

TEQUIP-II Sponsored Workshop  
On

Modern Biotechnology:  
Applications of Micro-Nano  
Technology Systems  
(MB-AMNTS)

**December 05 to 11, 2013**

**Venue: Department of Biotechnology, NIT  
Durgapur**

REGISTRATION FORM

NAME (in block): \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Tel/ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Registration Fees \_\_\_\_\_

D. D. No. \_\_\_\_\_

Date: \_\_\_\_\_

Signature of the Applicant

Who can attend MB-AMNTS -2013

MB-AMNTS is aimed to attract and bring together Faculty Members, Teaching Assistants, Research Scholars and M.Tech. students from Academic and Research Institutions recognized by AICTE, UGC or equivalent.

Registration Fees

Registration Fee: **Rs.4000/-**

Registration Fee includes Workshop kit, Boarding charges, light refreshment and lunch for 7 days during the course. Registration Fee should be paid in the form of Demand draft in favor of "Biotech Workshop-2013" payable at SBI R E College Branch, Durgapur. No TA/DA will be paid to the participants by NIT Durgapur.

Important Dates

**Last date of Application Submission: Nov 11, '13**

**Last date of Registration: Nov 29, '13**

Guidelines

Interested candidates are asked to apply with their CV to the email ID of the contact person. Registration should be done upon confirmation.

PATRON

Prof. T. Kumar, Director NIT Durgapur

Advisory Committee

Col. (Retd.) Prabhdeep Singh Sandhu (Registrar)  
Prof. P. P. Gupta, Dean, (R & D)  
Prof. K. C. Ghanta, Co-ordinator, TEQUIP-II  
Prof. B. Halder, Nodal Officer, TEQUIP-II  
Prof. G. Sanyal, Dean (Students Welfare)  
Dr. Sudit Sekhar Mukhopadhyay (HOD  
Biotechnology)

Contact person

Dr. Monidipa Ghosh ([gmonidipa@yahoo.com](mailto:gmonidipa@yahoo.com))  
Contact No. - 9434789001

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**Course Coordinators**

**Dr. Monidipa Ghosh**

Dept. of Biotechnology (NIT Durgapur)

Jointly organized by

**NIT Durgapur &  
CMERI-CSIR Durgapur**

## The Institutes

### NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

The National Institute of Technology, Durgapur (formerly Regional Engineering College, Durgapur), was established by an Act of Parliament in 1960 as one of the eight such colleges aimed to function as a pace setter for engineering education in the country and to foster national integration. It is a fully-funded premier Technological Institution of the Government of India and is administered by an autonomous Board of Governors. The Institute is a University which awards B.Tech., M.C.A., M.Sc., M.B.A., M.Tech. and Ph.D. degrees to students after their successful completion of the specified courses. The Institute imparts education in the disciplines of Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering, Mechanical Engineering, Metallurgical and Materials Engineering, Information Technology, Physics, Chemistry, Mathematics, Environmental science, Materials Science and Management Studies.

### CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE DURGAPUR

The Central Mechanical Engineering Research Institute (also known as CSIR-CMERI Durgapur or CMERI Durgapur) is a public engineering research and development institution in Durgapur, West Bengal, India. It is a constituent laboratory of the Indian Council of Scientific and Industrial Research (CSIR). The CMERI was founded in February 1958 under the endorsement of the CSIR. It was founded to develop national mechanical engineering technology, particularly in order to help Indian industries.

CMERI has developed as many as 150 products and processes. More than 120 licensees have obtained know-how for various products and processes developed by CMERI for commercial exploitation. CMERI has filed more than 100 patents, and in recognition, the Institute

has been awarded 26 prestigious national awards for product and process development.

## About the Workshop

The last two decades the science for exploring the novel materials, techniques and tools developed by understanding the phenomenon in atomic and molecular dimensional scales has grown significantly. Technologies developed for engineering smart devices in micro-nano meter scales have made realized the manipulation of single biological cells, lab-on-chip based diagnostics, controlled drug delivery and Nanomedicine. In today's modern Biotechnology arena, many devices and commodities we use in healthcare incorporate some form of micro- or nano scale technology, yet many of the potentials of the micro- and nano systems are to be realized.

This seven days workshop jointly organized by Department of Biotechnology, National Institute of Technology Durgapur and CSIR-Central Mechanical Engineering Research Institute, Durgapur will deal with scientific principles both in Biology and Engineering that have attributed to modern Biotechnology. This workshop also look at how far micro, nano and biosystems have come in, what key challenges are remained and what exciting frontiers are still to be explored. The leading experts will discuss the growth in conceptual and fundamental science and its shortfalls, the key impediments of modern Biotechnology and the effective areas of interface of biology and micro-nano systems engineering. These exciting subjects will be addressed in **formal talks by the leading experts, poster session by the Research students, hands-on laboratory sessions and informal meetings.**

## Invited Speakers

Names	Institute
<b>Prof. Pradeep Das,</b> Director	Rajendra Memorial Research Institute of Medical Sciences, Patna

<b>Prof. Sudip Chattopadhyay,</b> Professor Department of Biotechnology	NIT Durgapur
<b>Prof. Ranga Narayanan,</b> Director Department of Chemical Engineering	University of Florida
<b>Prof. T. K. Maity,</b> HOD Department of Biotechnology	IIT Kharagpur
<b>Prof. S. P. Adhikary,</b> HOD Department of Biotechnology	Visva-Bharati University
<b>Dr. Nagahanumaiah,</b> Chief Scientist Microsystems Laboratory	CSIR-CMERI Durgapur
<b>Prof. G. K. Anantha Suresh,</b> Professor Department of Mechanical Engineering	IISc Bangalore
<b>Prof. Apurba Dey,</b> Professor Department of Biotechnology	NIT Durgapur
<b>Dr. P. Sar,</b> Associate Professor Department of Biotechnology	IIT Kharagpur
<b>Dr. C. Roychowdhury,</b> Assistant Professor Department of Electronics and Telecommunication	BESU Shibpur

## Organizing Committee

Dr. Sudit Sekhar Mukhopadhyay, HOD Biotech, NIT DGP  
 Prof. Sudip Chattopadhyay, Dept. of Biotech. NIT DGP  
 Dr. Nagahanumaih, Scientist F, CSIR- CMERI, Durgapur  
 Prof. Apurba Dey, Dept. of Biotech. NIT DGP.  
 Dr. Surabhi Chaudhuri, Dept. of Biotech. NIT DGP.  
 Dr. Kaustav Aikat, Dept. of Biotech. NIT DGP.  
 Dr. Dalia Dasgupta Mandal, Dept. of Biotech. NIT DGP.  
 Dr. Debjani Dutta. Dept. of Biotech. NIT DGP.  
 Dr. Ashish Bhattacharjee, Dept. of Biotech. NIT DGP.  
 Dr. Kazy Sufia Khannam, Dept. of Biotech. NIT DGP.  
 Dr. Subhankar Roy Barman, Dept. of Biotech. NIT DGP.