

**TEQIP III Sponsored
Short Term Training Program
On**

“Biomedical Imaging and Image Processing”

28th July – 1st August, 2018

REGISTRATION FORM

1. Name:
2. Designation:
3. Organization:
4. Highest Educational Qualification:
5. Correspondence Address:
-
-
6. Mob.
7. E-Mail:
8. Accommodation required (Tick): Yes/No
9. Any other Information:
10. Details of Registration Fee: Mode: DD/Online
(IMP: Attach DD/Online transfer proof)

D.D. No.	Date	Bank Name

Date:

Place:

Signature of the applicant

Recommended by HOD(for students only)

(Sign & Seal of HOD)

External Speakers

Prof. T. K. Basu, IIT Kharagpur
Prof. Prabin Kr. Bora, IIT Guwahati
Prof. Sudipta Mukhopadhyay, IIT Kharagpur
Prof. Shushmita Mitra, ISI Kolkata
Prof. P K Biswas, IIT Kharagpur
Dr. Sumatra Dutta Roy, IIT Delhi
Dr. Swagatam Das, ISI Kolkata
Dr. K Rajamani, Robert Bosch Engineering
Dr. Ashish Ghosh, ISI Kolkata
Dr. Biplab Banerjee, IIT Bombay

Patron

Prof. Sivaji Bandyopadhyay, Director, NIT Silchar

Chairperson

Prof F A Talukdar, HOD (ECE), NIT Silchar

Convener

Dr. Rabul Hussain Laskar
Associate Professor
ECE Dept., NIT Silchar

Protagonist

Prof. S Baishya, Dean Academics, NIT Silchar

Coordinators

Dr. Ram Kumar Karsh
Dr. Chandrajit Choudhary

Organizing Committee

Dr. P K Paul, Mrs. M Paul, Dr. M Choudhury,
Dr. K L Baishnab, Dr. B Bhowmick, Dr. W Arif,
Dr. K Guha, Dr. T R Lenka, Dr. A Hossain,
Sh. G P Kesri, Dr. A Nandi, Dr. B Basu,
Dr. T khan, Dr. S K Tripathi, Dr. U Chakraborty,
Dr. R Khosla, Dr. P Pattanayak, Dr. M Kavicharan,
Dr. R Murugan, Dr P Puspa Devi, Dr. M V Swati,
Dr. G S Baghel, and Dr. Tripti Goel

**One Week TEQIP III Sponsored
Short Term Training Program on
“Biomedical Imaging and Image Processing”
28th July – 1st August, 2018**



Organized by

Department of Electronics and Communication Engineering



National Institute of Technology Silchar-788010
(Assam)

**Address for Correspondence
Dr. Ram Kumar Karsh**

Assistant Professor

ECE Dept., NIT Silchar (Assam)

Email: tnrakarsh@gmail.com, Contact No.: 9706924826

IMPORTANT DATES

Last date of receipt of application: 23-July-2018. Notification about selection: By email.

About the Institute:

National Institute of Technology (NIT) Silchar, an institute of national importance under the NIT Act was established in 1967 as Regional Engineering College (REC) Silchar in Assam, in year 2002, it was upgraded to the status of NIT from REC. Nit Silchar is situated on the banks of river Barak and on a sprawling campus spread over 600 acres of land on the out skirts of Silchar. The landscape of NIT Silchar is beautiful with natural lakes and hillocks, surrounded by tea gardens. The climate of Silchar during July is very pleasant with normal temperature around 20-25°C. NIT Silchar is a fully residential Institution with 9 hostels for boys and 2 hostel for girls.

Objective:

The aim of this training program is to provide an exposure to both basics and recent advances in medical imaging and image processing to student, research scholars, and professionals. This training program is mainly divided into three parts, basics to recent trends biomedical imaging and images processing, tools for implementation: MATLAB, Python, OpenCV basics, and hands-on practice over biomedical imaging and images. The essence of the academic interaction would be different from a conventional workshop or conference as it will be planned to be a week-long residential school. Real time applications of some of the practically deployable systems will be demonstrated.

Theme/Scope:

At present, automation and computation are required to enhance these biomedical technologies. Various types of computer methods have been adapted to automate and enhance such medical technologies. This course will provide a concrete base and hands-on experience on well-known Biomedical imaging and their processing for Computer Aided Diagnosis Systems.

Expert lectures will be delivered by faculties/ eminent persons from different IITs/Premier research institutes/Industries to introduce the Biomedical imaging and image processing and discuss the challenges. This will benefit the candidates to gain knowledge of medical applications of signal and image processing. Case studies of Machine Learning applications to different medical applications will be demonstrated to learn the concept and may be used by M. Tech, PhD, and researchers in the future endeavor. Hands-on sessions has been suitably designed to supplement classroom discussions using software and databases.

Eligibility:

This program is open to people from industry, faculty member, research scholars and UG, PG students of technical institutions, engineering colleges, universities & other recognized institutions.

Accommodation:

Accommodation may be arranged for out station participants in the institute guest house/hostels as per the following nominal institute rent per night (subject to availability). The payment may be made on spot. Hostel charge is Rs. 50/- only. For more details about guest house please visit NIT Silchar website. The guest room rent as follows:

Single room	Double room
Rs. 350	Rs. 600

How to reach NIT Silchar:

The Silchar is well connected by air, rail & road. Silchar is situated at a road distance of 334 km from Guwahati. IT campus is just about 10 km away from Silchar railway rail way station & 35 km from Silchar airport.

Course Materials:

Lecture slides and other reference materials will be provided to the registered candidates in CD/DVD.

Targeted Participants:

UG/PG Students, Research Scholars, Academicians, and Industry Professionals.

Registration Fee Details:

Internal Students:	Rs. 500/-
External Students:	Rs. 1000/-
Internal Faculty Members:	Rs. 1000/-
External Faculty Members:	Rs. 3000/-
Industry Persons:	Rs. 5000/-

The registration fee includes registration kit, attendance in lecture series, breakfast, lunch (and dinner for outstation participants only).

All participants have to pay the registration fees before submitting application either (1) via DD in favour of Director NIT Silchar, Payable at State Bank of India, NIT Silchar Branch or (2) Online transfer to account of the Director, NIT Silchar (A/C No: 10521277057, IFSC: SBIN0007061, Bank Name: SBI NIT Silchar). Brochure & registration form can also be download from: <http://www.nits.ac.in/>

Submission Process:

Scanned copies of both registration form along with D.D (or online transfer proof) are to be send to tnramkarsh@gmail.com on or before 23th July 2018. The original hard copies of registration form and D.D has to be submitted at the registration desk, just before the commencement of the workshop. Thereat, students need to produce their ID proof.

Selection process:

Since the number of seats is limited to 50, the selection will be made on first cum first serve basis and intimation will be sent to the candidates by email. Certificates will be issued to the participants only after successful completion of the course. No TA/DA will be paid to the participants.