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RV Institute of Technology and Management®
Sy. No. 171/5, Kothanur, 8th Phase, JP Nagar,
Bengaluru - 560076, Karnataka, India

rvitm@rvei.edu.in
www.rvitm.edu.in
Tel: 080 35095100
080 35095102
080 35095103

Department of Master of Computer Applications

Event Name	Technical Talk
Topic	Writing Efficient programs
Date	April 20, 2024
Time	12:00 PM to 4:30 PM
Venue	MCA Seminar hall, 6th Floor
Audience	1st Semester Students of MCA
Resource Person	Purushotham B.V, Technical Training Head, Comviva
Coordinators	Dr.ChethanVenkatesh

Professor Purushottam B.V's talk on "Writing Efficient Programs" was highly appreciated by the students who attended . His thoughts, ideas, and techniques to achieve good results were the main focus of this discussion. He emphasized the importance of clear guidelines for discussing topical subjects and skills throughout the lecture, which had a positive impact on the audience. He also recommended several useful websites that can help students better understand algorithms and calculations.

First Semester MCA students attending the session

Professor Purushottam encouraged students to work together to solve problems, build relationships, and support each other as they learn. By sharing his own experiences, he motivated the students, whether they were starting from scratch or at an intermediate level, to pursue programming and succeed. His journey from a beginner coder to a professional coder serves as an inspiring example for students.

He emphasized the importance of understanding algorithms as the foundation for effective programming. He explained how designing algorithms can increase efficiency and reduce computation time. Students were encouraged to practice designing and analyzing algorithms to gain a deeper understanding of their impact on performance.

Speaker interacting with the audience

Prof. Purushottam explained the role of loops in the efficient recycling process. He illustrated different types of loops, such as for loops and while loops, and provided examples of how to use them in various operations. Control statements, such as if-else conditions and conditional variables, were also covered, highlighting their importance in controlling the flow based on different conditions.

He added that programs must be written to not only work correctly but also be efficient. He described many techniques for optimizing code, such as minimizing the use of nested loops, using appropriate data structures, and avoiding unnecessary recalculations. Students were encouraged to consider the efficiency of their solutions and strive for optimal results.

Prof. Purushottam provided an overview of popular programming languages such as Python, Java, C++, and JavaScript, highlighting their unique features and common uses. He encouraged students to explore different languages and understand their strengths and weaknesses so they could choose the right tools for the job.

Resource Person Introduction

He advised students to focus on writing code that is not only accurate but also maintainable and measurable. He taught best practices for writing clear, readable code, such as using meaningful variable names, writing modular functions, and documenting the code effectively.

His emphasis on collaboration, understanding algorithms, mastering loops and control statements, focusing on efficiency, and exploring various programming languages created a solid foundation for students' career journeys. His personal anecdotes and practical advice made the sessions engaging and stimulating, providing students with the motivation to improve their coding skills and pursue practical goals that would serve them well in their studies.

Faculty and students in the session

Resource Person Felicitation by HoD

THANK YOU FOR SHARING YOUR KNOWELDEGE WITH US …