KESHAV MEMORIAL INSTITUTE OF COMMERCE & SCIENCES

Affiliated to Osmania University, NAAC Accredited

Narayanaguda , Hyd

A Unit of Keshav Memorial Educational Society

Guest Lecture

Session Details

Title of the session: Programming in C- Language(Structure & Union)

Date: 28/10/2025

Duration: 1 hour

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

Theme: To gain the knowledge User defined Data Types (Structure & Union)

Venue: MBA Seminar Hall

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

Expert/Speaker Details:

Name: Mrs.P.Swapna

Designation: Assistant Professor of Computer Science

Organization: Keshav Memorial Institute of Commerce and Sciences

Brief about Expert/Speaker: Mrs.P.Swapna, Assistant professor of KMICS PG, Hyderabad. She holds an M.Sc. in Computer Science and an MBA, and brings with her over 20years of rich teaching experience. Throughout her career, she has inspired countless students through her dedication, knowledge, and passion for teaching.

Outcome/Report of the activity:

The guest lecture by Mrs.P.Swapna " User defined Data Types (Structure & Union) in Programming in C- Language focused on enhancing students foundational understanding of Data Types. The session provided a detailed explanation of Different Types of Data Types, step-by-step execution, and size of memory allocation. Mrs. P.Swapna used simple examples to clearly demonstrate. The lecture provided a comprehensive understanding of structures and unions in C programming, highlighting their differences and use cases. This knowledge is essential for any aspiring programmer or developer working with C.

Key Highlights:

Introduction to User defined Data Types

- Importance of User defined Data Types in computer science
- Real-world applications

Different Types of User Defined Data Types

- Structure vs. Union
- Primitive Data Types vs. User Defined Data Types

Overview of User Defined Data Types

- **Primitive Data Types:** int, char, float, void
- **Efficient algorithms:** Array, function, pointer, Structure, Union, Enum, Typedef

Participant details:

Total no. of Student participation: **183** (BSc I Year (MPCs & MSCs))

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

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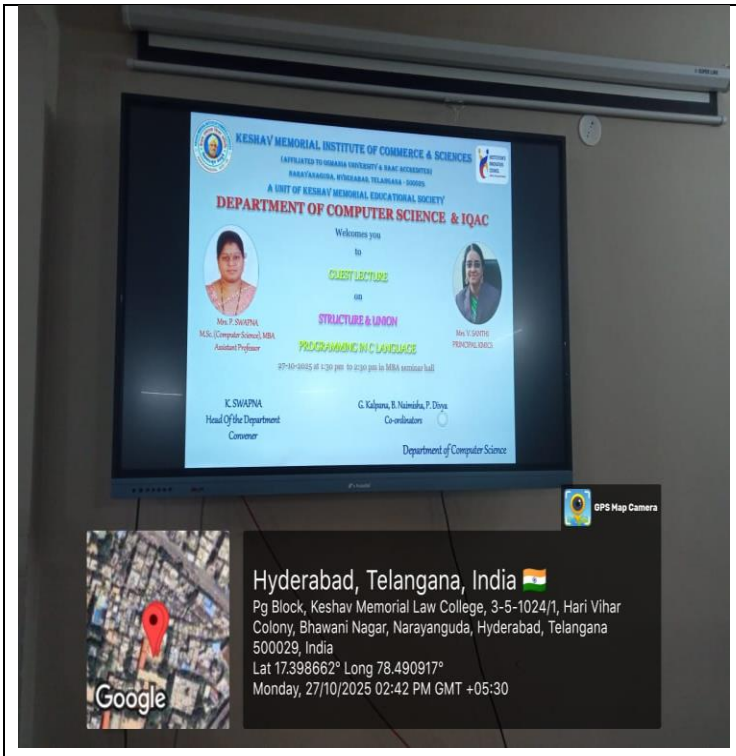
<td> 
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- Attendance details /Participants List (photo)(Word format provided)

Class	Year	No. of Students
BSC(MPCs)	I Year	68
BSC(MSCs)	I Year	115


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Difference between Structure and Union
Structure
Union
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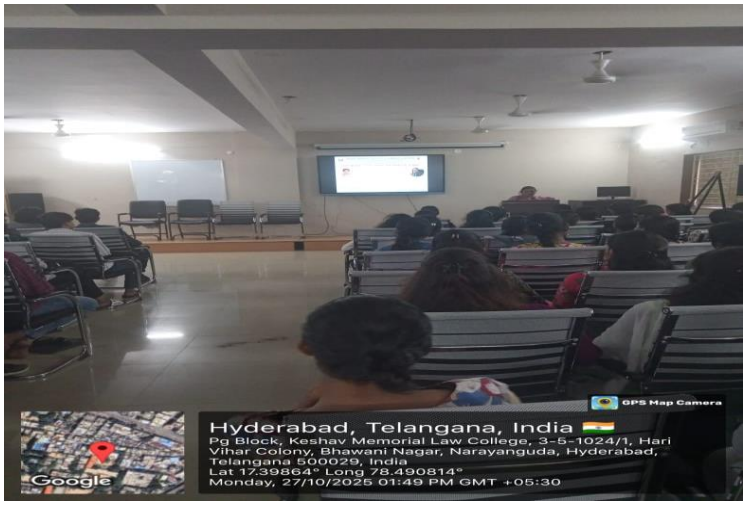
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