



KESHAV MEMORIAL INSTITUTE OF COMMERCE & SCIENCES

Affiliated to Osmania University, NAAC Accredited Narayanaguda , Hyd

A Unit of Keshav Memorial Educational Society

Report on

Guest Lecture

Session Details

Title of the session: Sorting Techniques in Data Structures Using C++

Date: 04/08/2025

Duration: 1 hour

Activity Category: IIC Calendar/MIC Driven/Self Driven/Celebration

Theme: To gain the knowledge sorting techniques

Venue: MBA Seminar Hall

Organised by: Keshav Memorial Institute of Commerce and Sciences, Department of Computer

Science

Budget: 2000

Expert/Speaker Details:

Name: Mr. Addagatla Govardhan

Designation: Assistant Professor of Computer Science

Organization: Bankatlal Badruka College for Information Technology (BBCIT)

Brief about Expert/Speaker: Mr.Addagatla Govardhan, Assistant professor at BBCIT, Hyderabad. He is a dedicated academician currently pursuing a Ph.D in AI-based sustainable groundwater recharge. He is also a passionate natural farmer, motivational speaker, and active Rotarian engaged in various community service initiatives.

Outcome/Report of the activity:

The guest lecture by Mr. Addagatla Govardhan on "Sorting Techniques in Data Structures" focused on enhancing students' foundational understanding of sorting algorithms. The session provided a detailed explanation of Bubble Sort, covering its logic, implementation, step-by-step execution, and time complexity. Mr. Govardhan used simple examples to clearly demonstrate how Bubble Sort works, helping students understand its inner workings effectively. In addition to Bubble Sort, he gave a brief introduction to other sorting techniques such as Selection Sort, Insertion Sort, Merge Sort, and Quick Sort, highlighting their basic ideas and comparative efficiencies. The session helped students gain conceptual clarity, particularly on how sorting plays a critical role in organizing and processing data. Students found the lecture informative and beginner-friendly, especially those new to algorithm analysis. The lecture successfully laid the groundwork for deeper exploration of advanced sorting techniques in future sessions.

Key Highlights:

Introduction to Sorting

- Importance of sorting in computer science
- Real-world applications

Classification of Sorting Algorithms

• Internal vs. External sorting

Overview of Major Sorting Techniques

- Simple algorithms: Bubble Sort, Selection Sort, Insertion Sort
- Efficient algorithms: Merge Sort, Quick Sort, Heap Sort

Participant details:

Total no. of Student participation: **162** (BSc II Year (MPCs & MSCs))

Total no. of Staff (Teaching/Non-teaching) participation: 6









• Attendance details /Participants List (photo)(Word format provided)

Class	Year	No. of Students
BSC(MPCs)	II Year	73
BSC(MSCs)	II Year	89

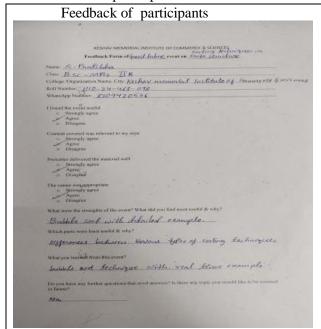
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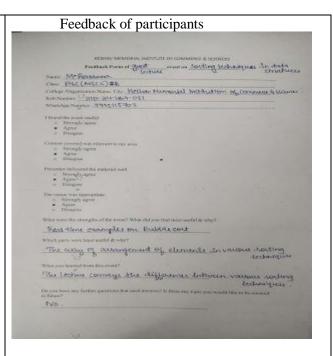


Principal

Coordinator, Dept. of Computer Science

• Feedback of participants





Feedback of participants

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