

About the Electrical Engineering Department:

The department of Electrical Engineering has its existence since the inception of the institute. It offers B.Tech in Electrical Engineering as a major and as a specialization (minor/electives) in final year they have the option of choosing diverse specialized subjects from the areas of Power system, Power electronics & machine drives, Automatic control system, Soft Computing and machine learning, embedded systems, biomedical engineering etc. The state-of-the-art laboratory facility exists in the department to train the undergraduate students as well as allow research scholars and postgraduate students to carry research in the frontier research areas of electrical and electronics engineering. The department has well qualified contingent of faculty members from all over the India with varying research and academic interests and credentials. The department regularly organizes international and national level conferences and workshops as a means to update the faculty and students. Department of Electrical Engineering takes up R&D projects sponsored by various governmental funding agencies of India.

Contact Us:

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- Prof. N. Sinha, nidul.sinha@gmail.com
- Prof. B.K. Roy, bkr_nits@yahoo.co.in

REGISTRATION FORM

One week Workshop cum Hands-on training on

Biomedical Instrumentation System for Clinical Diagnostic & Research

(An Industry Institute Partnership Programme under TEQIP-III)

20th February to 24th February 2020

1. Name (block letter):
2. Designation: Student/Faculty/Industry Professional
3. Organization:
4. Address for communication:
5. Ph. No.:
6. E-mail:
7. Highest educational qualification:
8. Accommodation required: Yes / No
9. Payment Details:

Place:

Date:

Signature of the applicant

Recommended by HOD/
HOS/HoO/Director/Principal

(Signature & Seal)

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Coordinators

Prof. B.K. Roy
Professor, EED

Prof. Nidul Sinha
Professor, EED

Dr. Rajeeb Dey
Assistant Professor, EED

Dr. Tapan Pradhan
Assistant Professor, EED

Organized By



 **Scientech**

National Institute of Technology, Silchar
&
Scientech Pvt. Ltd, Indore

About the Course:

The main focus of this workshop cum training is to expose and train young engineering students & researcher to the fundamental understanding about anatomy and physiology in the first level. In the second level utilizing the understanding of the complex biological systems, training will be imparted to them about the design, development and standards of biomedical instruments for diagnostic and research purpose. Further, the most important aspect and outcome of the workshop cum training is to imbibe among our young generation to contribute towards the technological advancement of the medical science by blending the concepts and fundamentals of electrical, electronic and computational sciences. The last but not least, this training programme is to promote awareness among students fraternity of the institute towards biomedical research and entrepreneurship.

Course Objectives:

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

- Anatomy and Physiology of the human body system
- Understanding Biosignals, Biomechanics, Prosthetic Arms & Control
- Biomedical Instruments for diagnostics
- Biomedical Signal processing & Imaging
- Computer methods in Biomedical Engineering
- Hands on training on the use of Biomedical instruments (EEG, ECG, Doppler etc)
- Embedded system for medical applications

Tentative Speakers

1. **Dr. Ravi Kanan**, Head, Silchar Cancer Hospital
2. **Dr. Nabarun Das**, Asst. Professor, Radiology, Diphu MC, Silchar
3. **Dr. Abhijit Das**, Asst. Prof., Anaesthesia, SMC
4. **Prof. S. Dandapat**, Professor, Electronics & Electrical Engg. IIT Guwahati
5. **Mr. Vinay V**, Director, Grasp Bionics, Bangalore
6. **Engineer**, Sciencetech, Indore
7. **Engineer**, Sciencetech, Indore

Time- table (Tentative)

Day	9 to 10	10 to 11	11 to 12	12 to 1	3 to 4	4 to 5
Thursday	Inauguration	Free	Lecture 1			Hands on/Lab session 1
Friday	Lecture 2		Lecture 3			Hands on/Lab session 2
Saturday	Lecture 4		Lecture 5			Hands on/Lab session 3
Sunday	Lecture 6		Lecture 7			Hands on/Lab session 4
Monday	Lecture 8		Lecture 9			Valedictory function

Committees:

- Chief Patron: **Prof. Sivaji Bandyopadhyay**, Director, NIT Silchar
- Patrons: **Prof. N.B. Dev Choudhury**, HoD, EED, NITS
- Advisors: **Prof. S. Baishya**, Dean (Acad.), NIT Silchar
Prof. M. Ali Ahmad, Dean (R&C), NIT

Organising Committee:

- Prof. Saurav Choudhury**, **Dr. L.C. Saikia**,
Dr. A.K. Gaoswami, **Dr. J.P. Misra**,
Dr. D.C. Das, **Dr. R.K. Biswas**,
Dr. T. Malakar, **Dr. C. Bhattacharjee**,
Dr. P. Roy, **Dr. N. Adhikary**,
Dr. D.K. Raju, **Dr. N. Soren**,
Dr. Sreejith S, **Dr. Asha Rani**,
Dr. Risha Mall, **Dr. Swapna Mansi**,
Dr. J. Singh

Registration Fees:

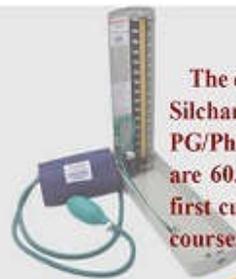
The course is conducted mainly for UG students of NIT Silchar. However limited seats are reserved for interested PG/PhD scholars/Faculty members. The number of seats are 60. Preferences will be given to the participants on first cum first basis. There is no registration fees for the course.

Registration Process:

1. Please fill up the attached form.
2. Please send the scanned copy of the form to the coordinators by email.
3. On the first day of workshop all the participants have to deposit the hard copy of the form to the organisers in the registration desk.

About NIT Silchar

National Institute of Technology Silchar, an Institute of national importance under the NIT act was established in 1967 as Regional Engineering College (REC) Silchar in Assam. In the year 2002, it was upgraded to the status of an NIT. NIT Silchar is situated on the banks of river Barak in the southern part of the Assam. The institute has a beautiful campus spread over 600 acres of land on the outskirts of the Silchar town. NIT Silchar is fully a residential institution. It offers presently six B.Tech courses in the area of Civil, Mechanical, Electrical, Electronics & Communication, Computer Science and Engineering, Electronics and Instrumentation Engineering. All the departments of the institute offers M.Tech and PhD degrees too.



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3. Designation:
4. Organization:
5. Address for Communication:

6. Mobile Number:
7. E-mail:
8. Highest Degree:
9. Specialization:

Note: There is no registration fees for this workshop. But the registration is mandatory.

Signature:

Place:

Date:

Recommended by HoD/HoO/Director/Principal

Signature:

Date:

Seal: