

## About NIT Silchar:

National Institute of Technology(NIT) Silchar (an Institute of National Importance under MHRD, Govt of India), was established in 1967 as Regional Engineering college (REC) Silchar Assam. In 2002 it is upgraded to NIT. It is situated on the banks of Barak river with an astounding green campus. The campus is fully covered by green trees making it the one of the beautiful institute in India. NIT Silchar offers six UG and Ten PG courses. The Department of ECE offers B.Tech, M.Tech and PhD degrees. The institute is well known for its notable work in technical field. The institute is having well equipped laboratories with state of art scientific Tools. It makes the Research scholar to work 24 hours to achieve new heights in technical field.

### Chief Patron:

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

### Patron:

**Prof. F.A. Talukdar**, HOD  
Dept. of ECE

### Chairperson:

**Prof. S. Baishya**, Dean Academics, NIT  
Silchar

### Convener:

**Dr. Koushik Guha**, Asst. Prof, Dept. of  
ECE, NIT Silchar

### Joint Convener:

**Dr. Kandarpa Kumar Saikia**, HOD, Dept.  
of Bio engineering and Technology  
GUIST, Guwahati

### Organizing Committee

Dept. of Electronics & Communication  
Engineering. NIT Silchar and Dept. of  
Bio engineering and Technology,  
GUIST.

### How to reach NIT Silchar:

There are daily flights from Delhi, Kolkata, Guwahati and Agartala. Silchar is well connected by road. Buses run every day from Guwahati, Agartala, Meghalaya and Mizoram at Day and Night time. The preferred bus services are Jagannath and ASTC. Silchar is connected by train from all parts of the India.

## TEQIP III Sponsored (Under Twinning Program)

**Five-Days National Workshop on  
“MEMS Engineered Medicine:  
Breaking Barriers in Medical  
Diagnostics”  
(12 to 16 April-2019)**

### Organized By

**National MEMS Design Center @ NIT Silchar  
Department of Electronics and  
Communication Engineering  
National Institute of Technology Silchar  
Assam-788010, India**

*(An Institute of National Importance under MHRD, Govt. of India)*

*Jointly with*

**Department of Bio engineering and  
Technology**

**Guwahati University Institute of Science  
and Technology, Guwahati**



### Convener

**Dr. Koushik Guha**  
**Assistant Professor (Grade-I)**  
**Department of ECE**

### About ECE Department:

Electronics and Communication Department in NIT Silchar is most leading department in both Academic and Research streams. The Faculty and Ph.D. Scholars are fully devoted for technical research. Department is having different labs Communication lab, Antennas lab, VLSI Research Lab, Image Processing lab, Devices Lab and MEMS Lab covering almost all research areas in the field of Electronics and fully equipped with high speed PCs and state of art Equipment. MEMS and VLSI labs devoted for the miniaturization of device dimensions. The two labs are in collaboration to get new and useful devices for better society comfort. MEMS lab is having COMSOL Multiphysics, Coventor and MEMS+ licensed software's for simulation works.

### Benefits of Attending Workshop:

This workshop is aimed to bring great minds in Medicine, Industry and Academia together to enlighten and share knowledge to work in interdisciplinary fields. The Medical doctors identifying the flaws in the existing conventional systems they are presently using in hospitals to treat the patients. The academic experts introducing the future trends that are under research to find a solution to medical systems. The participants are expected to bag a lot of information

### Five-Days Workshop on MEMS Engineered Medicine: Breaking Barriers in Medical Diagnostics (12-16 April-2019)

#### Registration Form

1. Name.....  
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2. Designation.....  
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3. Organization.....  
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4. Address.....  
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5. Phone/Mobile.....  
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6. Email:.....  
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7. Qualification.....  
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8. DD Number  
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9. Accommodation Required: Yes/No

#### Declaration by applicant:

The information furnished in the application is true to best of my knowledge.

Date:

Signature: Forwarded By HOD

### Topics to be covered

- Kidney Importance in Human Body
- Drug induced Nephrotoxicity & its eradication
- MEMS and Bio-MEMS
- Microfluidics in Medical Equipment
- Fabrication Aspects of Microfluidics
- Applications and Future Scope of MEMS in Medical Diagnostics

### Plenary Speakers

- Dr. Arindam Dutta, Consultant Urologist, RG Stone Hospital, Kolkata
- Dr. Pratim Sengupta, Consultant Nephrologist, Belle Vue Hospital, Kolkata
- Prof. Nitin S. Kale, Nanosniff, IIT Bombay
- Prof. K. Srinivasa Rao, KL University
- Prof. Suman Chakraborty, IIT Kharagpur
- Dr. Ajay Agarwal, CSIR CEERI Pilani
- Prof. Soumen Das, IIT Kharagpur
- Prof. Sanket Goel, BITS Hyderabad

### Registration & Accommodation

Interested persons are advised to send Duly filled application on or before 06-April-2019. Accommodation shall be provided in single or shared basis in the institute Guest house on chargeable basis.

**Internal Students: Rs. 500/-**

**\*External Students: Rs. 1000/-**

**\*Internal Faculty members: Rs. 1000/-**

**\*External Faculty members: Rs. 3000/-**

**\*Industry Persons: Rs. 5000/-** (DD must be drawn in favor of "Director NIT Silchar" payable at Silchar. Original DD should be submitted at the time of Registration).

### Important Dates:

Last Date of accepting applications:

**06<sup>th</sup> April-2018**

Notification of Selection: **09<sup>th</sup> April-2019**

Date of Workshop: **12<sup>th</sup> to 16<sup>th</sup> April-2019**

