



**SILVER OAK
UNIVERSITY**
EDUCATION TO INNOVATION



IEEE

Silver Oak University
IEEE Student Branch



**IEEE
COMPUTER
SOCIETY**
Silver Oak University
Student Branch Chapter

A REPORT ON
Research 101: Introduction to Research Paper

Date: 09th September 2025

Venue: EA-820, E-Block, Silver Oak University

RESEARCH 101

➤ INTRODUCTION TO RESEARCH PAPER



Introduction:

“Research 101: Introduction to Research Paper” was organised by **Silver Oak University IEEE Student Branch, Silver Oak University IEEE Women in Engineering Student Branch Affinity Group** and **Silver Oak University IEEE Computer Society Student Branch Chapter** to guide students in the early stages of research. The session covered key aspects such as taking the first steps, understanding the research process and structuring a paper. Its goal was to provide a clear roadmap that empowers students to confidently begin their own research projects.

About the speaker:

The session was led by **Mr. Abhay Pisharodi**, Advisor, Silver Oak University IEEE Student Branch and pursuing his M. Tech in Artificial Intelligence at IIT Gandhinagar

About the session:

Date: 09th September 2025

Time: 01:00 P.M. - 02:30 P.M.

Venue: EA-820, E-Block, Silver Oak University

Participants: 38

The session was expertly commenced by Mr. Abhay Pisharodi, which introduced students to the essentials of research, starting with basics of what research is and how anyone can get started. He highlighted research as a process of discovery and innovation, collecting new information, building on existing work and identifying gaps in previous studies to propose fresh solutions. For newcomers, the session provided a clear roadmap to begin their research journey. Participants also learned how to find reliable sources, structure a research paper and write key sections like Abstract and Introduction.

The speaker highlighted that the first step in research is reading published papers, especially Abstracts and Introductions, to quickly grasp key ideas. This helps in identifying interesting topics, often connected to real-life situations. He encouraged students to observe day-to-day problems and brainstorm solutions, as these can lead to impactful research ideas. To make research meaningful, he stressed defining clear objectives and information needs, followed by studying multiple papers and sources to gain deeper understanding.

The session further explained the structure of a research paper. It begins with an Abstract, providing a brief summary of the entire paper, followed by the Introduction, which explains the problem and the findings. The Related Work section discusses existing research on the topic. This is followed by Methodology, Evaluation and Results. Finally, the paper should include Future Work and Limitations, a Conclusion and a list of all References used.

The session guided students in writing two important sections of a research paper, the Abstract and the Introduction. It explained how to present the context, purpose, methods, findings and significance. Later, Dr. Satvik Khara also shared valuable insights on conducting effective research. The session included interactive activities to spark interest and a Q&A segment where participants clarified doubts and gained practical tips for starting their own research.

Conclusion:

This session on research paper provided students with a clear roadmap for their research journey, from idea generation to writing a research paper. Using real-life examples, interactive discussions and hands-on activities, participants gained practical insights and guidance. Students left the session feeling motivated and equipped to pursue their research initiatives.

SDG Impact: The session aligned with

- **SDG 4: Quality Education** – by building research and academic writing skills.
- **SDG 5: Gender Equality** – by empowering women in research and promoting inclusive participation through IEEE WIE involvement.
- **SDG 9: Industry, Innovation & Infrastructure** – by fostering innovation through structured problem-solving.

IEEE Goals and Vision Achieved: The session reflected IEEE's vision of "Advancing Technology for Humanity". It achieved IEEE goals by

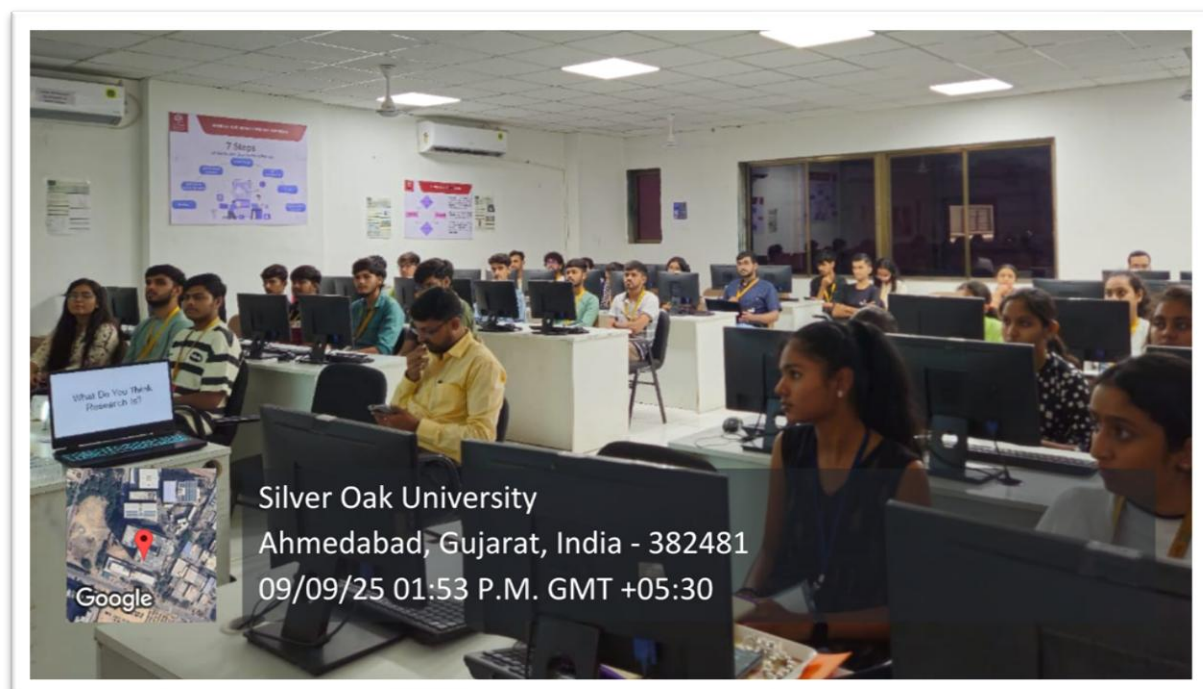
- Promoting lifelong learning and skill development in research and academic writing.
- Encouraging innovation through identifying real-world problems as research opportunities.
- Encouraging inclusivity and collaboration with active involvement of IEEE WIE SB AG and CS SBC.
- Strengthening professional networks by connecting students with mentors and experts in research.

The success of this session was made possible by the guidance and support of Dr. Satvik Khara, Dean, College of Technology, Silver Oak University; IEEE Senior Member; Chairperson, Technical Activity, Computer Society, IEEE Gujarat Section; Founding Member, Silver Oak University IEEE Student Branch. His visionary leadership and unwavering support played a pivotal role in the success of the session, fostering an environment of learning and innovation.

Some glimpses of the session:



The speaker guiding participants through an interactive activity



Participants engaging in activity designed to practice research concepts



Dr. Satvik Khara sharing his valuable insights with the participants



Dr. Satvik Khara honouring Mr. Abhay Pisharodi for sharing his valuable insights