



CENTRE FOR CAREER DEVELOPMENT
IIT GUWAHATI

School Placement Brochure.

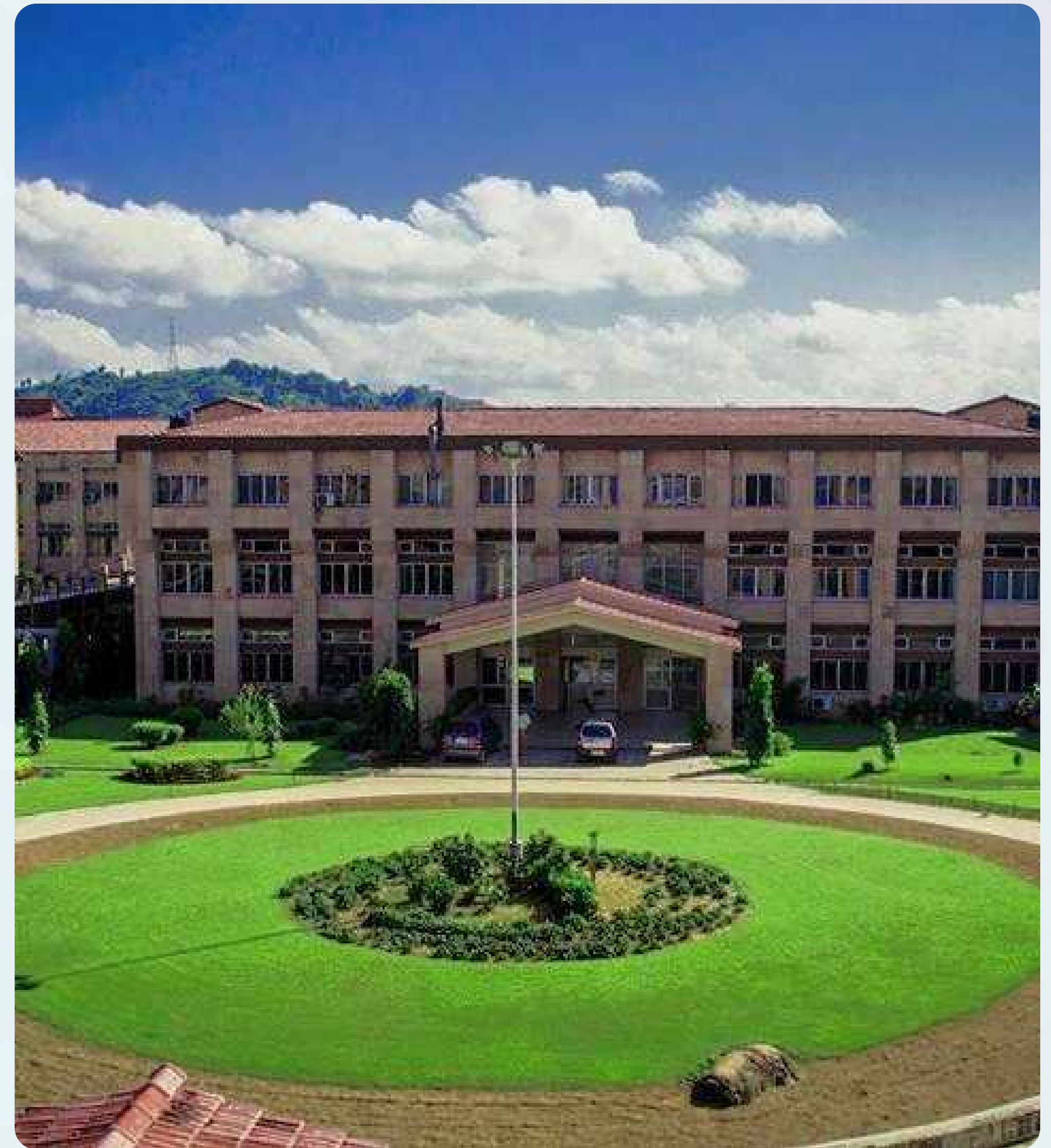
BATCH OF 2026 | Jyoti and Bhupat Mehta School of Health Sciences
and Technology

About IIT Guwahati.

