

### Topics to be Covered

The topics to be covered in the conference are (but not limited to):

- ❖ Biosensors
- ❖ Bio-inspired materials
- ❖ Biomedical imaging
- ❖ Medical Robotics
- ❖ Biomaterial for clinical diagnostics
- ❖ Environment monitoring
- ❖ Drug delivery systems
- ❖ Bio materials
- ❖ Medical wearable devices and Diagnostics
- ❖ Bioinformatics
- ❖ Internet of Things (IoT)
- ❖ Machine Learning and Artificial Intelligence
- ❖ Healthcare applications

### IMPORTANT DATES:

#### Dates For Remember

Submission of Full paper (IEEE format) to conference email	:	30/04/2025
Selection Intimation to corresponding author	:	04/05/2025
Last date for receiving registration form	:	08/05/2025

#### Registration Fee Details

Delegate Category	Fee (Rs)
UG & PG Students	: 750
Faculty Members & Research Scholars	: 1000
Industry Delegates	: 1250

### Organizing Committee

Patron	:	<b>Dr. J. Jaya</b> Principal/HICET
Convenor	:	<b>Dr. S. Saravana Sundaram</b> HOD/BME
Coordinator	:	<b>Dr. M. Ganga</b> ASP/BME

### Technical & Organizing Committee Members

**Dr. T. Murugeswari**  
**Mrs. M. Deeparani**  
**Mrs. S. Shobha Christila**  
**Mrs. K. Kiruthika**  
**Ms. S. Patricia Nancy**  
**Ms. D. R. Nivedha**

### Students Members

**Noopu A D**  
**Revathy P R**  
**Rishikesan K**  
**Ruvethasri V**  
**Lakshman G**

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**SECOND NATIONAL CONFERENCE**

on

**EMERGING TRENDS IN  
BIOENGINEERING AND TECHNOLOGY**

**(NCETBT 2025)**

**MAY 15, 2025**



Organized by

**Department of Biomedical  
Engineering**

**HINDUSTHAN COLLEGE OF  
ENGINEERING AND TECHNOLOGY**

(Autonomous Institution)

Valley Campus, Pollachi Main Road

Coimbatore-32

[www.hicet.ac.in](http://www.hicet.ac.in)



## About the Institution :

Hindusthan College of Engineering and Technology (HiCET) established in the year 2000 is one of the premier private self-financing engineering Institution imparting quality technical Education. It is run by Hindusthan Educational and Charitable Trust under the leadership of Sri.T.S.R. Khannaiyann and Smt.T.R.K Sarasuathi. The institution is approved by AICTE, New Delhi, and is affiliated with Anna University, Chennai and certified with ISO 9001:2015. The institution holds UGC recognition under sections 2(f) and 12(B). The autonomous status has been extended till the academic year 2031-32. The Institution currently offers 16 UG and 6 PG programme. The Institution is accredited by NAAC with 'A++' grade (3.69/4) in Cycle 2 and 14 Programmes (12 UG and 2 PG programmes) are accredited by National Board of Accreditation (NBA) under Tier I Category.

The institution has received 4-star rating by Institute Innovation Council, Ministry of Education for organizing various innovation and Entrepreneurship related activities. Ranked within the 11-50 band in NIRF 2024 Innovation Category and placed in the 201-300 band in NIRF 2024 Engineering Category. The institution has received DST-FIST funding for developing research infrastructure and has been recognized as a Scientific and Industrial Research Organization (SIRO) by DSIR. Additionally, HiCET actively participates in and implements 18 AICTE-funded schemes and has been designated as a Mentor Institute under AICTE Margdarshan, guiding five institutions for NBA Accreditation.

## About the Department :

The Department of Biomedical Engineering, established in 2018, offers a B.E. program in Biomedical Engineering. Our faculty is composed of highly skilled professionals who are dedicated to advancing the field of



biomedical engineering. Their guidance has led to groundbreaking accomplishments, including the publication of over 20 patents by both faculty and students, highlighting our department's impact on the industry. A major highlight of our department is the Centre of Excellence in 3D Printing, which is equipped with state-of-the-art technology. The Department is a recognized Research Centre by Anna University for Ph.D. studies fostering robust research culture across diverse domains. Our department is proud to host an AICTE-sponsored IDEA Lab, backed by a generous 1 crore funding. Accredited by the National Board of Accreditation (NBA), our department emphasizes a comprehensive learning experience that blends theory with practical application. We take pride in developing not only skilled engineers but also visionary leaders who will make lasting contributions to the biomedical industry.

## VISION

To produce technically aspiring Biomedical Engineers with continuous enrichment in the research and innovation with high ethical standard to ensure quality health care society.

## MISSION

M1: To provide a value-based biomedical engineering education utilizing contemporary technologies and equipment.

M2: To Assemble a cohesive group of biomedical engineers to promote technologies via research and development and creativity.

M3: To offer solutions to the healthcare industry that are infused with moral principles and lifelong learning.

## About the Conference:

The Second National conference on Emerging Trends in Bioengineering and Technology (NCETBT 2025) which is going to be held during April 15, 2025 at Department of Biomedical



Engineering, Hindusthan college of Engineering, Coimbatore. This event will gather the researchers, professors, industrialists, students and all the enthusiasts to explore latest advancements in areas like tissue engineering, biomaterials, medical devices, medical imaging, genetic engineering, biomechanics instrumentation, electronics and more. Our aim is to provide an excellent opportunity for all the participants to share their research and to make connections for future endeavours. Join our conference to **Connect Share and Learn**. We eagerly anticipate your participation.

## Call For Papers :

The main objective of the Conference is the sharing of knowledge from all the Engineering community. The authors are expected to submit original contribution of on-going and unpublished work/review in IEEE - MS WORD format with maximum of six pages to the conference email-id [ncetbt25bmehicet@gmail.com](mailto:ncetbt25bmehicet@gmail.com). Maximum of three authors per paper is allowed. Separate certificate will be issued to each author. Selected papers will be published in the Conference Proceeding. All the papers will be peer reviewed and checked for plagiarism. Copy right form and paper template will be shared in acceptance mail.

**“Selected papers will be published in Scopus Indexed and UGC Care listed Journal”**  
(Processing fee as per journal guideline)

