

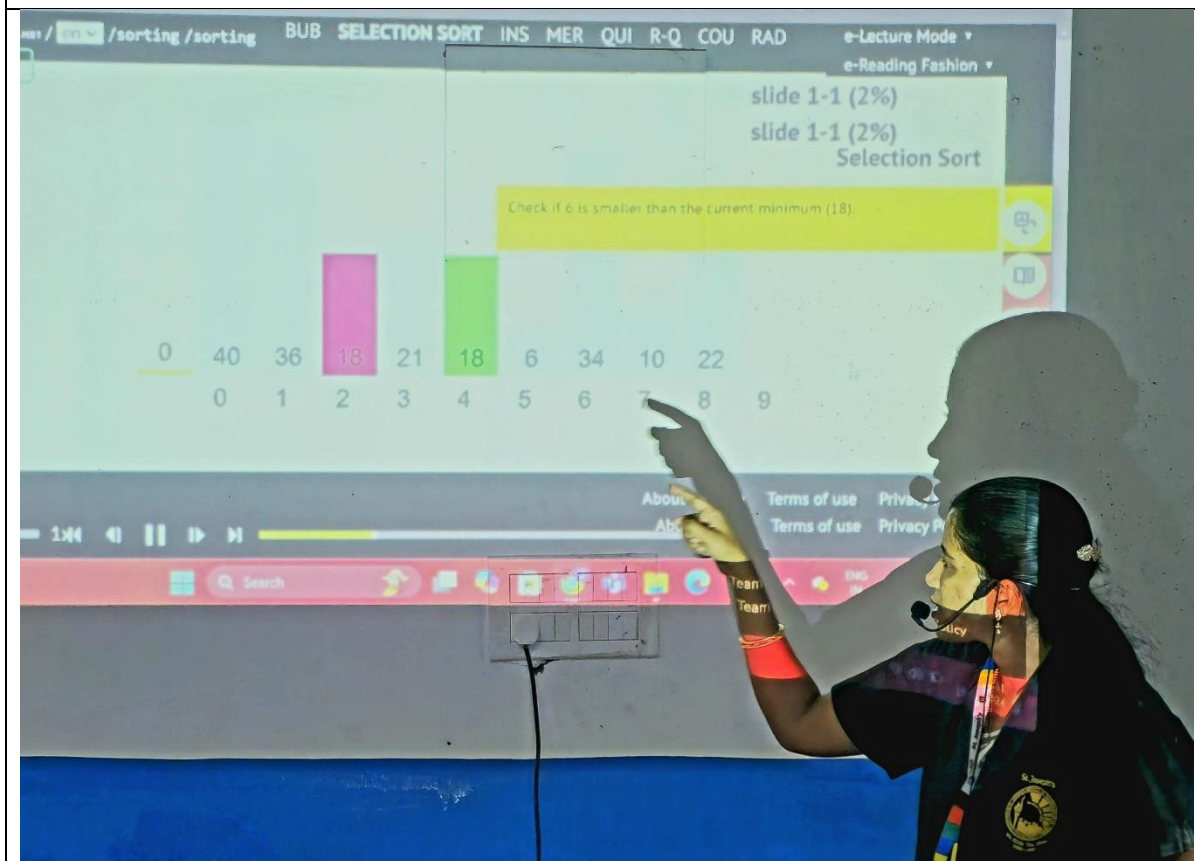
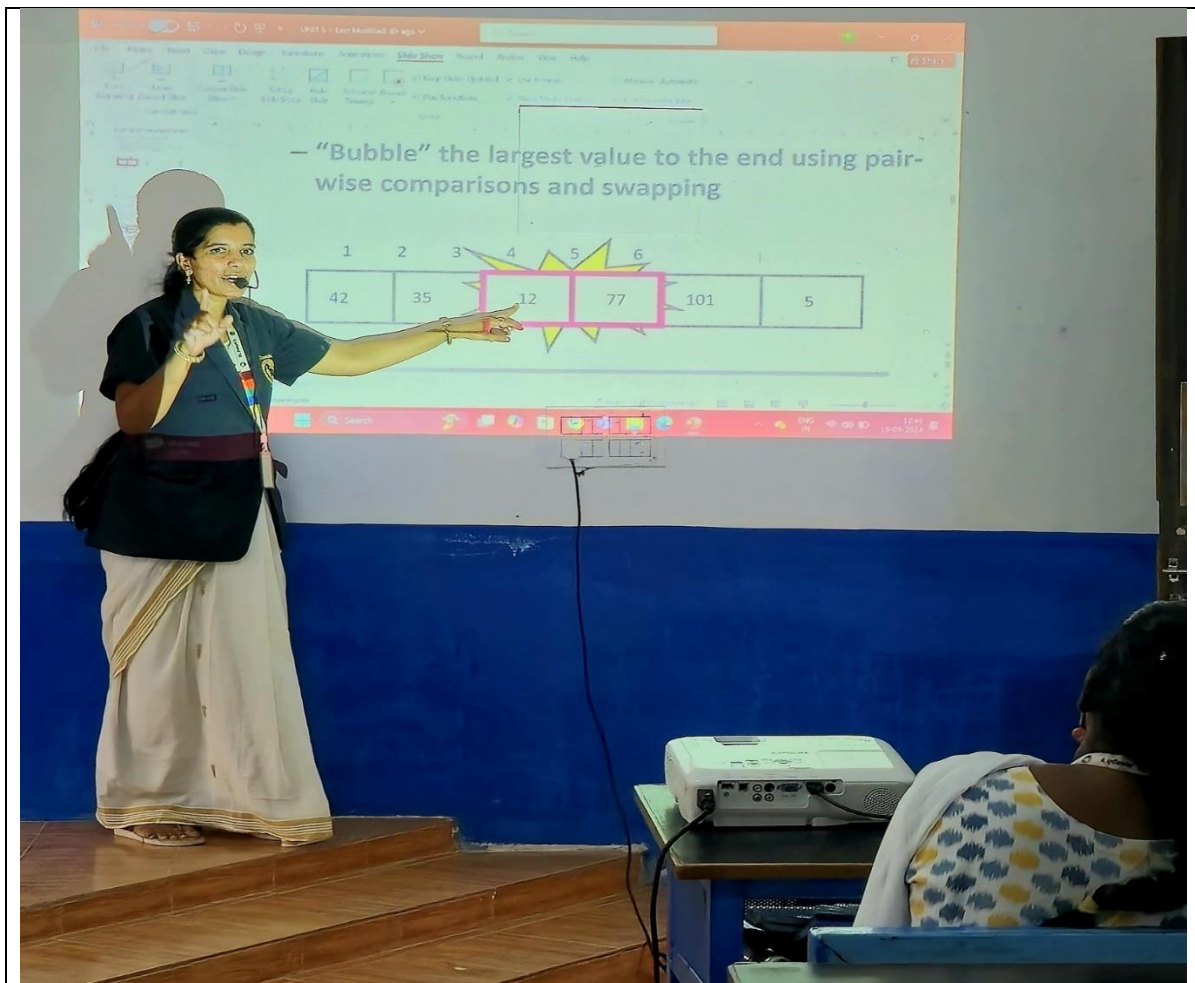


