MARATHWADA MITRA MANDAL'S
COLLEGE OF COMMERCE
Affiliated to Savitribai Phule Pune University, Re-Accredited by NAAC with "A" Grade
ISO 9001:2015 Certified, Awarded as Best College by Savitribai Phule Pune University
202/A, Deccan Gymkhana, Pune – 411004
principal@mmcc.edu.in, enquiry@mmcc.edu.in, www.mmcc.edu.in

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Department of Computer Science
Report on Guest Session on
'Recent Trends and Technologies in Computer Science'

Introduction

A Guest Session on Recent Trends and Technologies in Computer Science was delivered by Amit Mujumdar, Product Owner, Amdocs, offering a comprehensive insight into the evolving landscape of the tech industry. A guest session on "Recent Trends and Technologies in Computer Science" was conducted for students, with 92 participants. The session aimed to provide insights into the latest developments and advancements in the field of computer science.
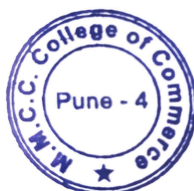
Objectives

- To explore the latest trends and technological developments in Computer Science.
- To highlight the real-world applications of AI, ML, Cloud, and Quantum Computing.
- To provide insights into the challenges and career opportunities in the Indian tech ecosystem.
- To inform students and professionals about key skills needed to succeed in the modern digital landscape.
- To stress the importance of cybersecurity and data integrity in today's connected world.

Highlights:

The lecture began with the role of management companies in driving innovation and efficiency in the tech industry. He emphasized the rising demand for Artificial Intelligence (AI) and Machine Learning (ML), noting their transformative impact across sectors. Key skills such as technical expertise, adaptability, and creativity were highlighted as essential for success in the digital age. The implementation of Software as a Service (SaaS) was discussed, along with its benefits and integration challenges.

The adoption of cloud computing was presented as critical for scalability and flexibility, while issues like data duplication and their effect on banking processes were noted as areas needing better data management. Generative AI was recognized for its potential in automation and content creation. The integration of cloud and edge computing was addressed, showcasing how they support speed and real-time processing.

Other highlights included the development of autonomous vehicles, the growing importance of cybersecurity and business continuity, and the roles of proxies and firewalls in network protection. The session also introduced quantum computing as a revolutionary technology and concluded with insights on India's opportunities and challenges in achieving global tech leadership. Additionally, a valuable segment on career counseling and guidance provided students with direction on navigating the evolving tech landscape, aligning their skills and goals with industry demands.

Mr. Amit Mujumdar conducting session on session on Recent Trends and Technologies in Computer Science

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Students Interacting with the guest

Outcomes

- Participants gained updated knowledge on cutting-edge technologies in Computer Science.
- The session encouraged the development of critical skills necessary for thriving in the evolving tech industry.
- A better understanding of industry trends, including AI, SaaS, Cloud, and Quantum Computing, was achieved.

- Students were motivated to align their learning with future technological demands.
- Awareness was created about the strategic importance of cybersecurity and efficient data management

Prof. Dr. Swapna Kolhatkar   Dr. Ganesh Patare
Head,B.Sc.(Computer Science)   Principal(I/C)