



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
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Department of Computer Science

Report on Guest Session on Research Methodology

Introduction

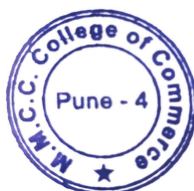
The Department of Computer Science at Marathwada Mitra Mandal's College of Commerce organized an insightful session on Research Methodology for the students of S.Y.B.Sc. (Computer Science) on 28th August 2025 by Dr. Shilpa Kabra, Assistant Professor at Marathwada Mitra Mandal's College of Commerce,. The session was conducted to strengthen the research aptitude and analytical thinking among undergraduate students. Dr. Shilpa Kabra, with her extensive academic experience and subject knowledge, provided valuable insights into the core aspects of research methodology relevant to computer science.

Objectives

- To introduce the concept and importance of research in academic and professional fields.
- To familiarize students with various research methodologies, tools, and techniques.
- To develop critical thinking and problem-solving abilities through research-based learning.
- To guide students in identifying suitable research topics and formulating research questions.
- To encourage students to pursue research projects.

Highlights

Dr. Shilpa Kabra began the session by explaining the basic definitions and significance of research, setting a strong foundation for the topic. She elaborated on various types of research methodologies, including qualitative, quantitative, and mixed-method approaches, helping students understand different ways to approach a research problem. The session also covered the key steps in the research process such as problem identification, literature review, hypothesis formulation, data collection, analysis, and interpretation. A practical orientation was provided on how to choose a research topic in computer science, supported by examples from real-world projects to make the concepts more relatable. Dr. Kabra also emphasized the importance of ethical considerations and the need for plagiarism awareness in academic research. Students were introduced to useful research tools and resources like Google Scholar, reference management tools, and basic data analysis software. The session concluded with an interactive Q&A segment, giving students the opportunity to clarify their doubts and engage more deeply with the subject matter.





Dr. Shilpa Kabra , The guest speaker was felicitated by Head of the department.

Outcomes

- Students gained a foundational understanding of research methodology and its relevance to their academic curriculum.
- Increased awareness among students about the scope of research in computer science and related fields.
- Many students expressed interest in undertaking mini-research projects and academic writing assignments.
- The session helped in building confidence among students to pursue higher studies or research-oriented careers.





Students interacting with Dr. Shilpa Kabra during the session



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