Report of Seminar Conducted on Computer Programming

Title: *"Fundamentals and Applications of C Programming"*
Date: April 02, 2025
Venue: Room No. A120, Block-A
Organized by: Department of Computer Science, Faculty of Science & Technology, IUHP
Target Audience: 2nd/3rd Year Students of BCA, MCA & B. Tech. CSE

Introduction:

A seminar on **Computer Programming** was organized on April 01, 2025 with the aim of enhancing students' understanding of programming fundamentals and developing logical thinking using C. The seminar was attended by 100 students and faculty members from the Department of Computer Science, Faculty of Science & Technology, IUHP.

Objective of the Seminar:

- To introduce the basics of C programming language.
- To develop logical and structured thinking in coding.
- To demonstrate the real-time application of C in embedded systems and software development.
- To motivate students to develop simple applications using C.

Speaker Profile:

The seminar was conducted by **Mr. Kapil Verma**, Software Developer at VEE Software Solutions Ltd Company. The speaker has extensive experience in programming languages and software development and has mentored several student projects related to C language.

Key Highlights:

- **Introduction to C:** History, importance, and features of C programming.
- **Basic Syntax & Structure:** Data types, variables, operators, and control statements.
- **Functions & Arrays:** Explanation of modular programming, recursion, and memory handling.
- **Pointers & Memory Management:** Practical examples and usage in real-time systems.
- **File Handling in C:** Creating, reading, and writing data into files.
- **Live Coding Session:** Small programs demonstrated and explained to the audience.
- **Q&A Session:** Interactive discussion where students clarified their doubts.

Student Participation:

Students actively participated throughout the seminar, especially during the live coding and Q&A sessions. Several students volunteered to write and debug simple C programs, showcasing their enthusiasm and curiosity.

Conclusion:

The seminar successfully achieved its objective of introducing C programming to budding engineers. It helped students understand the foundational concepts and sparked interest in further learning and development. Feedback collected from participants indicated a strong appreciation for the content and delivery of the seminar.

Acknowledgment:

We extend our heartfelt gratitude to Mr. Kapil Verma, the organizing team, and the faculty members for their support and guidance. Special thanks to Department of Computer Science & Engineering for coordinating the event successfully.

Some Glimpses of the Seminar