on “Advances in Database & SQL”
ORGANISING DEPARTMENT:	Department of Computer Science & Engineering
NAME OF THE CO-ORDINATORS:	Dr. Laxmi Gulappagol & Mr. Chanchal Antony
DATE:	31 <sup>st</sup> January 2022 to 02 <sup>nd</sup> February 2022
NAME OF THE RESOURCEPERSON:	Mr. Navile Nageshwara Naveen Corporate Trainer, Speaker on Java programming & Android App Development Bengaluru, Karnataka, India.
NO OF PARTICIPANTS:	58

**About the Event:** The Department of Computer Science and Engineering organized 3-days online workshop on the topic “Advances in Database & SQL” from 31<sup>st</sup> January 2022 to 02<sup>nd</sup> February 2022. Mr. Navile Nageshwara Naveen, Corporate Trainer, Speaker on Java programming & Android App Development, Bengaluru, Karnataka, India was the resource person for the event.



### A J INSTITUTE OF ENGINEERING & TECHNOLOGY


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NH-66, Kottara Chowki, Mangaluru, Karnataka 575006

#### Department of Computer Science and Engineering


*Presents Online Workshop on*

## Advances in Database Management & SQL

by



Mr. Navile Nageshwara Naveen  
Corporate Trainer, Speaker on Java programming &  
Android App Development  
Bengaluru, Karnataka, India



**Date: 31/01/2022 to 02/02/2022**  
**Time: 9:00 AM to 4:30 pm**  
Registration Link: [https://bit.ly/cse\\_workshop1](https://bit.ly/cse_workshop1)

EVENT CO-ORDINATORS : Dr. Laxmi Gulappagol & Mr. Chanchal Antony ,  
laxmi@ajiet.edu.in or chanchalantony@ajiet.edu.in

Mr. Navile Nageshwara completed his B. Tech in “Computer Science and Engineering”, at Don Bosco Institute of Technology, Bangalore, after which he pursued his M. Tech in “Digital Communication and Networking”, at SJB Institute of Technology, Bangalore. He is currently working as an assistant professor at Maharaja Institute of Technology, Thandavapura, Mysuru, and has been working there for the past 3 years, before which he was working at Coorg Institute of Technology for almost 6 years. He is skilled in various technologies such as Java, SQL, Android App Development, and others, which is very apparent from the various talks, seminars, and workshops he has conducted.

Mr. Aneesh, Student (Third Year), CSE department, welcomed the guest and gave an introduction about the speaker.

### **Day-1:**

Mr. Navile started his presentation with a brief introduction to the basics of Database (Definition of Data, Information, Database etc) and also basics of SQL (CREATE, INSERT, SELECT, FROM, WHERE, GROUP BY, ORDER BY, COUNT, HAVING etc). Further, he elaborated SQL Program (Lab Program 1, Library Management System) using SQL Queries Software used: XAMPP and MySQL. During his presentation, he gave insights to the students regarding the

Data- It refers to all the single items that are stored in a database.

Information-Data is raw, unprocessed, un-organized facts that are seemingly random and do not yet carry any significance or meaning.

Information refers to data that is organized.

Database-A database is an organized collection of structured information, or data, typically stored electronically in a computer system.

Database system- It is computerized way of storing data. Users of that system can perform various operations depending on their requirements.

Database Schema-Description of a database. Includes description about the structure of database, data types and constraints in the database.

Schema diagram-Illustrative display of a database schema.

Schema construct-Component of the schema or an object within the schema

Example-student, course

Levels of abstraction

- Physical level

- Logical level

- view or external level

Physical level-It is the lowest level of abstraction for DBMS which defines how the data is actually stored.

Logical level-Logical level is the intermediate level or next higher level. It describes what data is

stored in the database and what relationship exists among those data.

