



Guest Lecture / Half Day Workshop on “Database Management System and JDBC CRUD Operations”

Academic Year: 2024-25

Name of the Event: Guest Lecture on “ Database Management System and JDBC CRUD Operations”

Date & Time of the Event: 16th October 2024 at 9.00 am to 12.00 noon

Name of the Speaker: Mr. Prasad Sase.

Designation: Founder & Proprietor of N Infinity Info Solutions

Name of the Company / Institution with Address: N Infinity Info Solutions and N Infinity Engineering Academy.

Targeted Audience: SE IT

Venue: Offline PPCRC 302

Event Coordinator: Prof. Sharda Thete

Number of Participants:

Activity Description in Nutshell:

The Department of Information Technology is organized an expert session on "Database Management System and JDBC CRUD Operations " on 24th March 2025, Monday from 9.00 AM to 1.00 PM. for SE IT (Both A and B Divisions) students. The duration of the event was 4 hours started at 9.00 AM.

Objectives of the Session: The key objectives of this expert session were to:

EOB1: To introduce students to the core concepts of DBMS, including database models, data integrity, and normalization.

EOB2: To understand **Standardized Database Interaction (JDBC)**.

EOB3: To **Build Data-Driven Applications**.

A total of 153 students have attended the session.

During the 4-hour session, the expert covered the core concepts like DDL, DML with MySQL queries and Advanced Database concepts such as SQLite, NoSQL. Then the importance of normalization and the normal forms are explained by the expert.

After that GUI implementation is demonstrated to students. (with JAVA Swing). The expert explained purpose of JDBC as a Java API for database interaction and JDBC architecture (JDBC Drivers, DriverManager, Connection, Statement, PreparedStatement, ResultSet). Then he explained connectivity of database and GUI through JDBC (Java Database Connectivity). Demonstration of JDBC Environment was given and simultaneously students were also building the GUI and were setting up the JDBC environment. Then he explained the JDBC CRUD Operations – Create, Read, Update and Delete.

The expert session on "Database Management System and JDBC CRUD Operations" proved to be a valuable learning experience for the students. The expert's insights and practical explanations enhanced the understanding of accessing database through GUI.

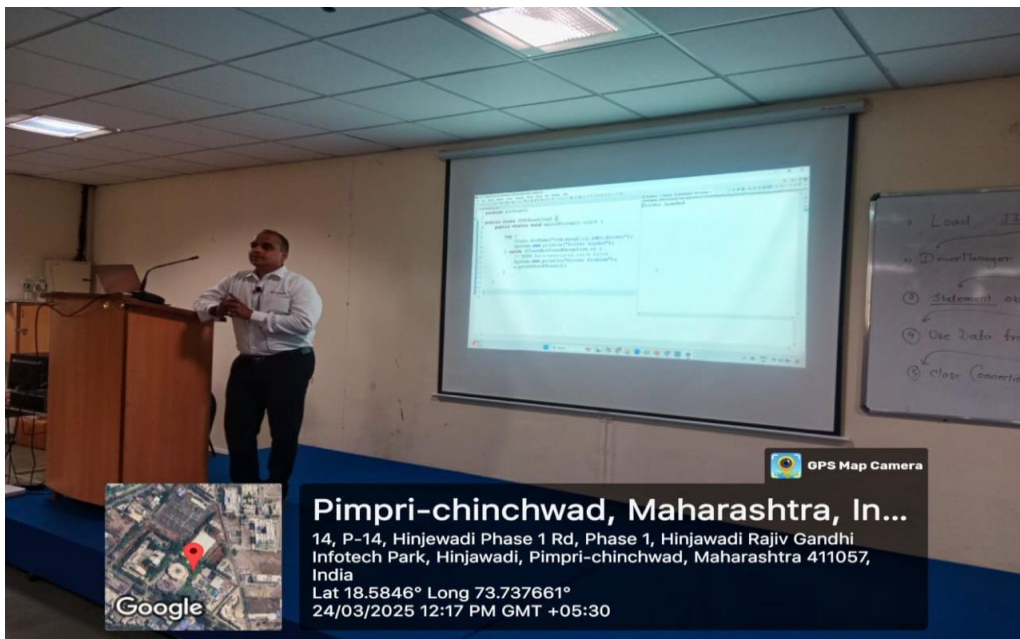
The resource person has cleared all doubts/queries asked by the students. The event ended with a vote of thanks.

As the outcome of this event the students will surely be able to establish secure and reliable connections between Java applications and various relational databases using JDBC. They will be able to optimize SQL queries for performance. And surely they will create applications that rely on data stored in databases as their Mini-Project.

Event Photos:



1 Resource Person Giving overview of session



2 Resource Person addressing the students



3 Resource Person clearing the doubts of the students



4 Students building UI with the help of expert



5. Conclusion of Session



6. Letter of apparition presented to the Expert

Event Coordinator

Head of Department