Established in 1994, Indian Institute of Technology Guwahati is the sixth member of the IIT fraternity and one of India's premier institutions for higher education, research, and innovation. Within a short span, the Institute has emerged as a global centre of excellence in science, technology, management, and design. The picturesque campus spans 285 hectares on the northern bank of the Brahmaputra River, approximately 20 km from the heart of Guwahati city. Surrounded by scenic hills and open spaces, it offers a perfect environment for learning, research, and holistic development. IIT Guwahati offers a wide array of academic programmes including B.Tech., B.Des., BSc (Hons), M.Tech., M.Des., M.Sc., MBA, M.A., MS(R) and Ph.D. across 11 departments, 9 interdisciplinary centres, and 5 schools, covering major disciplines in engineering, science, humanities, healthcare, and management.

The Institute has built world-class infrastructure and houses state-of-the-art laboratories and National Centres of Research that support cutting-edge research. Students are encouraged to take up interdisciplinary coursework, pursue minor degrees, and choose from a rich variety of open and interdepartmental electives. IIT Guwahati has signed MoUs with top international universities, facilitating semester exchanges and summer internships, thereby broadening students' global exposure. Our students regularly intern at leading global firms and research institutions, gaining invaluable real-world experience.

Ranked among the top 100 world universities under 50 years by Times Higher Education (THE), IIT Guwahati continues to excel globally. The Institute was ranked 42nd globally in 'Research Citations per Faculty' and 344th overall in QS World University Rankings.



About the School .

The Jyoti and Bhupat Mehta School of Health Sciences and Technology at IIT Guwahati, established in the year 2021, is funded by the Mehta Family Foundation under their initiative to create intellectual talent through global academic collaboration. It aims to train biomedical engineers to take leadership responsibilities in the health sector. The learning here is oriented to gain an interdisciplinary understanding of engineering, bio-chemical science, humanities, and design principles through hands-on experiences. The focus is to bring scientific and technologic innovation to support health science and allied areas. JBMSHST is an important initiative at IIT Guwahati that bridges the gap of highly skilled personnel that exists in these emerging fields.



From the desk of HOS.



The JBMSHST at IIT Guwahati aims to train biomedical engineers to take leadership responsibilities in the health sector. The learning methodologies of the school have been designed to gain understanding on the diverse areas of engineering, biological-chemical science, data analytics, and design principles through hands-on experiences. Thus, the students and scholars graduating from the school are strong in the fundamental areas of PCMB and well-equipped with the basics of electronic-mechanical-bio instrumentations, circuits, devices, bioprocesses, and design principles through hands-on experiences in the laboratories. In the near future, scientists and engineers from all streams, doctors, designers, regulators, entrepreneurs, and policymakers will invent and innovate under this umbrella to inculcate cutting-edge research from this school. The focus here is to build up on the gen-next inventions and innovations that reduce import dependency and make the country self-reliant (Aatmanirbhar Bharat Abhiyan & Make In India).

Prof. Subramani Kanagaraj

Head of School

From School Faculty Representative.



