

TERM-251

(Volume 9 Issue I)

DEPARTMENT OF BIOMEDICAL
ENGINEERING
NBA ACCREDITED 2022-2025

NEWSLETTER

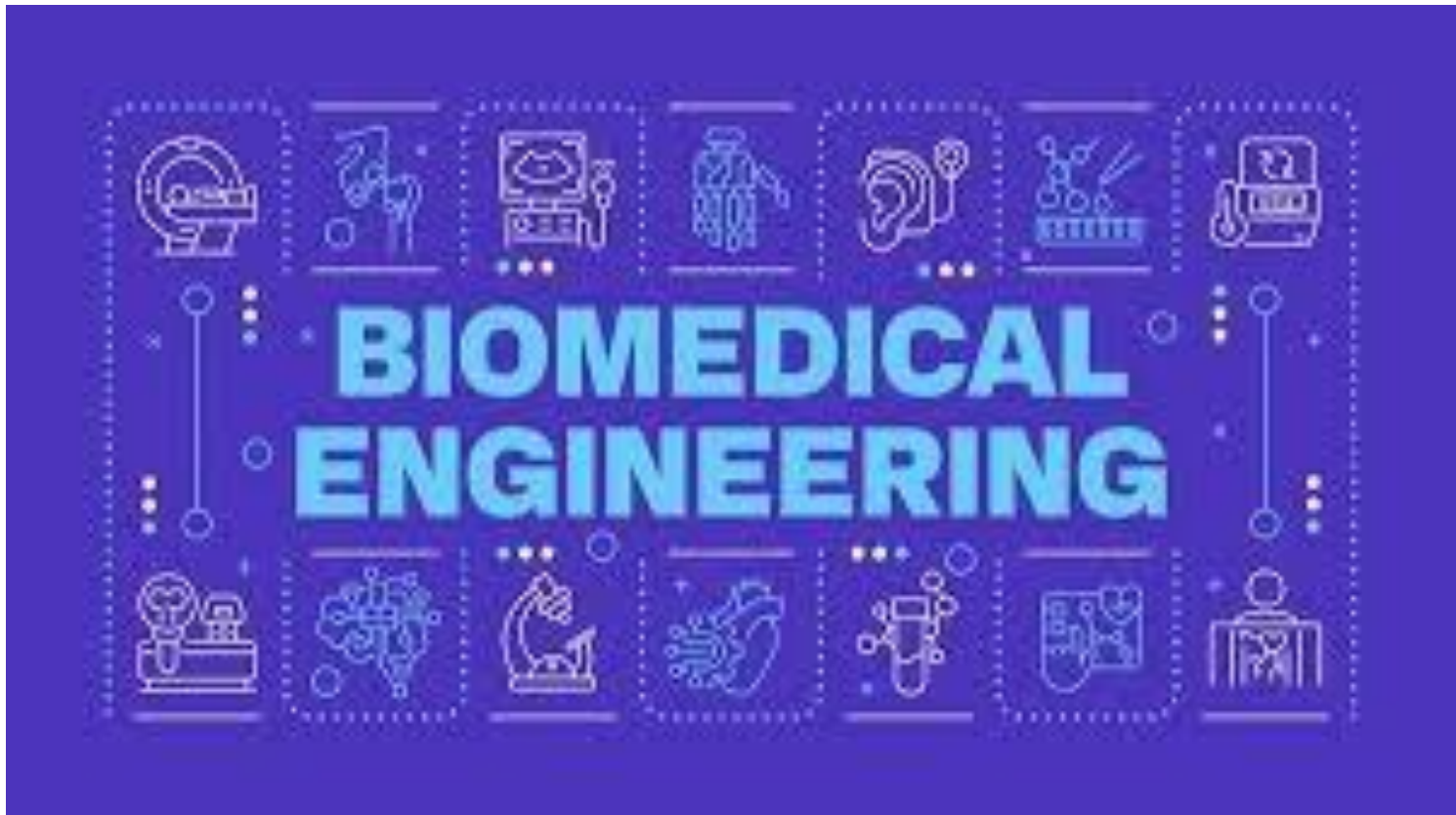


TABLE OF CONTENTS

- 1.HOD'S MESSAGE
- 2.VISION AND MISSION
- 3.DEPARTMENTAL ACTIVITIES
- 4.FACULTY ACHIEVEMENT
- 5.TOP PERFORMERS
- 6.PLACEMENT STATISTICS

HOD'S MESSAGE



VISION OF INSTITUTE

To carve a brighter prospect for the nation through excellence in technical education for fostering skills, ethical values and environmental consciousness among girl students while undertaking existing and forthcoming challenges.