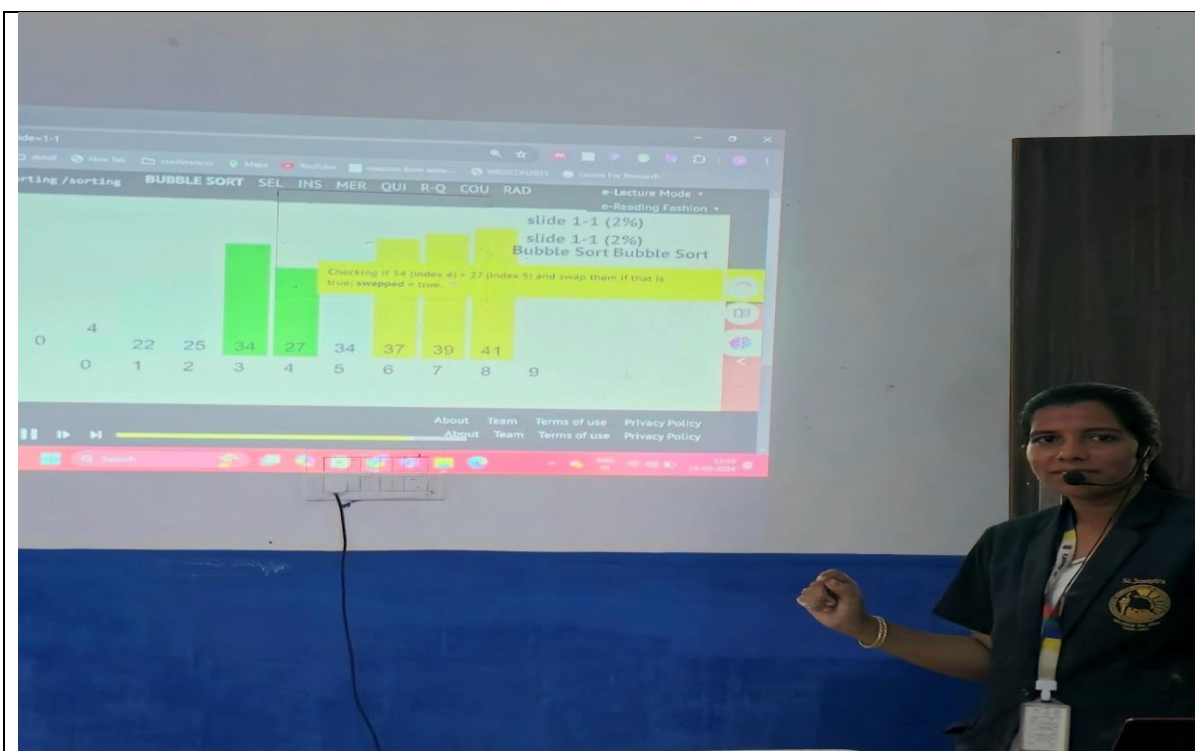
We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR (2024-2025) ODD SEMESTER