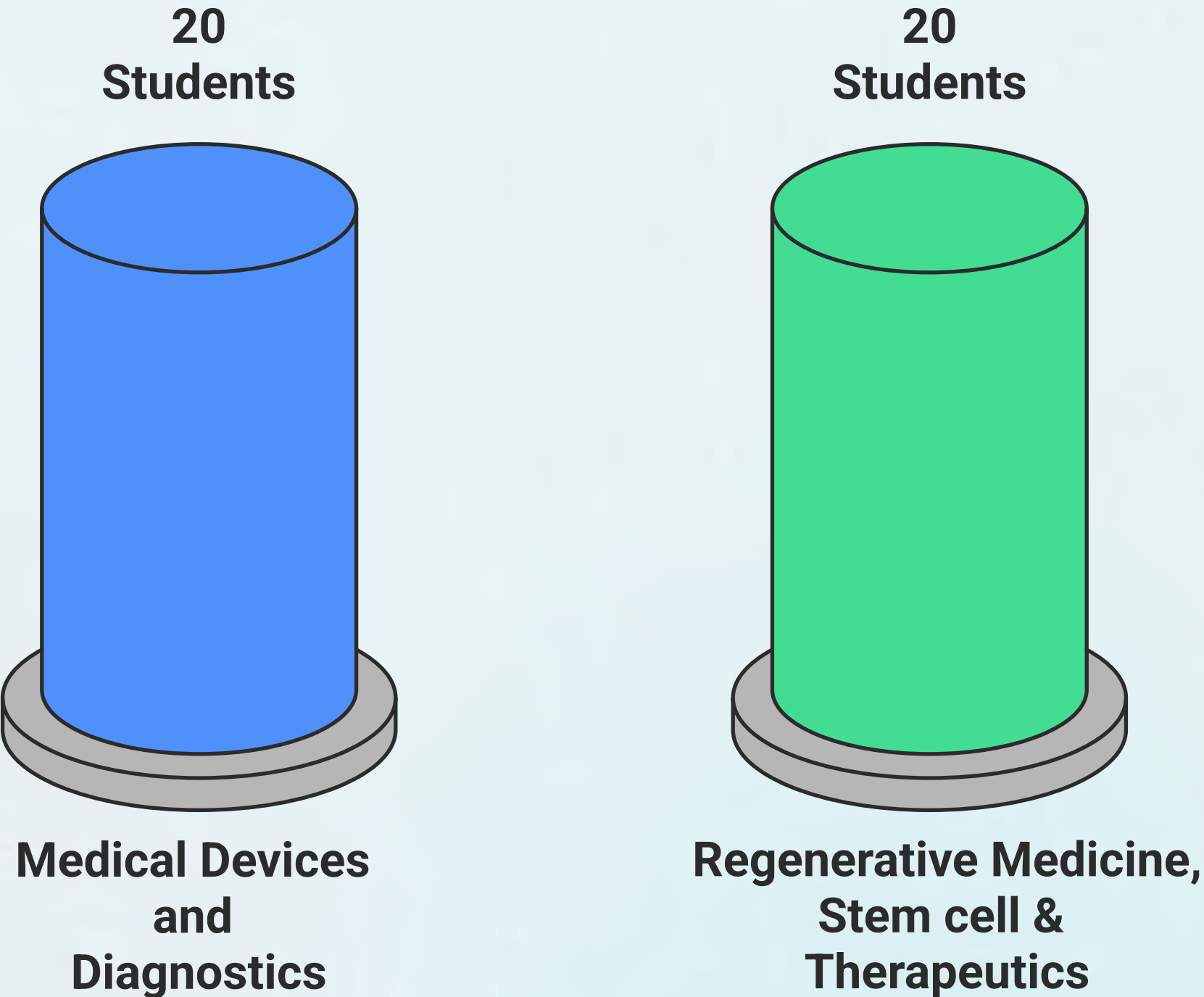
We at JBMSHST strongly believe in the values of continuous learning, determination, discipline, and a result-driven, goal-oriented approach. Our students are among the brightest young minds, driven by innovation and committed to their professional and social responsibilities. They are equipped with strong leadership, team-building, and adaptability skills, preparing them to meet the dynamic needs of the corporate world. Our academic framework blends rigorous classroom learning with industry and technology exposure. We regularly invite distinguished speakers from academia, startups, and industry to provide our students with holistic perspectives, enabling them to build a strong foundation for successful careers. Students from diverse backgrounds such as Mechanical, Electrical, Electronics, Biotechnology, and Pharmacy undergo continuous evaluation and real-world case studies to sharpen their analytical abilities and develop problem-solving skills.

Biomedical engineering is rapidly advancing in India, and the recruitment success of our last two batches reflects the trust leading corporates place in our students. As the Department Faculty Representative, I assure our unwavering commitment to nurturing future organizational leaders who will excel not only as innovators but as responsible citizens. We deeply appreciate the continued support of industry partners and look forward to strengthening these collaborative relationships. For any support or collaboration, we welcome you to connect with our department directly.

