

Registration Details

External participants have to make payment via DD of Rs. 1000/- in favour of **Director NIT Silchar, Payable at State Bank of India, NIT Silchar branch.**

For internal participants the registration fees is not required.

Brochure and registration form can also be downloaded from the institute website: <http://www.nits.ac.in>.

Submission deadline: Scan copy of Registration Form and D.D. required to be submitted via email to (sudarsan_iisc@yahoo.in) on or before **15th February, 2019**. The hard copy of original registration from forwarded by the competent authority and D.D. has to be submitted before the commencement of the workshop at the registration desk.

About NIT Silchar

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 an 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 outskirts of Silchar. It is surrounded by beautiful lakes and hillocks. NIT Silchar is a fully residential Institution. At present it offers six undergraduate courses in Civil Engineering, Mechanical Engineering, Electrical

Engineering, Electronics and Telecommunication Engineering, Computer Science and Engineering and Electronics & Instrumentation Engineering and some AICTE approved Post-Graduate courses. The Department of Electronics & Instrumentation Engineering is established along with the inception of the Institute in 2009. Ever since its establishment the Department has been striving to provide quality technical education. The Department lays special emphasis on research and developmental activities both on the part of the faculty as well as the students.

Eligibility

This program is open to Faculty Members, Research Scholars, M.Tech. /M.Sc. and BTech. Students of technical institutions, engineering colleges, polytechnics, Universities and other recognized institutions. The number of participants is limited to 60.

Accommodation and Travel

All the out station participants will be provided accommodation on payment basis in the Guest House of the Institute, subject to availability. No TA and DA will be paid to the participants.

Address for Communication

Sudarsan Sahoo,
Assistant professor, Department of E & I Engg.
NIT Silchar – 788 010

E-mail: sudarsan_iisc@yahoo.in
Contact No.: +91-8761932350

One week hands on training on
**MATLAB APPLICATIONS IN CONTROL
SYSTEM & SIGNAL PROCESSING**

[MACS-2019]

(Under TEQIP-III)

18-22 Feb 2019

Coordinators:

Mr. Sudarsan Sahoo,
Dr. S.H. Laskar,
Dr. Ranjay Hazra &
Dr. Arun Kumar Sunaniya



Organised by::

DEPARTMENT OF E & I Engg.
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SILCHAR-788010, ASSAM-INDIA

Introduction

Signal Processing and Control System play a vital role in engineering and research field. It finds applications in many areas. This one week training course will provide a hands-on introduction to MATLAB and its use in control system and signal processing.

MATLAB offers easy-to-understand programming language, sharing source code and toolboxes which solve the selected area from practice. The software is ideal for light scientific computing, data processing and math work. Its strength lies in toolboxes for Control, signal processing and Electrical and Electronics Engineering.

Course Objectives

MATLAB programming and its practical application in Control System, Signal Processing and Communication Engineering.

Course Contents

- Basics of MATLAB programming.
- Use of MATLAB to represent signals and systems,
- Use of MATLAB to perform time-domain and frequency-domain analysis,
- Use the signal processing GUIs available in MATLAB, and use the signal processing blockset.
- Use of MATLAB in Communication engineering.
- Use of MATLAB in Biomedical Signal Processing.
- Hardware interfacing using MATLAB and Arduino.

Course Material

Each registered participant will be provided with a set of lecture notes (soft copy).

Organising Committee

Patron:

Prof. Sivaji Bandyopadhyay,
Director, NIT Silchar

Chairman:

Dr. S.H. Laskar,
Head, EIE, NIT Silchar

Coordinators: Mr. Sudarsan Sahoo

Dr. S. H. Laskar
Dr. Ranjay Hazra
Dr. Arun K. Sunaniya

Organizing Members:

- Mrs. Jupitara Hazarika
- Dr. Lalu Seban
- Dr. Rajdeep Dasgupta
- Dr. Munmun Khanra
- Dr. Manas Bera
- Dr. Shivendra k. Pandey
- Dr. Koena Mukherjee
- Mr. Surajit Sarkar
- Mr. Kalyan Chakraborty

REGISTRATION FORM

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18-22 Feb 2019

1. Name (block letter): _____

2. Designation: _____

3. Organization: _____

4. Address for communication: _____

_____ Pin code: _____

5. Ph. No.: _____

6. E-mail: _____

7. Educational Qualification: _____

8. Accommodation Required: Yes / No _____

Place:

Date:

**Signature of
the applicant**

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[MACS-2019]

18-22 Feb 2019

Organized by:
Department of Electronics & Instrumentation Engineering,
National Institute of Technology Silchar

REGISTRATION FORM

1. Name (block letter): _____

2. Designation: _____

3. Registration Number (in case of student) _____

4. Department & Organization: _____

5. Address for communication: _____

_____ Pin code: _____

6. Ph. No.: _____

7. E-mail: _____

8. Educational Qualification: _____

9. Accommodation Required: Yes / No _____

Place:

Date:

Signature of the applicant