### **Day-2:**

After completing the basics of DBMS, he explained on the main characteristics of database such as self-describing nature of database systems the which includes, metadata and insulation between programmes and data or programme data independence and also sharing of data and multi user transaction processing. Further, he listed various advantages of using database like controlling redundancy in data storage and development and maintenance efforts, sharing of data among multiple users, restricting unauthorized access of data, providing persistent storage for programme objects and providing storage structure for efficient query processing. After explaining all the concepts required for, he demonstrated how to use my PHP admin. In which students learned:

- How to create a database
- How to insert elements
- Alter tables
- How to use order by
- The functions of DESC etc.,

### **Day-3:**

The Quiz was conducted based on day-1 and day-2 contents, followed by students mini-project Demo presentation as a part of learning outcome. At the end of the session, a quick Q&A session was hosted to clear doubts and queries and it was addressed by the guest speaker with the affirmative. Mr. Aneesh, Student of 3<sup>rd</sup> year, proposed the vote of thanks and Dr. Antony P.J thanked Mr. Navile Nageshwara Naveen for sparing his valuable time with the students of AJIET in sharing his knowledge and giving an insight to DBMS and SQL technologies.

### **Online Workshop platform details:**

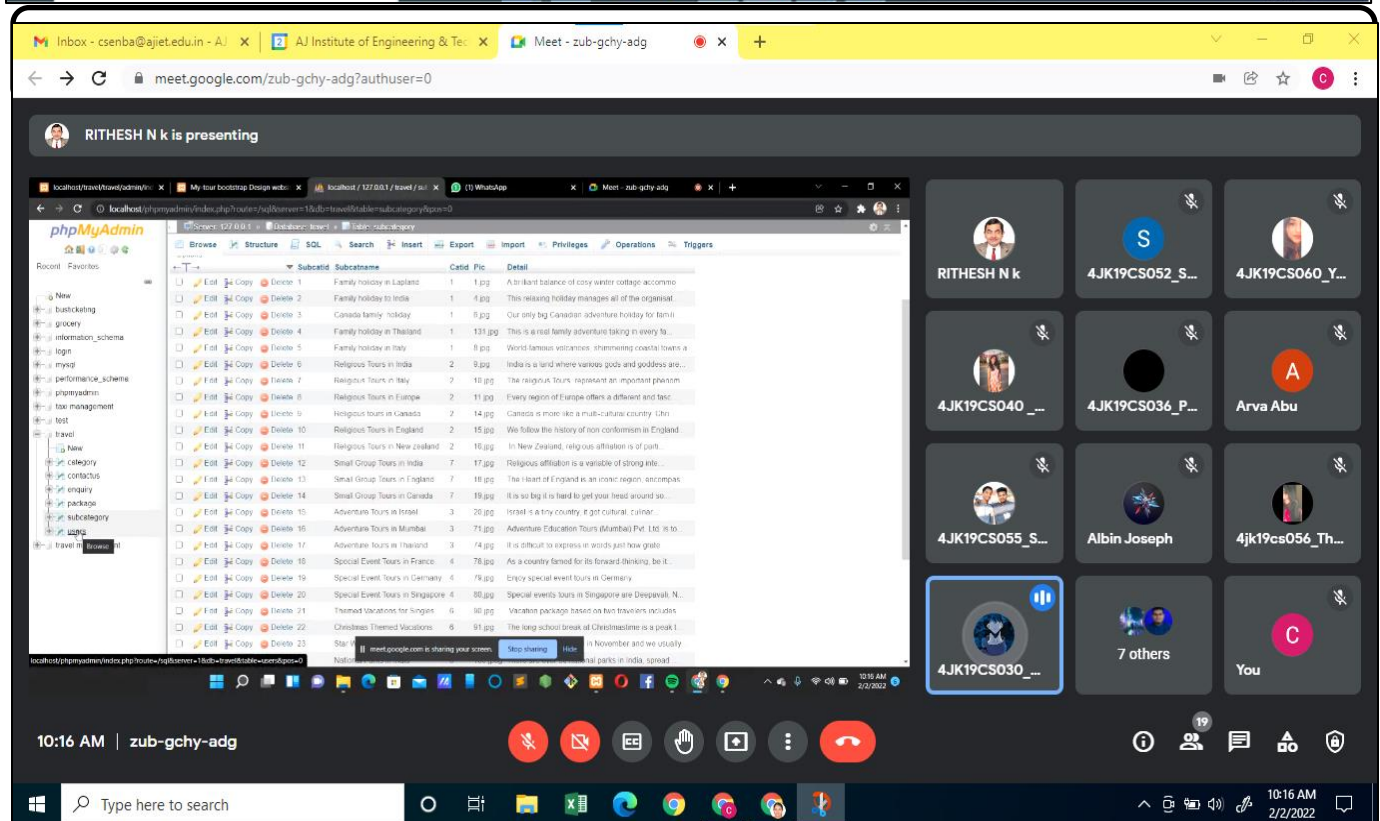
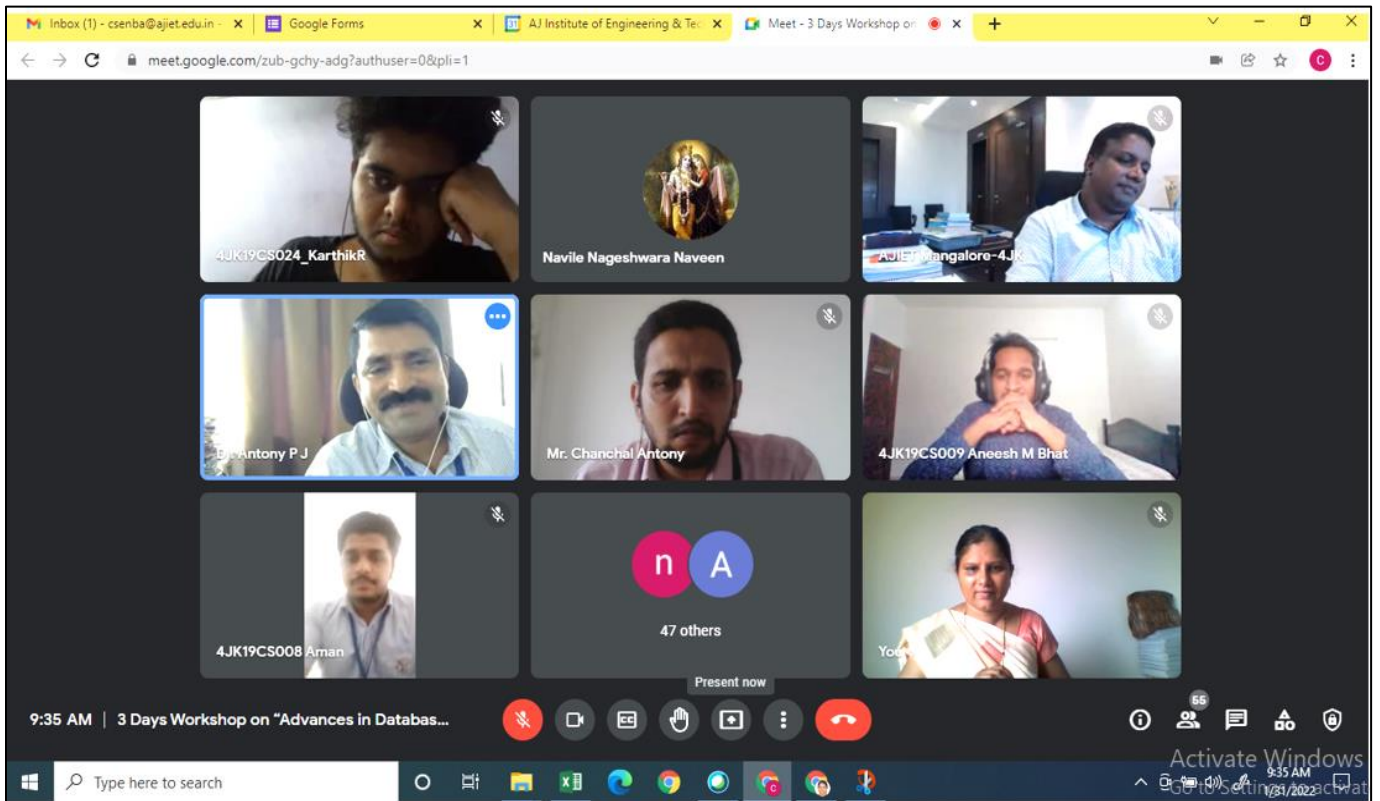
<b>Event Link</b>		<b>Number of Students</b>
Google meet Link:	<a href="https://meet.google.com/zub-gchy-adg">https://meet.google.com/zub-gchy-adg</a>	58
Registration Link:	<a href="https://forms.gle/pDsr5od8dcyKLSWG6">https://forms.gle/pDsr5od8dcyKLSWG6</a>	58
QUIZ Link:	Day-1: <a href="https://forms.gle/ABZs3eXWCcnw2RmM6">https://forms.gle/ABZs3eXWCcnw2RmM6</a>	58
	Day-2: <a href="https://forms.gle/yEDnMpdq5Ky8yUE17">https://forms.gle/yEDnMpdq5Ky8yUE17</a>	44
Feedback Link:	<a href="https://docs.google.com/forms/d/11Q65ltk0znCXidODV9cADTP4aNeGFrBguLBiQV3xjCY/prefill">https://docs.google.com/forms/d/11Q65ltk0znCXidODV9cADTP4aNeGFrBguLBiQV3xjCY/prefill</a>	36