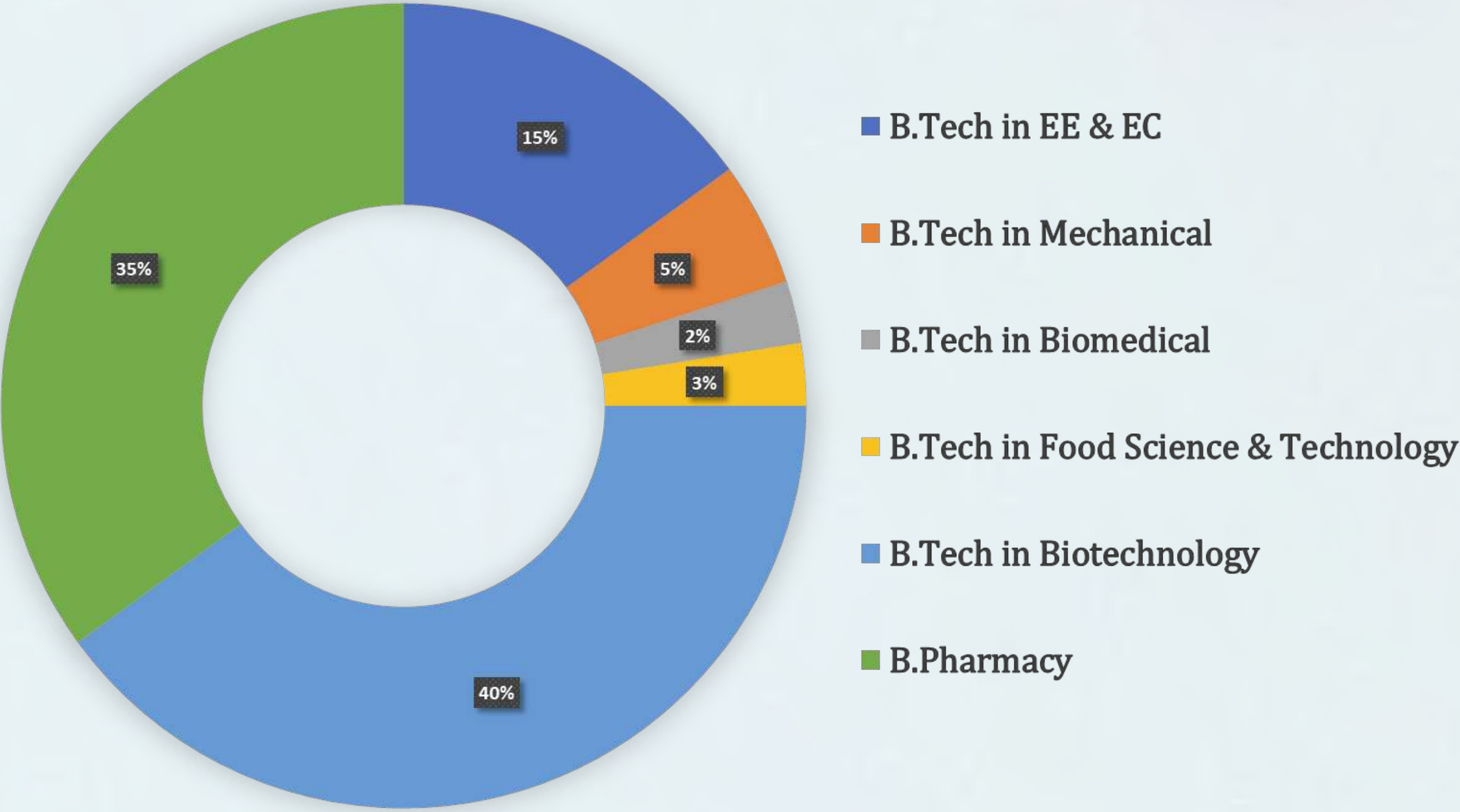
Dr. Rajiv K. Kar

Demographics.

M.Tech Student Distribution by Specialization



M.Tech Batch Demographics (2024-26)



Courses Offered.

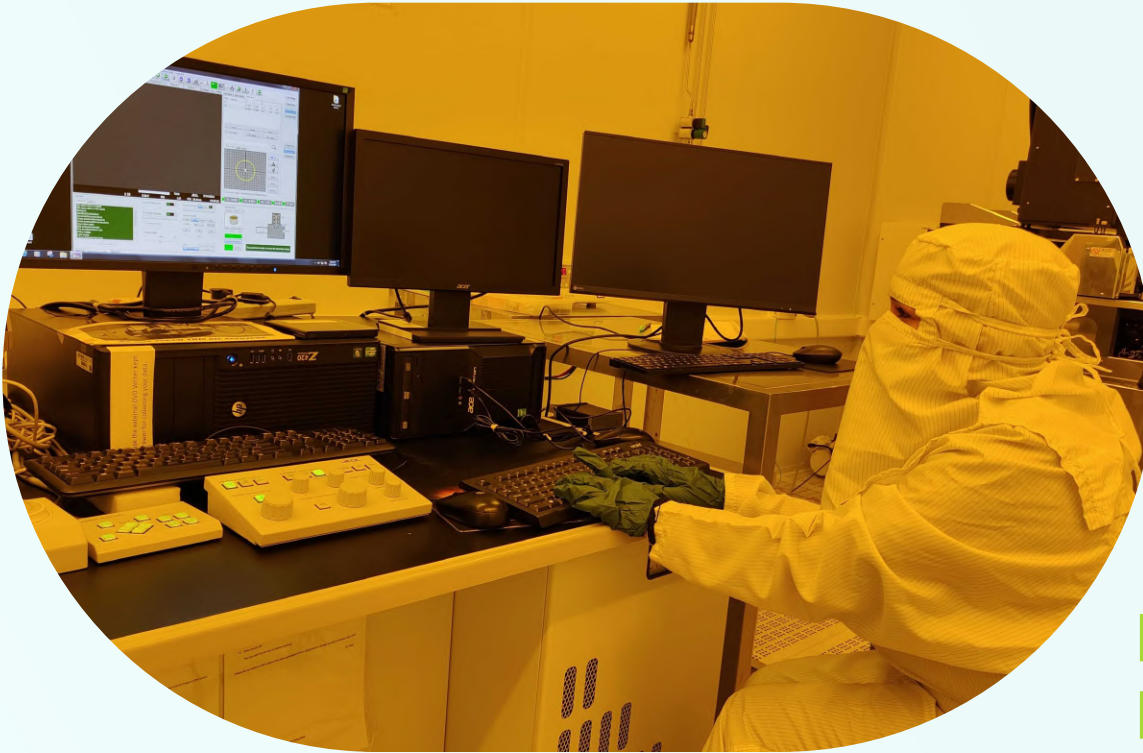
M.Tech Core Courses

- Introduction to Cellular Processes
- Basic Physiology for Clinical Immersion
- Introduction to Biomedical Electronics and Instrumentation
- Basics of Mathematical Modelling and Simulation
- Research Methodology, Ethics, IPR, Entrepreneurship and Biosafety
- Tissue Engineering and Regenerative Medicine Stem Cells and Therapeutics
- Biomechanics
- Nano Biomedicine & Drug Delivery

M.Tech Laboratory

- Product Design and Prototyping Laboratory
- Diagnostics & Device Laboratory
- Regenerative Medicine and Stem Cells Laboratory
- Biotechniques and Bioinstrumentation Laboratory

School Electives.



