



# BIOSCIENCES AND BIOENGINEERING

## INDIAN INSTITUTE OF TECHNOLOGY BOMBAY



### M.Tech.(BME) Admissions 2025-26

#### Areas of Course Work and Research

- Biomedical transducers and sensors including biosensors and bioMEMS devices
- Biophysics, cellular mechanics and computational biology
- Biomaterials and tissue engineering
- Bionanotechnology
- Controlled drug delivery systems
- Computational neurophysiology
- Microfabrication and microfluidics
- Computational Medicine & Biomedical Informatics
- AI/ML in healthcare applications
- Telemedicine and knowledge based systems
- Medical Imaging, Biophotonics, Tomography, Inverse Problems
- Human movement neurophysiology and biomechanics, Geriatric and Neurological rehabilitation, Assistive devices and Rehabilitation technology
- Biomedical signal processing, Neuroimaging, Neuromodulation, Neurofeedback
- Robotics for Healthcare applications

#### Schedule of Admission (for categories: TA/RA/IITB/IS/PS/SW)

- Advertisement (on IITB website) : **20 March 2025**
- Availability of online application forms : **25 March 2025**
- Last date for submission of completed application forms (without late fine) : **11 April 2025**
- Last date for submission of completed application forms (with late fine) : **16 April 2025 by 5 PM**

**Written Test : 8 May, 2025**  
**Interviews : 9 May, 2025**

#### Written Test (for categories: TA/RA/IITB/IS/PS/SW)

Written test will have the following six sections and a candidate has to choose any two (2) of these six (6) sections for writing the exam:

- Biology
- Physiology
- Chemistry
- Physics
- Mathematics
- Engineering

Only the two sections chosen by the candidate should be attempted and will be evaluated.

The question paper for each section will comprise of 10 questions, 1 mark each. Syllabus for each section will be at a level comparable to that for GATE 2025 examination or equivalent test/exam. There will be no negative marking. Use of a scientific calculator during the written test will be permitted, **candidates should bring their own scientific calculator (mobiles will not be allowed).**