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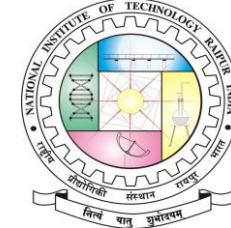
Ms. Padmini Sahu

Mr. Hardik Thakkar

## International Conference on Biomedical Engineering & Software Technology (BEST 2021)

January 28 – 29, 2021

Organized by



Department of Biomedical Engineering  
National Institute of Technology Raipur

G.E. Road, Raipur  
Chhattisgarh-492010

Website: [www.nitr.ac.in](http://www.nitr.ac.in)



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## About the Institution

National Institute of Technology (NIT) Raipur, formerly known as Government Engineering College (GEC) Raipur, is situated in the capital city of Chhattisgarh state. The institute has established its unique identity for the development of high-quality human and knowledge resource in diverse area of technology. It was declared as 'National Institute of Technology' by the Government of India on 1st December 2005 and then an 'Institute of National Importance' in May 2007 vide National Institute of Technology Act 2007. With over six decades of glorious history as a premier technical education institution in India, NIT Raipur now offers 12 UG and 11 PG programs. In addition to the UG and PG programs, NIT Raipur also offers Ph.D. program in 18 disciplines of science and technology.

## About the Conference

The conference aims to provide a forum for researchers, practitioners and professionals from the industry and the academia to share their research trends, findings, and results. The Conference will highlight multidisciplinary perspectives to interested Biomedical Engineers, software engineers and computer professionals, medical professionals, biotechnologists, pharmaceutical experts, sustainability researchers etc. and will also provide a platform for potential knowledge exchange on recent trends, theories and practices in the field of medical science and engineering. Biomedical is one of the emerging fields that can add new and better application in a wide range of sectors like healthcare, service sector, and processing industry to name some. Health research has high value to society. The most familiar form of health research is the clinical trial, but an increasingly large portion of health research is now information based. A great deal of research entails the analysis of data and biological samples. The conference will discuss advancements that is and will enable the researchers to develop better health facilities, huge data processing techniques for medical application and non-invasive diagnosis methodology, produce preventive vaccines and design effective pharmaceutical products to combat diseases, synthesize industrially attractive products etc.

## Call for Papers

Research articles are invited in the following areas of interest, but not limited to:

### Track 1: Computing Technology

- Big Data/ Data Mining/ Text Mining/ Time series Mining /Data Informatics
- Image Processing/Pattern Recognition/Multimedia
- Geographical Information Systems
- Machine Learning / Machine Intelligence / Artificial Intelligence
- Soft Computing (AI, Neural Networks, Fuzzy)
- Signal Processing

### Track 2: Biomedical Engineering

- nCOVID-19 research
- Health informatics
- Biomedical Signal Processing
- Medical Image Processing
- Biomedical Instrumentation
- Biomechanics
- Non-Invasive Techniques
- Medical Imaging Physics
- AI & Machine learning in health
- Cognitive Science/Engineering
- Brain Computer Interfaces

### Track 3: Biological Science

- Biomedical materials
- Bio-nanotechnology and clinical application
- Cellular and tissue engineering
- Bioinformatics and Computational Biology
- Biotechnology-based Products
- Clinical Biochemistry and Medical Biotechnology
- Cell Biology and Immunology
- Bio Sensors

### Submission Types

- Research articles
- Review articles\*
- Extended Abstract (for poster presentation)

\*Review articles which include critical evaluation of existing studies, research gaps and future steps in scope of conference will only be considered.

## Important Dates

Paper Submission	:	15 Nov 2020
Paper Notifications	:	15 Dec 2020
Registration Deadline	:	30 Dec 2020
Conference Dates	:	28-29, Jan 2021
Venue	:	NIT Raipur

## Registration Process

Interested participants, shall pay the registration fee either directly to the bank account through NEFT or send a demand draft (DD) in favor of "Director NIT Raipur". Registration form and payment details are available on the Conference website.

Category (Author)	INR	USD
Student / Research Scholar	1,500	75
Faculty	3,000	200
Industry	5,000	350

## Publications Opportunities

- ❖ Based on the recommendations of the reviewer(s) the accepted full-length articles will be published in:
  - Scopus/SCI/SCIE indexed journals
  - UGC approved Journals
  - Book chapter in book by reputed publisher
- ❖ The extended abstracts will be published in conference proceedings.
- ❖ Publication charges from Publishers end (if any) are to be borne by the authors.

## Highlights

- **Best Technical Paper Award**
- **Best Poster Presentation Award**