Medical Diagnostic Devices,
BioMEMS and Biosensors



Regulatory Affairs of Biomedical
Devices



Biomaterials



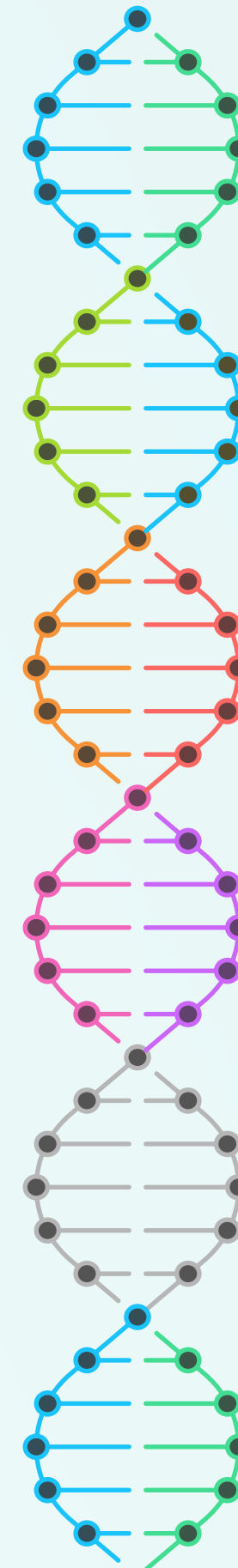
Cellular Systems Engineering



Advanced Immunology



Medical Image Processing



Introduction to Health Data
Analytics



Advanced Imaging and
Biofabrication



Advanced Mathematical Modelling,
Simulations and Software



Disease Models & Cell Therapeutics



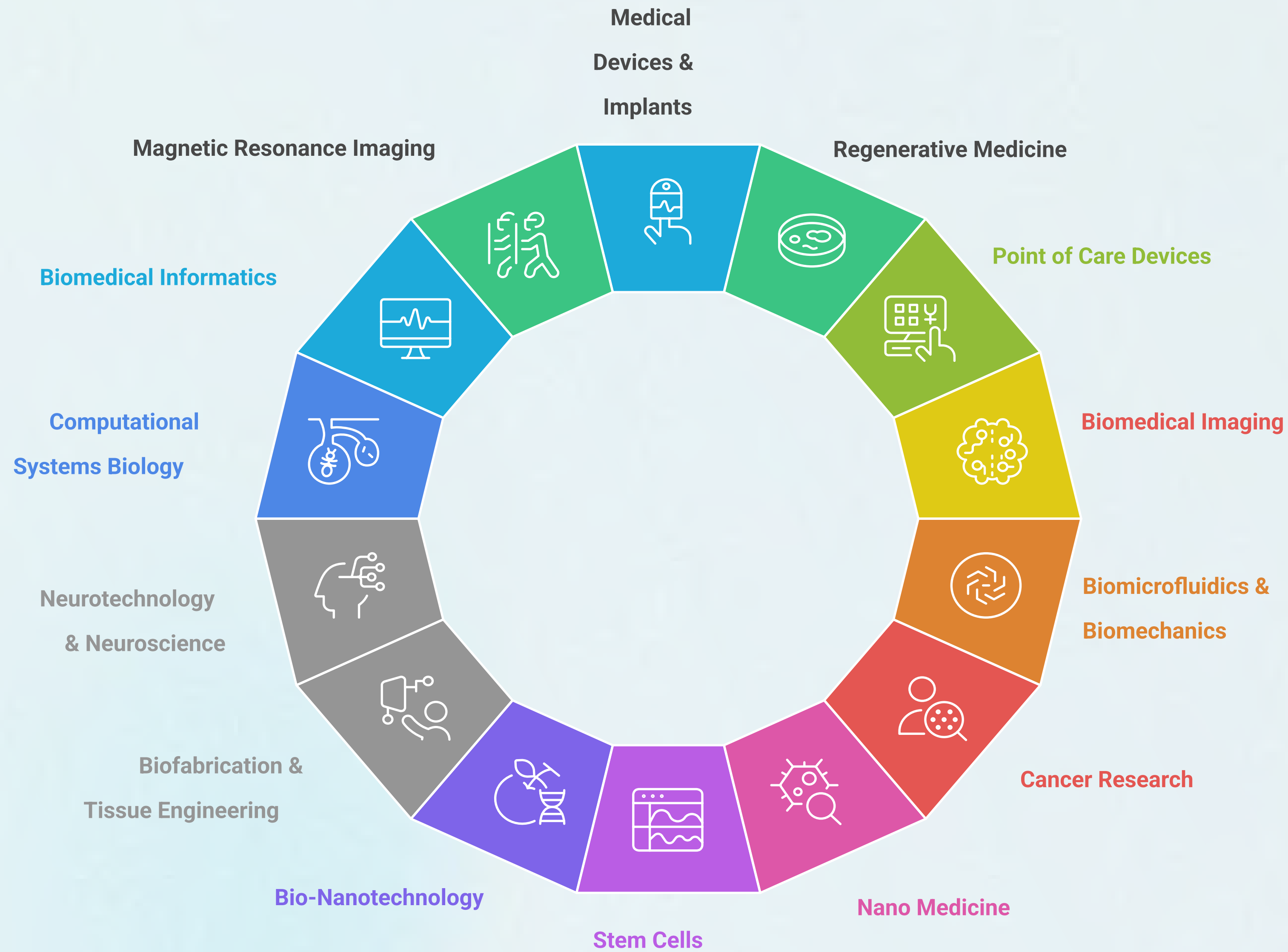
Polymer Chemistry



AI in Healthcare



Key Research Areas.



Laboratories.



Medical Devices and Diagnostics



Biotechniques & Bio Instrumentation



Microfluidics



Biomaterials & Tissue Engg.



