



Manasa Trust (R.)

Kateel Ashok Pai
Memorial College

ಕಟೀಲ್ ಅಶೋಕ್ ಪೈ
ಸ್ಮಾರಕ ಕಾಲೇಜು

(Affiliated to Kuvempu University and Recognized by the Government of Karnataka)

Department of Bachelor of Computer Applications

Kalpana Science Club

Special Lecture on Data Structures using C

Date: 13-07-2024

Time: 10.00 AM to 11.00 AM

Venue: Bahumukhi Sabhangana, KAPMC,

Resource Person: 1. Mr. Siddesh, Senior Member, Athena Health Pvt. Ltd, Bangalore
2. Ms. Srilakshmi N G, Senior Engineering Professional, Do Minds Design Lab

The Department of Computer Applications organized an insightful **Special Lecture on Data Structures using C** on 13th July 2024, featuring two distinguished industry experts: **Mr. Siddesh** from Athena Health Pvt. Ltd., Bangalore, and **Ms. Srilakshmi N G** from Do Minds Design Lab. The session attracted **92 BCA and MCA students** along with faculty members.

Mr. Siddesh focused on **industry applications of data structures**, demonstrating **Linked Lists, Stacks, Queues, Trees, and Graphs** implementation in C with real-world healthcare scenarios. He emphasized **memory management, time complexity analysis (Big-O notation), and interview coding patterns** used at Athena Health.

Ms. Srilakshmi N G delivered hands-on **coding demonstrations** covering **array operations, dynamic memory allocation, pointer-based implementations, and common data structure interview questions**. Her practical approach included **live debugging sessions** and optimization techniques for C programs.

The joint expertise of industry professionals provided students with **bridge between academics and corporate expectations**. The lecture enhanced **C programming proficiency** and **Data Structures mastery** essential for IT placements.

Vote of thanks acknowledged the resource persons' valuable contributions. The department plans **monthly Data Structures coding workshops** following this successful model.



Sandhya Kaveri

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