

**One Week Self-Financed Short Term Training
Program on
“Science, Engineering and Medicine: A
Converging Platform”
(Online Mode)
(Under the initiative of Continuing Education Cell)**

From 9th February to 13th February 2026

REGISTRATION FORM

Name:

Designation:

Organization:

Qualification:

Correspondence Address:

Tel. (O) (R)

(M)

E-Mail:

Registration Fee is paid in the form of
Cash/DD/NEFT

Amount

No/Transaction-ID.....

Date

Name of the Bank.....

Date: Place:

Signature:

Note: Participants must send scanned copy of the filled registration form along with proof of payment through email to the coordinators. Payment should be made to the following.
Account No.: 38027633250 Name: Director, NIT Raipur
IFSC: SBIN0002852

Registration Fee should be paid in the form of Cash/DD/NEFT in favor of Director, NIT Raipur.

Last Date of Registration: 9th February 2026

Registration link:

<https://forms.gle/eJLurm2CDWb48Dbi7>

Chief Patron

Prof. N V Ramana Rao
Director, NIT Raipur

Patron

Prof. G. P. S. C. Mishra
Dean, Research & Consultancy, NIT Raipur

Chairman, CEC

Dr. Subhojit Ghosh
Professor
Department of Electrical Engineering

Coordinators

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Associate Professor, BME, NIT Raipur

Dr. Mainak Basu
Assistant Professor, BME, NIT Raipur

Dr. Souvik Biswas
Assistant Professor, BME, NIT Raipur

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Term Training Program
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**“Science, Engineering and
Medicine: A Converging Platform”
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Organized by

Department of Biomedical Engineering



**National Institute of Technology
Raipur-492 010 (Chhattisgarh)**

About the Institute:

National Institute of Technology Raipur situated in the capital of Chhattisgarh, has proven to be "avant-grade" in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president Hon'ble Dr. Rajendra Prasad on 14th September 1956, the institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. It is well connected with Mumbai, Delhi and all metro cities by regular flights and is on the main Howrah-Mumbai railway route. The institute is 5 km from the Raipur railways station and 18 km from airport on NH-6, the Great Eastern Road.

About Department:

The Department of Biomedical Engineering, established in 2003, is dedicated to advancing healthcare through innovation, research, and education. The department blends engineering principles with medical sciences to create technologies that improve human health and quality of life. Offering B.Tech, M.Tech in Medical Device (In Vitro Diagnostics), and Ph.D. programs, it equips students with strong analytical skills, practical experience, and exposure to cutting-edge biomedical technologies. Through collaborative research, industry partnerships, and state-of-the-art infrastructure, the department fosters innovation and leadership, preparing graduates to become competent professionals and researchers who contribute meaningfully to the global healthcare ecosystem.

Venue:

**Department of Biomedical Engineering
NIT Raipur (CG) – 492 010, INDIA**

Objectives:

- To introduce participants to the interdisciplinary convergence of science, engineering, and medicine in addressing real-world challenges.
- To provide an overview of emerging technologies and innovations at the interface of these domains.
- To enhance understanding of how engineering tools and scientific principles contribute to medical diagnostics, treatment, and healthcare solutions.
- To promote interdisciplinary thinking, collaboration, and problem-solving among students, researchers, and faculty.
- To familiarize participants with current research trends, case studies, and translational approaches in biomedical applications.

Theme/Scope:

The theme of this Short Term Training Program focuses on the convergence of science, engineering, and medicine as a unified platform for innovation in healthcare and biomedical research. The program emphasizes how fundamental scientific principles, advanced engineering technologies, and clinical insights collectively contribute to the development of novel diagnostic tools, therapeutic strategies, medical devices, and personalized healthcare solutions.

The scope of the program includes interdisciplinary areas such as biomedical engineering, biomaterials, medical imaging, diagnostics, drug delivery systems, computational biology, artificial intelligence in healthcare, and translational research. It aims to provide participants with exposure to recent advancements, practical challenges, and future directions in integrating scientific research and engineering solutions with medical applications, thereby fostering collaboration across disciplines and encouraging impactful research and innovation.

Topics to be covered:

Interdisciplinary convergence of Science, Engineering, and Medicine, Biomedical Engineering: Principles and Applications, Biomaterials and Bio-interfaces for Medical Applications, Medical Imaging and Signal Processing, Sensors, Biosensors, and Diagnostic Technologies, Drug Delivery Systems and Therapeutic Engineering, Computational Biology and Bioinformatics, Artificial Intelligence and Machine Learning in Healthcare, Medical Devices and Wearable Technologies, Tissue Engineering and Regenerative Medicine, Translational Research and Clinical Applications, Ethical, Regulatory, and Commercialization Aspects in Healthcare Technologies.

Targeted Participants:

UG, PG, Ph.D. scholars and young researchers from Physics, Chemistry, Biology, Applied Science, Biotechnology, Biomedical Engineering, Electronics, Computer Science, Mechanical, and Allied disciplines.

Industry professionals and healthcare practitioners who are interested in medical device innovations.

Registration Fee Details (in INR):

Participants	Amount (in Rs)*
Students (Internal)	590/-
Students (External)	944/-
Faculty/Industry	1770/-

*Including 18% GST

Application in the prescribed format with registration fee in the form of Demand Draft/NEFT in favor of "**Director, NIT Raipur**" must reach the coordinator on or before **9th February, 2026**. Fee is non-refundable. Selected candidate will be informed by email as per the schedule. Certificates will be issued to the participants only after attending the complete course.

Last Date of Registration: 9th February 2026

Registration link:

<https://forms.gle/eJLurm2CDWb48Dbi7>