

Report on Literature Review Session: Research and Innovation Culture at S.P.B. Patel Engineering College

Introduction:

S.P.B. Patel Engineering College cultivates a culture of research and innovation, particularly in Design Engineering. As part of this initiative, students are encouraged to publish review and research papers during their final phase of Design Engineering in the 6th semester. This report highlights a session conducted by the Design Engineering faculty team on literature review and its importance in the research process.

Objectives:

1. Instill research skills among students.
2. Encourage students to publish quality papers.
3. Familiarize students with research methodology.
4. Equip students with essential tools for paper writing and presentation.

Initiative:

1. Special Session on Literature Review:

- Date: 14th March 2023
- Facilitator: Kunal Sinh Kathiya
- Participants: 65 students from the 6th semester

Session Overview:

The session on literature review aimed to familiarize students with the significance of literature review in the research process and provide them with practical guidance on conducting effective literature reviews.

Key Topics Covered:

1. **Importance of Literature Review:** The session began with an overview of the role of literature review in research, emphasizing its significance in identifying gaps in existing knowledge and informing the research direction.
2. **Conducting Literature Review:** Students were guided through the process of conducting a literature review, including defining research questions, searching for relevant literature, critically analyzing sources, and synthesizing findings.
3. **Tools and Resources:** The session introduced students to various tools and resources available for conducting literature reviews, including academic databases, citation management software, and search strategies.
4. **Best Practices:** Practical tips and best practices for conducting a comprehensive and effective literature review were shared, including maintaining organized notes, documenting search strategies, and critically evaluating sources.

Outcomes:

The literature review session provided students with valuable insights and practical skills essential for conducting high-quality research. Participants gained a deeper understanding of the research process and acquired tools and techniques to enhance the quality and effectiveness of their literature reviews.

Conclusion:

The session on literature review contributed to fostering a research-oriented mindset among students and equipped them with essential skills for academic and professional success. By empowering students with the knowledge and tools necessary for conducting rigorous literature reviews, S.P.B. Patel Engineering College continues to nurture a culture of research and innovation, preparing students to excel in the field of Design Engineering and beyond.

Photographs:



