



Department of Biomedical Engineering

Government Polytechnic for Girls, Ahmedabad

Opp. PRL, Near L. D. College of Engineering, Navrangpura-380015
Email: biomed03gpg@gmail.com



Date: 28-07-2025

Report on expert talk

"Introduction to biomedical Engineering and recent trends"

<u>Particulars</u>	<u>Details</u>
Name of Institute	Government Polytechnic for Girls, Ahmedabad
Name of Event	"Introduction to biomedical Engineering and recent trends"
Types of Events	Expert Talk
Start date of Event	28/07/2025
Time	11:00 AM onwards
Name of Expert	Ms. Kavya Patel
Nature of Participation in Event	Students only
Number of Participants in Event	34
Venue	New Building Room no. 106
Mode of advertisement of event	Notice Board, Students Group
Faculty Coordinator	1. Ms. Neelam B Modi 2. Meghana M Patel
Description of Events (150-word limit)	Expert talk "Introduction to biomedical Engineering and recent trends" Subject: Summary and Acknowledgment of Expert Talk on "Introduction to Biomedical Engineering and Recent Trends" The expert talk on "<i>Introduction to Biomedical Engineering and Recent Trends</i>", organized by the Department of Biomedical Engineering, Government Polytechnic for Girls, Ahmedabad, was conducted with the intent to provide students with exposure to the evolving landscape of Biomedical Engineering. The session aimed to broaden the minds of first-year students by introducing them to innovative technologies in the healthcare system and their practical applications. It served as an eye-opening experience by highlighting how engineering principles and design concepts are applied to medicine and biology—bridging the gap between engineering and clinical practice through the development of medical devices, procedures, and systems that solve real-world medical challenges. This session also supplemented the subject <i>Fundamentals of Biomedical Engineering</i>, offering valuable insights into:



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- **The role of a Biomedical Engineer**
- **Various fields within Biomedical Engineering**
- **Core skills and competencies essential for biomedical engineers**

Students gained a foundational understanding of the interdisciplinary nature of the field and developed an increased interest in how engineering contributes to advancing healthcare solutions.

We sincerely thank the speaker for their valuable time and for delivering such a relevant and impactful session.

- Introduction to Biomedical Engineering
- Measurements and Instrumentation in Healthcare
- Bioelectric Signals and Transducers
- Applications and Future Trends
- Recent advances in Biomedical Instrumentation and Techniques

Students felt that all the topics were very much informative. The students were introduced to recent trends in biomedical engineering. This will in turn help them to think, design, understand and develop innovative technologies in the biomedical field.

Learning Outcomes:

- To understand the crucial role of biomedical engineers to develop new medical technologies, and in improving the quality of healthcare for people around the world.
- The students will understand the recent innovative technologies in the biomedical engineering field.



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In the middle with white and Grey attire is Ms.Kavya Patel



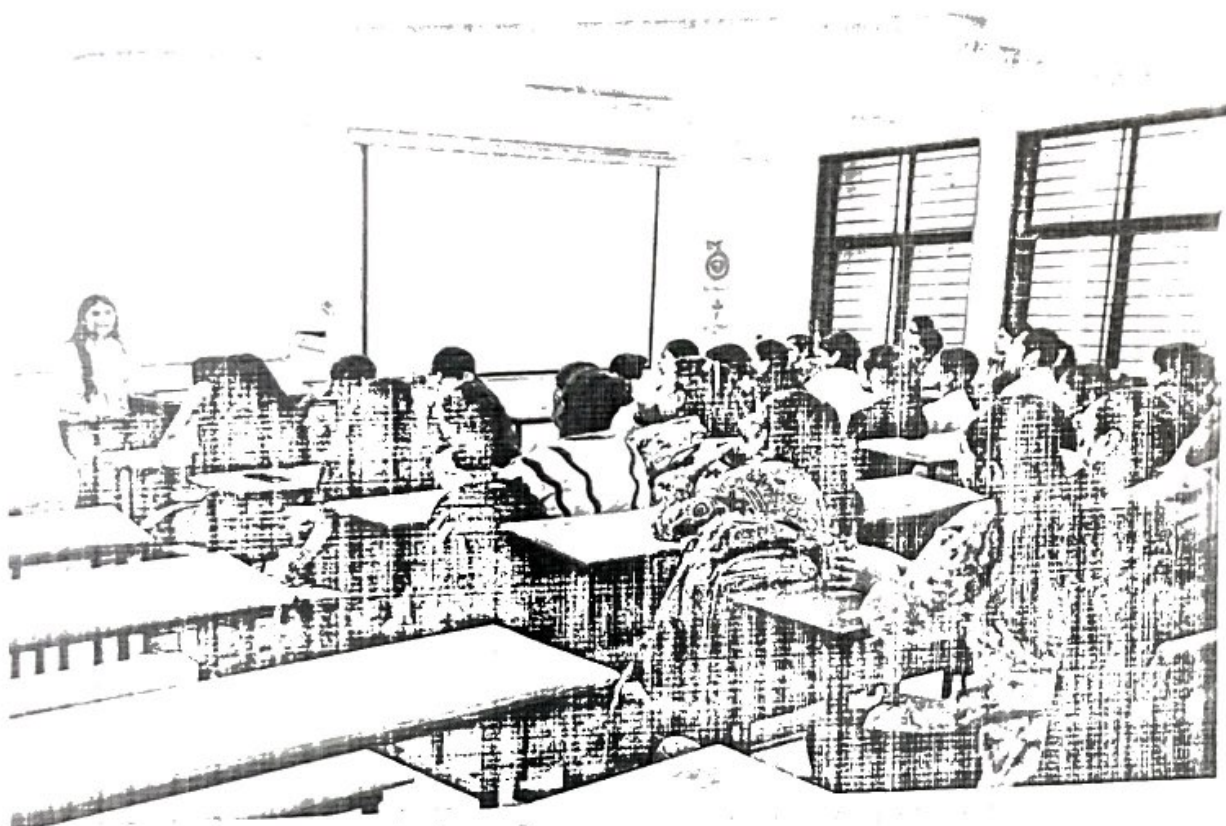
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Head of the Department

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