### **Outcomes achieved by the technical talk:**

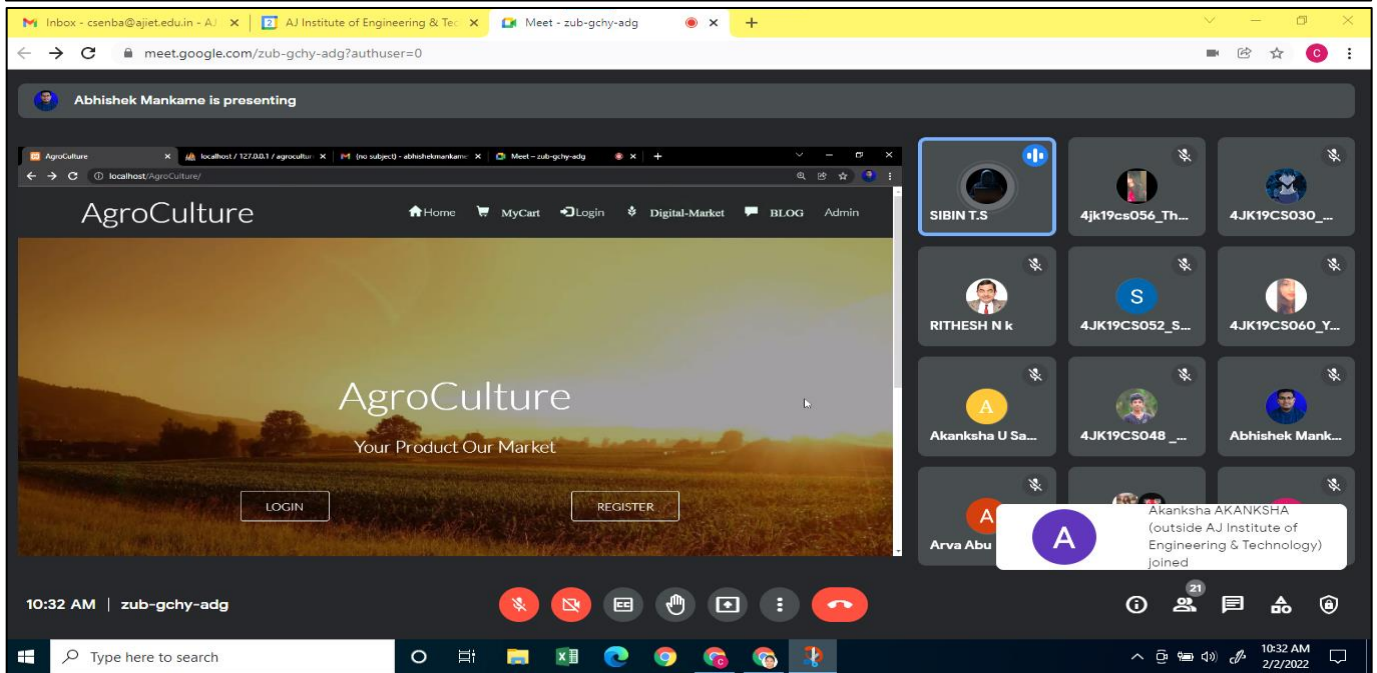
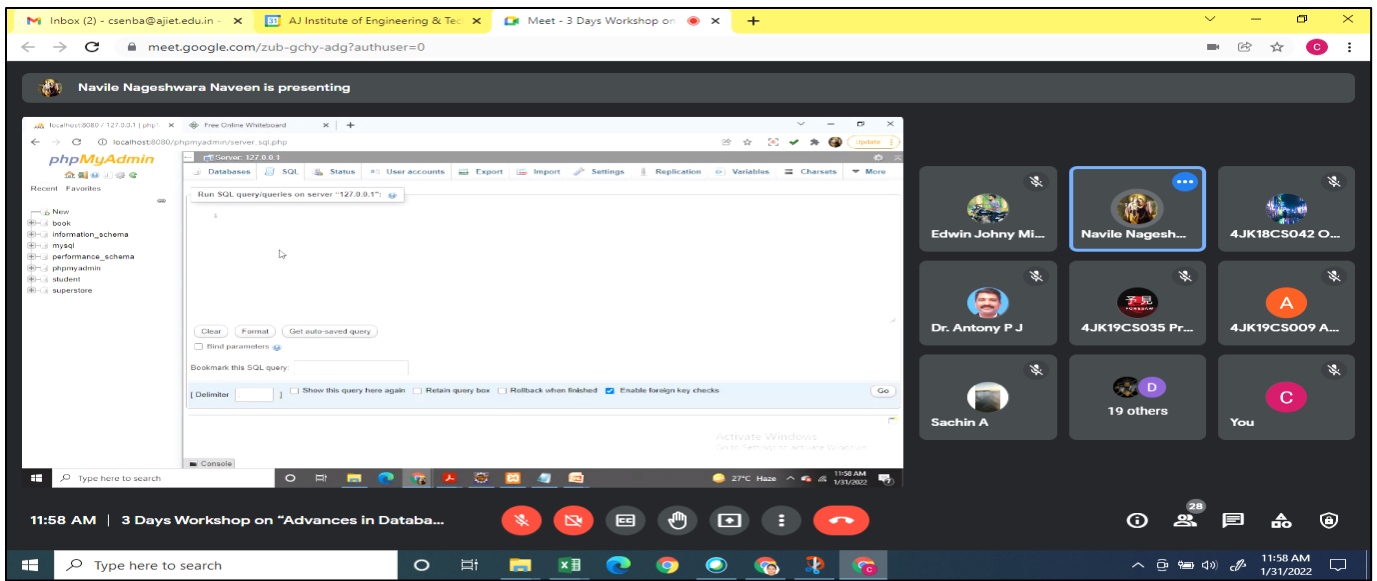
- Based on the **student's feedback**, workshop was very helpful, informative for understanding the DBMS and its core concepts. The overall rating of the workshop is 75% students recommend this event in offline mode.
- From the workshop, student have gained knowledge in the field of DBMS & SQL in real

time applications and are able to carry out **projects** in the said domain.

- Learning outcome based on the performance in quiz (Day-1 and Day-2) is maximum after observing the active participation and score in the quiz.



**Snapshot of Online Workshop titled on "Advances in Database Management & SQL"**



**Snapshot of students project demo on Day-3**

Dr. Laxmi Gulappagol  
Mr. Chanchal Antony

**CO-ORDINATORS**

Dr. Antony P. J

**HOD-CSE**

Dr. Shantharama Rai C

**PRINCIPAL**

Copy to: 1. President, LMET  
2. Vice President, LMET  
3. CSE Department/IoT Club File