



Report on a 2-Days Workshop on Advance Java Programming

Title: Report on a 2-Days Workshop on Advance Java Programming

Date: 17th February 2026 to 18th February 2026.

Time: 9.00 am.

Venue: Open Source & Database Lab(101/102).

Participants: **Second Year Students (CO) from SIOT.**

A two-day workshop on Advance Java Programming was conducted on 17th and 18th February 2026 at 9:00 AM in the Open Source & Database Lab (101/102) for the Second Year Computer Engineering (CO) students of Saraswati Institute of Technology (SIOT). The workshop aimed to provide in-depth knowledge of advanced Java concepts and their practical applications in software and web development. The sessions were designed to bridge the gap between theoretical learning and industry requirements.

On the first day, the resource person covered important advanced Java topics such as Exception Handling, Multithreading, and the Collections Framework. Students learned how to manage errors effectively, execute multiple threads simultaneously, and use collection classes efficiently. The introduction to JDBC (Java Database Connectivity) helped students understand how Java applications interact with databases. Practical demonstrations were conducted to show how to establish connections, execute SQL queries, and retrieve data from databases.

The hands-on sessions on Day 1 allowed students to implement the concepts in real time. They practiced writing Java programs to connect with databases and handle runtime exceptions. The lab environment provided them with an opportunity to experiment, debug errors, and strengthen their coding skills under expert guidance. The interactive teaching approach encouraged students to ask questions and clarify their doubts.

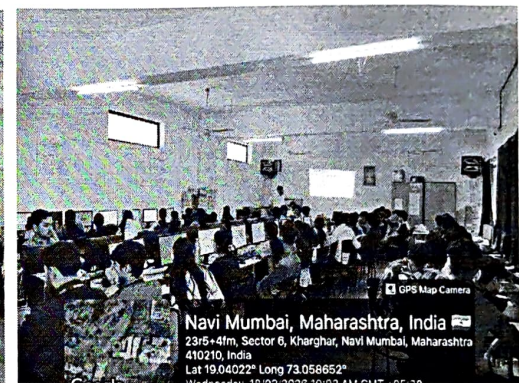
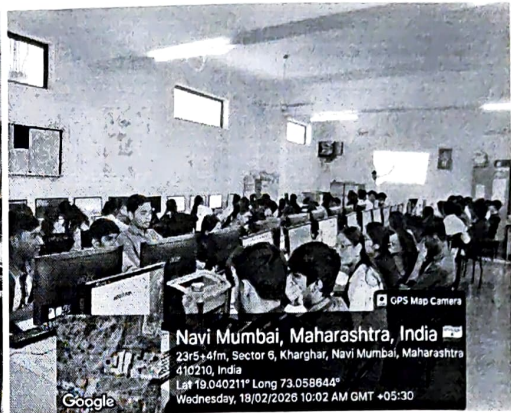
On the second day, the focus shifted to web technologies such as Servlets, JSP (Java Server Pages), and Session Management. Students were introduced to the basics of server-side programming and dynamic web application development. The concept of MVC architecture was also explained to help them understand structured application design. Practical sessions were conducted where students created simple dynamic web applications integrating Java with databases.



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Kharghar, Navi Mumbai - 410 210.




Technical Coordinator

Ms. Shafaque Baig


HOD

Ms. Komal A. Jadhav


Principal

Dr. D.R. Suroshe

Head of Department
Saraswati Institute of Technology

Principal
Saraswati Institute of Technology
Kharghar, Navi Mumbai - 410210.