MISSION OF INSTITUTE

- To nurture technical and creative skills through quality education.
- To strengthen industries interaction.
- To impart real life problem solving skills.
- To foster care for sustainability of environment and importance of social responsibility among girl students.

Biomedical Engineering integrates engineering and medical sciences to advance healthcare technology. Our department emphasizes skill-based education, industry interaction, research, innovation, and ethical development. Through seminars, expert talks, workshops, industrial visits, and internships, students gain practical exposure to real healthcare environments. We take pride in our students' and faculty's achievements and look forward to continued progress.

VISION OF DEPARTMENT

"Our vision is to nurture engineers who can comprehend the ethical, social, and economic implications of their work by imparting quality education through integration of engineering and medical sciences for the improvement of human health care."

MISSION OF DEPARTMENT

To create a free and open learning environment that promotes intellectual growth.
To provide skill-based technical education in biomedical engineering.
To develop awareness regarding ethical issues in the medical industry.
To prepare students to face modern medical challenges using engineering

Departmental Activities

An expert talk titled “Engineering a Better Life – Role of Biomedical Engineers in Healthcare” was organized on 8 October 2025.

The session aimed to introduce students to the emerging opportunities and innovations in biomedical engineering. The expert explained how engineering principles are applied to solve healthcare challenges through:

- Medical device development
- Diagnostic equipment
- Healthcare monitoring systems
- Biomedical instrumentation



Introduction to Biomedical Engineering and Recent Trends

Another informative session was organized to introduce students to the recent trends and technological advancements in biomedical engineering.

The objective of the session was to help students understand the rapidly evolving healthcare technology landscape and encourage them to explore innovative solutions for medical challenges.

The lecture emphasized the importance of interdisciplinary knowledge involving:

- Electronics
- Medical sciences
- Instrumentation
- Data analysis



Educational Visitt

As part of the Induction Program for First-Year Diploma Students, the department planned an educational visit to L.D. Museum on 6 August 2025.

The purpose of the visit was to provide students with experiential learning and enhance their understanding of art, culture, and heritage.

The visit included: 30 students, 2 faculty members



Skill Development Programs

To enhance students' professional skills beyond the curriculum, Nandi Skill Foundation courses were conducted for final-year students.

These courses focused on:

Industry-oriented skills
Technical competency
Career readiness

Students successfully completed the courses and received certificates, which will help them in their professional careers.



Internship Programs

As part of the curriculum, students participated in summer internship programs at reputed hospitals and biomedical companies.

These internships helped students gain hands-on experience and exposure to real healthcare environments.

Some of the organizations where students completed internships include:

- ◆ Adventus Meditech India Pvt. Ltd.
- ◆ Various hospitals and healthcare industries Through these internships, students learned about: Medical equipment handling Hospital instrumentation systems
- ◆ Biomedical device maintenance
- ◆ Clinical applications of biomedical technology

Faculty achievement

- Ms. Aarti R. Dalwadi received Gold medal in Masters of Biomedical Engineering.
- Mr. Rakesh D. Motka completed PHD in on neural-network-based blood glucose prediction and published research on optimized LSTM models for Type-1 diabetes management.
- Ms. Meghana M. Patel and Ms. Neelam B. modi completed 3 weeks Industrial Training successfully at Sahjanand Surgical Pvt Ltd Gandhinagar.



Top Performers

Semester	Sr. No.	Enrolment No.	Name	CPI
SEM IV	1	246140303024	PANCHAL PRIYANKA	9.82
	2	246140303006	CHURAKKAT VANSHIKA	9.64
	3	246140303018	NAYAK PRIYANSHI	9.09
SEM VI	1	236140303060	SHAH KHUSHALI	8.46
	2	236140303040	PATEL MAHEFUJA	8.36
	3	236140303003	CHAUDHARI MAHEK	8.31

Placement details for batch 2025

Sr. No.	Enrolment No.	Name	Name of Employer
1	226140303003	DAFDA URMILABEN NANJIBHAI	Doctor & Doctor, Vadodara
2	226140303009	IGDE SHRADDHA BABUBHAI	Proactive health care, Santej, Ahmedabad
3	226140303022	PANCHAL DIYA SANJAYBHAI	Sigma surgical pvt Ltd, Kathwada GIDC, Ahmedabad
4	226140303025	PANDEY AAKANSHAKUMARI VIJAYKUMAR	Proactive health care, Santej, Ahmedabad