

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Report on Workshop on “Ideate. Innovate. Inspire: Research Paper Writing & Publication Awareness”

#### Introduction

The Department of Computer Science and Engineering (CSE) at ATME College of Engineering, Mysuru, organized an intensive workshop titled “**Ideate. Innovate. Inspire: Research Paper Writing & Publication Awareness**” on **5th November 2025** at the **Seminar Hall, 401**. The program was specially designed for V Semester students to create early awareness about research culture and academic publishing.

In today’s rapidly evolving technological landscape, the ability to conduct research and communicate findings effectively is a vital skill for engineering graduates. This program aimed to bridge the gap between coursework-based learning and research-oriented thinking by providing structured guidance on research paper writing and publication processes.

The event was coordinated by the faculty members of the CSE department, under the guidance of the Principal, **Dr. Basavaraj L**, with active support from **Dr. Puttegowda D**, HOD, Department of CSE.

#### Objectives of the Program

The key objectives of the program were:

- To introduce students to the concept and importance of **research in engineering**
- To help students understand **what constitutes a good research paper**
- To familiarize students with the **structure and components of a research paper**
- To create awareness about **journals, conferences, and publication ethics**
- To motivate students to pursue **research, innovation, and higher studies**

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### About the Resource Person

The session was delivered by **Dr. Shilpa B L**, Associate Professor, Department of Computer Science & Engineering, ATME College of Engineering, Mysuru. Dr. Shilpa has over 14 years of teaching and 2 years of industry experience and has published extensively in national and international journals and conferences. Her research interests include Big Data, Predictive Analytics, Data Mining, and Natural Language Processing.

Her expertise and experience in research and publication added significant value to the program and inspired students to explore research opportunities.

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### Session Overview

The program focused on providing a comprehensive overview of research paper writing and publication. The session was interactive and structured to ensure that students could easily understand the research process, even at the undergraduate level.

Topics were explained with practical examples and real-time insights from the resource person's own research experience.

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### Understanding Research Papers

Students were introduced to the concept of a research paper as a formal document that communicates original findings, innovative ideas, or technical solutions. The session emphasized how research papers act as a bridge between academic learning and real-world problem-solving.

Different **types of research papers** were discussed, including:

- Review Papers
  - Technical / Experimental Papers
  - Survey Papers
  - Case Studies
  - Short Communications
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### Steps in Research Paper Writing

The session outlined the systematic steps involved in writing a research paper:

1. Selection of a suitable research topic
2. Conducting a thorough literature review
3. Identifying research gaps and defining objectives
4. Designing methodology and experiments
5. Data collection and analysis
6. Interpretation of results
7. Writing, formatting, and submission of the paper

This structured approach helped students understand that research is a planned and disciplined activity.

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### Choosing a Research Topic and Literature Review

Guidance was provided on selecting appropriate research topics aligned with student interests and current technology trends. Students were advised to choose feasible topics that address real-world problems.

The importance of literature review was highlighted, with emphasis on exploring reputed databases such as IEEE, Springer, and ScienceDirect to understand existing work and identify research gaps.

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### Structure of a Research Paper

The standard structure of a research paper was explained in detail:

- Title and Abstract
- Keywords
- Introduction
- Literature Review

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- Methodology
- Results and Discussion
- Conclusion and Future Work
- References

Students were introduced to standard templates such as IEEE and Elsevier formats.

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### Writing Tips and Ethical Practices

The session emphasized best practices in academic writing, including clarity, conciseness, and proper citation. Ethical considerations such as avoiding plagiarism, correct authorship, and acknowledgement of sources were discussed.

Common mistakes made by beginners, such as weak problem definition and improper formatting, were also addressed.

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### Journal and Conference Selection

Students were educated on how to select appropriate journals and conferences for publication. Key aspects such as indexing (Scopus, SCI, UGC CARE), publisher reputation, and scope matching were explained. The session also warned students against predatory journals.

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### Publication Process

The publication lifecycle was explained step-by-step:

1. Paper submission
2. Editorial screening
3. Peer review process
4. Revisions and resubmission
5. Acceptance and publication

This helped students understand the importance of patience and perseverance in research.

