

**High End Workshop on
Next Gen Medical Devices
(NGMD-2023-S2)**

**Sponsored by
DST-SERB, INDIA
(Under Scientific Social Responsibility)**

**Focusing on
Point-of-Care Diagnostics
Dec 26th-30th, 2023**

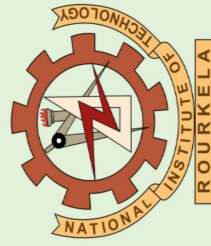
(Online)

PATRON

**Prof. K. Umamaheshwar Rao
Director, NIT Rourkela**

CHAIRMAN

Prof. Kunal Pal, HOD-BM Dept.



**Dept. of Biotechnology and Medical
Engineering**

**National Institute of Technology
Rourkela**

ABOUT NIT ROURKELA

National Institute of Technology Rourkela is an Institute of national importance created under the act of parliament. NIT Rourkela has been ranked between 281-290 in QS Asia University Ranking in 2023. QS world University ranking the band between 601-650. It has also been ranked in NIRF 2022, 15th position in Engineering, and 39th position in overall NIRF ranking. The institute provides quality education in a diverse and multicultural environment. The mission of the institute is to become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for society and be a preferred destination for undergraduate and post graduate studies. The institute is offering undergraduate, postgraduate and Ph.D. programmes in 21 Branches of Engineering. The institute research centers are engaged in consultancy and research activities of several government bodies such as DST, DAE, CSIR, DRODO, BARC, ISRO, and private industries.



**DEPT. OF BIOTECHNOLOGY AND MEDICAL
ENGG.**

The Department of Biotechnology and Medical Engineering was established in 2007 with the objective of providing a multidisciplinary research and teaching program in Biotechnology and Medical Engineering that advances the fundamental understanding of how biological systems operate and develops effective biology-based technologies for applications across a wide spectrum of societal needs including innovations in diagnosis, therapy of human diseases, design of novel biomaterials, biomedical devices, and in solving environmental hazards.



Registered participants will be informed by E-mail/ through
WhatsApp.

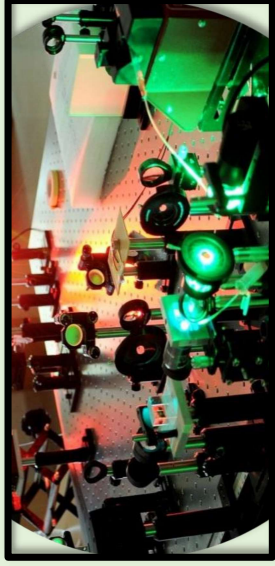
**Organized by
Dr. Earu Banoth & Dr. Prasoon Kumar
(Co-ordinators)**

Department of Biotechnology and Medical Engineering,
National Institute of Technology Rourkela, Odisha-769008.
Contact Nos. 9346381318 (Dr. Earu Banoth)

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ABOUT THE WORKSHOP

Medical devices are crucial tools for screening, diagnosis, and determining the next step of treatment. In this series of NGMD-S2 workshops, we will be focusing on optoelectronic instrumentation for rapid, point-of-care devices advancing with AI integrations. We will cover the state-of-the-art and future research directions in this field. The speakers consist of international experts in this field, recognized experts from premier institutions in India and major speakers from foreign universities.



COURSE CONTENT

The workshop will cover the following major topics.

- Introduction to state-of-the-art optofluidic biomedical instruments for diagnostics.
- Technology Translation from proof-of-concept to point-of-care devices.
- Current focus of industry in the area of biomedical instrumentation and role of AI in improving diagnostic outcomes.
- Clinical Implementation and challenges of Next Gen Medical devices.

ELIGIBILITY

The workshop is open to faculty members, research scholars and students from universities and educational institutions, and scientists and engineers from research organizations and industries, respectively.

IMPORTANT DATES

- Last date for the receipt of applications by email: scanned copy is 23/12/2023
- Intimation of selection: 24/12/2023
- Workshop start date: 26/12/2023

TARGET AUDIENCE

Maximum number of applicants is limited to 50. The selected applicants will be provided a secured meeting code of the web platform one day before the commencement of course.

ADDRESS FOR CORRESPONDENCE:

Dr. Earu Banoth,

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Dr. Prasoona Kumar

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Emails: banothe@nitrrkl.ac.in, kumarprasoona@nitrrkl.ac.in.

REGISTRATION FORM

1. Name (block letters):
2. Designation:
3. Organization:
4. Address for communication:
- Pin code: Mobile No./ Tel:
- E-mail:
5. Specialisation:
6. Experience: (a) Teaching: (b) Industrial:
7. (a) CFTI (b) State Govt (c) Other

I am sending herewith the duly signed registration form and the certificate by the authorized signatory of our institution.

Place:

Date: *Signature of the applicant*

REGISTRATION:

Please register for the workshop on “Next Generation Medical devices: focusing on Point-of-Care Diagnostics” to be held at Biotechnology and Medical Engineering Department, NIT Rourkela.

Registration FEE: NIL

Link for Registration: <https://shorturl.at/vlJRY>