INNOVATIVE TEACHING

Name of Pedagogy Used:	<u>VISUAL TEACHING MODEL</u>
Branch/Year/Sem/Sec:	<u>CSE/II YEAR/III SEM/A&B SECTION</u>
Subject Code/Subject Name:	CS4301/ DATA STRUCTURES AND ALGORITHMS I
Topic:	SORTING TECHNIQUES
Date/Period/Timing	<u>19.09.2024 & 9.40 AM TO 11.00 AM (B SEC)</u> <u>20.09.2024 & 7.50 AM TO 9.30 AM (A SEC)</u>
Objective	To understand the sorting and searching Algorithms (CO3)
Description	Visual teaching models can help students learn by presenting information visually, such as with charts, graphs, diagrams, and maps. Data visualization of sorting algorithms involves using animations and graphical representations to illustrate how different sorting algorithms operate on data sets. This allows students to see the effectiveness of various algorithms in sorting from different starting points and to understand their best- and worst-case scenarios. Visualization tools often provide the ability to experiment with these algorithms by adjusting parameters and observing outcomes.





Students Feedback

312423104109: Learning sorting techniques visually through this learning method was very helpful for me. I could clearly see how each step of the sorting process worked. It also showed the algorithm for each technique, which made it easy to understand the logic behind it. Overall, it made learning simple and clear.

312423104032: This learning method is super and useful, ma'am, for understanding sorting concepts. The visualizations are clear and easy to follow.

Total No. of Students

61

No. of Students Present

59

No: of Students Absent

2

Action Plan for Absentees

Planned to provide the study material and practicing website link to the absentees for self-learning and clarify the doubts thereafter.

PRACTICE SESSION PROOF:




Faculty In-charge


HOD/CSE