

DEPARTMENT OF BIOMEDICAL ENGINEERING

BIOMED

NEWSLETTER

VISION: “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:

- To create a free and open learning environment that fosters the intellectual growth of students.
- To provide skill based technical education.
- To enable students to be sensitive towards the ethical issues of medical industry
- To prepare students for confronting medical challenges by applying engineering principles.

TERM- 232, 2024

Departmental Foreword

It is a matter of great satisfaction to present this edition of the Department Newsletter, reflecting the academic, technical, and co-curricular initiatives undertaken by the department. The publication highlights the achievements and contributions of our students and faculty, demonstrating a strong commitment to quality education and continuous improvement.

The department remains dedicated to fostering innovation, practical learning, and professional development in alignment with current technological advancements. We extend our sincere appreciation to all contributors and stakeholders for their valuable support.

Head of the Department
Dr. Rakesh Motka



If you can imagine it, you can achieve it; if you can dream it, you can become it.
– William Arthur Ward

Students Activity

The department actively encourages student participation in a wide range of academic and co-curricular activities to promote holistic development. Students have been engaged in technical workshops, seminars, poster presentations, and project-based learning, which enhance their practical knowledge and analytical skills.

In addition, participation in competitions, industrial visits, and collaborative group activities has strengthened their teamwork, communication, and problem-solving abilities. These initiatives provide a platform for students to explore innovation, apply theoretical concepts, and prepare for professional challenges.

The department remains committed to creating an engaging and supportive environment that nurtures student talent and fosters continuous learning.



Andhjan Mandal vastrapur

Faculty Achivement

The department takes pride in the consistent academic and professional achievements of its faculty members. Faculty have actively contributed to research and development through publications in reputed journals and participation in conferences.

In addition, faculty members have attended various faculty development programs, workshops, and seminars to enhance their subject knowledge and pedagogical skills. Their involvement in academic planning, curriculum development, and student mentoring reflects a strong commitment to quality education and continuous improvement.

These accomplishments highlight the dedication of the faculty towards academic excellence, innovation, and professional growth.

Name Of Staff	Name Of Training	Organizing Institute	Date		Mode Of Conduction
			From	To	
Ms. Neelam Modi	Industrial training	Sorath ortho (A division of SIGMA	01/07/2024	21/07/2024	Offline
Ms. Meghna M. Patel	Industrial training	Sorath ortho	01/07/2024	21/07/2024	Offline
Ms. Jimisha H. Suthar	Industrial training	Sorath ortho	01/07/2024	21/07/2024	Offline
Dr Rakesh D. Motka	Industrial training	Sorath ortho	01/07/2024	21/07/2024	Offline
Ms. Aarti R. Dalwadi	Industrial training	Sorath ortho	01/07/2024	21/07/2024	Offline

Faculty Upgradation Details (Consider MTECH/PHD))

- Mr. Rakesh D. Motka (persuing Ph.D.)
- Ms. Aarti R. Dalwadi (persuing Ph.D.)

Mr. Rakesh D. Motka presented a research paper titled “Comprehensive Review on Prediction of Blood Glucose Level in Type-I Diabetic Using Machine Learning Techniques” at the International Joint Conference on Advances in Computational Intelligence (IJCACI 2023). The work focuses on analyzing and summarizing recent advancements in machine learning approaches for accurate blood glucose prediction, contributing to improved diabetes management and clinical decision support

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Result Analysis

Semester	Enrollment No.	Name Of Student	SPI	CPI	CGPA
6	216140303010	PANCHAL HELI BHAVESHKUMAR	8.2	7.83	8.19
6	216140303016	SUKHADIYA CHARMI	7.95	7.68	7.93
6	216140303048	PATHAN UMEJAKHANAM	7.6	7.7	7.86

Department Activity



An expert lecture on “Internal Surgical Staplers” was delivered by Ms. Jhanvi Gajjar from Panther Healthcare on 14/02/2024, with active participation from 76 students.

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Department Activity



An orientation drive on the IBM SkillsBuild Program was conducted by the Institute TPO Cell on 27/02/2024, with participation from 52 students.

Department Activity



A motivational lecture on “Start-up Story” was delivered by Mr. Shubham Shah from Edith Healthcare on 05/09/2024, with participation from 90 students.

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Department Activity



An expert lecture on “Introduction to Biomedical Engineering and Recent Trends” was delivered by Ms. Pooja Gohel from L.D. College of Engineering on 29/11/2024, with participation from 30 students.

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Extra-Curricular Activity



The Biomedical Engineering Department organized a Teacher's Day Celebration on 05/09/2023, with participation from 70 students.