Data Analytics



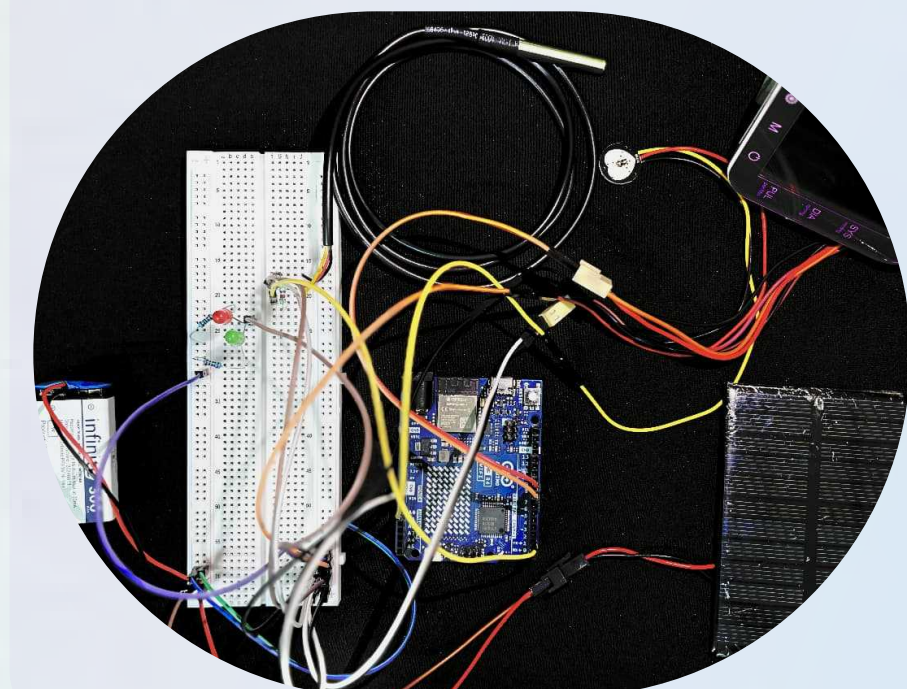
Molecular & Cellular Biology

Past Recruiters.



Major Achievements.

Students Prototypes:



Arogyavitals: Smart affordable Maternal Health Monitoring for Rural India

Chitosan based Hydrogel Bandage for Enhanced Wound Healing

Prototype for Non-Invasive Creatinine Detection

Wearable EMG Monitoring System for Muscle Activity

Gait Analysis for Abnormal Gait Patterns

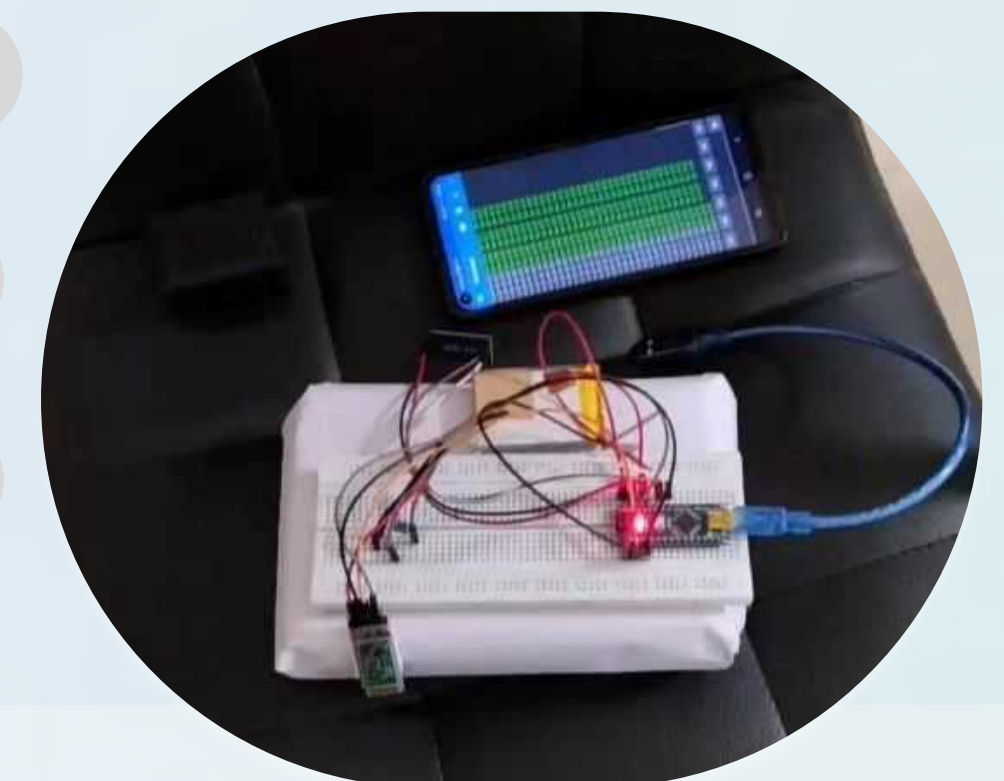
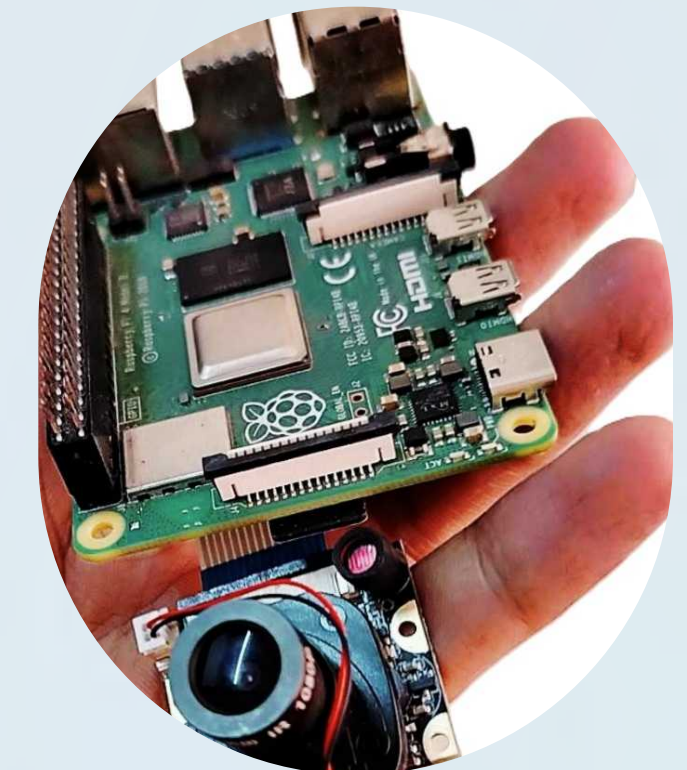
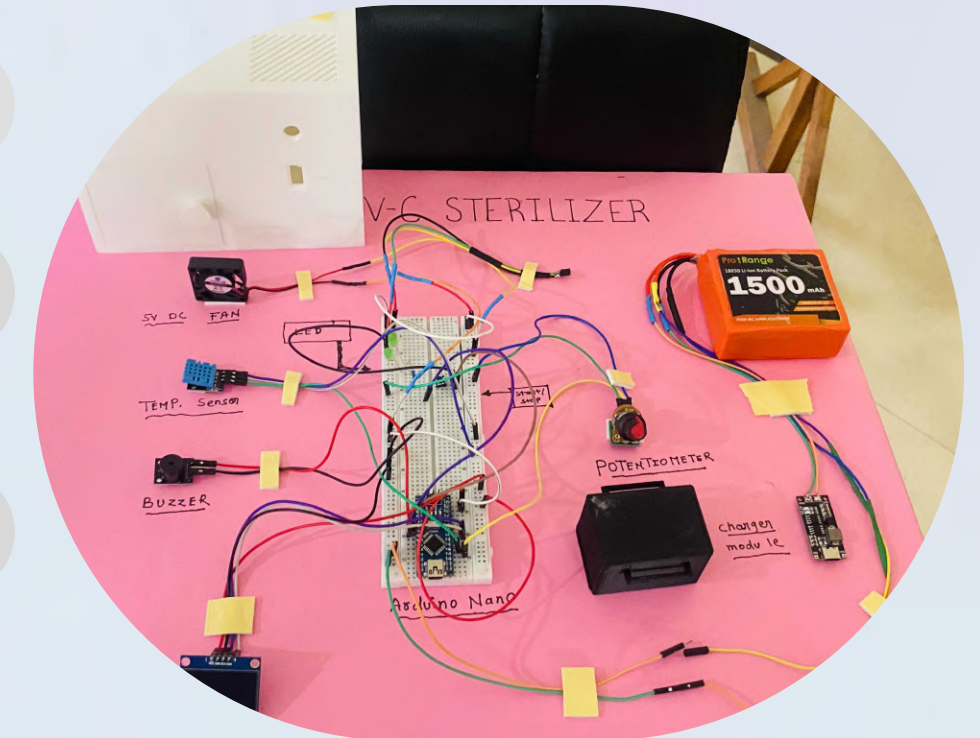
Non-Invasive Anaemia Detection Device

Non-Invasive Blood Grouping using NIR Photons

Portable UV-C Steriliser

Smart Bed for Pressure Ulcers Prevention

DripWatch: Portable IV Level Monitoring System



Contact Details.

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Location

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