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### Tools for Researchers

Various tools useful for researchers were introduced, including:

- Reference management tools such as Mendeley and Zotero
- Plagiarism checking tools like Turnitin and Grammarly
- Writing and formatting tools such as MS Word templates and Overleaf
- Citation tools using Google Scholar and BibTeX

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### Student Interaction and Feedback

The session was interactive, with students actively participating by asking questions related to topic selection, publication timelines, and research career opportunities. The feedback from students was highly positive, and many expressed interest in publishing papers during their undergraduate studies.

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### Outcomes and Impact

The program successfully created awareness about research paper writing and publication among V Semester students. The key outcomes included:

- Improved understanding of research methodology
- Increased interest in academic research and innovation
- Early preparation for project work and higher studies
- Enhanced confidence in technical writing

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### Conclusion

The **Research Paper Writing & Publication Awareness Program** was successfully conducted and met its objectives. The session motivated students to view research as an integral part of their academic and professional growth.



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The Department of CSE expressed its gratitude to:

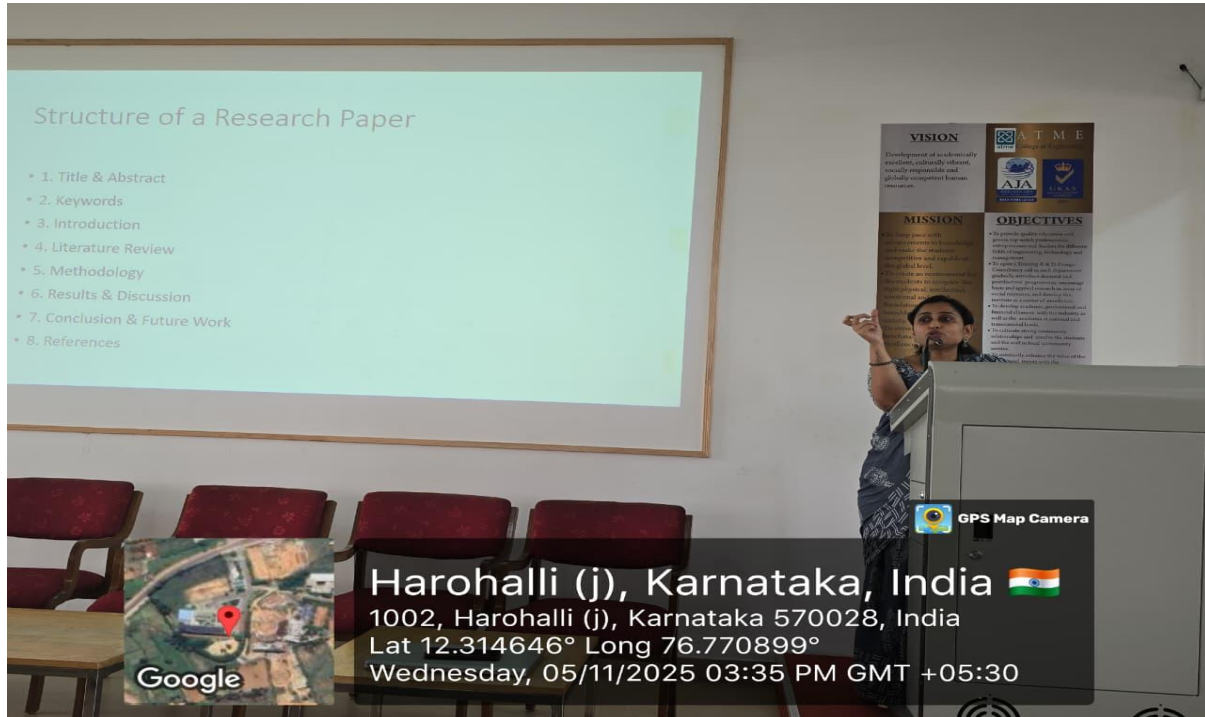
- The resource person, **Dr. Shilpa B L**,
- The Principal, **Dr. L. Basavaraj**,
- The Convenor, **Dr. Puttegowda D**,
- Faculty members and participants

for their effort, involvement, and support in making the workshop engaging and impactful.

PO Addressed	PSO Addressed
PO1, PO2, PO3, PO5, PO9, PO10	PSO1

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Glimpse of the workshop:





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