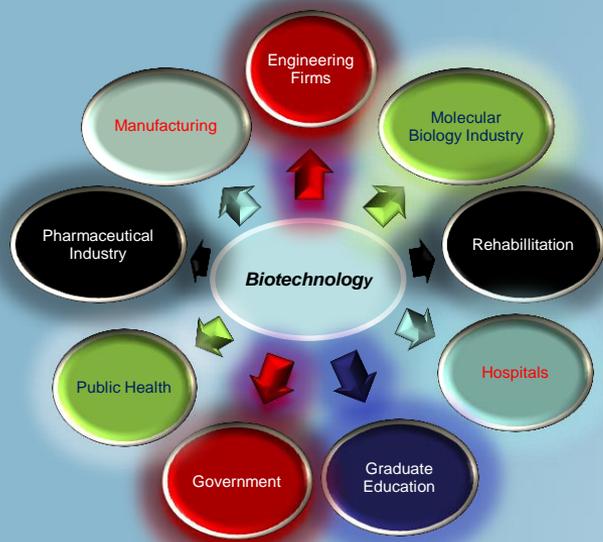


**Five days online International Workshop  
on  
Biotechnological Advances and  
Research (BAR 2020)**

**22<sup>nd</sup> to 26<sup>th</sup> August 2020  
(Sponsored by TEQIP-III)**



**Coordinators**

**Dr. Rajeeb Dey  
Dr. Risha Mal**

**Organized by**



**Electrical Engineering Department  
National Institute of Technology Silchar**

**ABOUT THE INSTITUTE**

National Institute of Technology Silchar is one of the 31 National Institutes of Technology of India and was established in 1967 as a Regional Engineering College Silchar in Assam. In 2002, it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. NIT Silchar is a fully residential campus situated on the banks of river Barak and on a sprawling green campus spread over 625 acres of land surrounded by scenic tea gardens on the outskirts of Silchar. NIT Silchar is a teaching and research institute which reflects in the top NIRF ranking.

**ABOUT THE DEPARTMENT**

The Department offers B.Tech. in Electrical Engineering and M.Tech. in two specializations (i) Power and Energy Systems Engineering and (ii) Control and Industrial Automation. This department also offers Ph.D in Electrical Engineering. The state of art laboratory facilities exist in the department to train the UG, PG and PhD scholars to carry research in the frontier research areas of Electrical Engineering. The faculty members are specialized in diverse fields and there is commendable research ambience in the Department. Department of Electrical Engineering takes up R & D projects sponsored by various funding agencies.

**COMMITTEES**

**Chief-Patron**

**Prof. Sivaji Bandhopadhyay,**  
Director, NIT Silchar

**Chairman**

**Prof. N. B. Dev Choudhury**  
HOD, EED, NIT Silchar

**Convener**

**Dr. Sukumar Pati**  
TEQIP-III Coordinator, NIT Silchar

**Advisory Committee**

Prof. A. K. Barbhuiya, Dean (Acad.), NIT Silchar

Prof. M. Ali Ahmad, Dean (R&C), NIT Silchar

Prof. N. Sinha, EED, NIT Silchar

Prof. B. K. Roy, EED, NIT Silchar

Prof. S. Choudhury, EED, NIT Silchar

**Organizing Committee**

Dr. D. C. Das	Dr. L. C. Saikia
Dr. J. P. Mishra	Dr. T. Malakar
Dr. A. K. Goswami	Dr. P. Roy
Dr. C. Bhattacharjee	Dr. N. Soren
Dr. R. K. Biswas	Dr. T. Pradhan
Dr. D. K Raju	Dr. P. Kayal
Dr. A. Pati	Dr.N.Adhikary
Dr. S. Ray	Dr. J. J. Singh
Dr. A. Rani M A	Dr. Sreejit S
Dr. Swapna Mansani	

## ABOUT THE COURSE

Biotechnology is the field that exploits living organisms to make technological advances in various fields for the sustainable development of mankind. It has its applications in the medical as well as agricultural sectors. Some of the key areas of application are Health, Biofuels, Bioinformatics, and Industrial Biotechnology, etc. The Department of Biotechnology, Govt. of India takes initiative to enhance technological advances for biological processes through various research schemes in the above mentioned fundamental and applied areas.

This workshop intends to bring experts from academia and industry, and working in different areas of biotechnology to deliver the state of the art researches undertaken in India and abroad for the sustainable development and progress of human mankind.

The 5 days' workshop will enlighten the young generation of engineers, researchers of the country to apply their engineering skills beyond engineering systems, thereby inculcating the interdisciplinary/transdisciplinary nature of research.

## COURSE OBJECTIVES

As this field of study is very vast and interdisciplinary in nature, so it is intended to include the following topics for discussion and training but not limited to:

- Medical Biotechnology
- Biomedical Signal Processing
- Biomedical Imaging
- Cryo-electron Microscopy
- Artificial Intelligence & Machine Learning for Applications in Biomedical Engineering
- Computer Methods in Biomedical Engineering
- Embedded System for Medical Applications

## RESOURCE PERSONS (EXTERNAL EXPERT)

- Prof. Radhakant Padhi, IISC Bangalore
- Prof. Ganti Murty, IIT Indore
- Dr. Manidipa Banerjee, IIT Delhi
- Dr. Amit Mehndiratta, IIT Delhi
- Dr. Animesh Acharjee, Omic Marker Ltd, Brighmingam, UK
- Prof. Anirban Mukherjee, IIT Kharagpur
- Prof. Suman Chakraborty, IIT Kharagpur
- Prof. P. K. Roy, IIT-BHU, Varanasi
- Prof. S. Danapat, IIT Guwahati
- Dr. Koen Bruynseels, Head of BASF Systems Biology, Gent, Belgium.
- Mr. Nishant Sinha, New South Wales University Hospital, UK

## RESOURCE PERSONS (INTERNAL EXPERT)

- Prof. N. Sinha, EED
- Dr. R. H. Laskar, ECE
- Dr. K. Guha, ECE
- Dr. Saroj Biswas, CSE

## IMPORTANT DATES

Last date (online registration): 20-08-2020  
Confirmation by E-mail: 21-08-2020  
Duration: 22-08-2020 to 26-08-2020

## ELIGIBILITY

This program is open to faculty members, research scholars, PG & UG Students, and industrial personnel.

## REGISTRATION

No Registration Fee  
Online registration link:  
<https://forms.gle/qop5C7VYgCXU2uDg7>

## REGISTRATION PROCESS

- Fill up the google form for registration.
- Confirmation eMail will be sent.
- Number of participants is limited to 200

## CERTIFICATION

E-certificates will be provided to those participants who have attended the program without any absenteeism.

## CONTACT DETAILS

**Dr. Rajeeb Dey,**  
[rajeeb@ee.nits.ac.in](mailto:rajeeb@ee.nits.ac.in)  
Mob: 7086731971

**Dr. Risha Mal,**  
[risha@ee.nits.ac.in](mailto:risha@ee.nits.ac.in)  
Mob: 9128985341

