ABOUT THE INSTITUTE & SILCHAR

National Institute of Technology (formerly Regional Engineering College), Silchar, is one of the oldest RECs, setup in 1967. In 2002 it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. It is situated on the banks of Barak River. The campus is spreaded over an area of 540 acres, set amidst a sprawling landscape of natural beauty. It presents a spectacle of harmony in modern architecture, surrounded by extensive Tea Gardens. Over the years the institute has established itself as a premier institution imparting technical education of a very high standard leading to B.Tech. degrees in various branches of engineering and M.Sc., M.Tech. and Ph.D. programs in various specializations. Silchar city is known for its rich historical and cultural heritage. During March Silchar experiences a temperature varies from 25-30°C.

HOW TO REACH NIT SILCHAR

The Silchar city is well connected by air, rail and road. Silchar is situated at a road distance of 334 km from Guwahati. NIT campus is about just 10 km away from Silchar railway station and 35 km from Silchar Airport. (http://www.nits.ac.in/misc_docs/Reaching_NIT_Silchar.pdf)

ABOUT THE DEPARTMENT

The Department of Mathematics was established along with the inception of the Institute. Ever since its establishment the Department has been striving to provide quality technical education and imbibe a sense of professionalism in its students. To achieve such high standards it has got an extremely competent faculty and well equipped laboratories. The Department lays special emphasis on research and developmental activities both on the part of the faculty as well as the students. In Dec. 2014, our department organized an international conference, which was the first ever international conference in NIT Silchar. Along with the many workshops have been organized herewith high rate of success.

ABOUT THE WORKSHOP

The Department of Mathematics at NIT Silchar is pleased to announce the One week Workshop on "Advances in Stability Analysis of Linear and Nonlinear Systems" to be held at NIT Silchar Campus, during March 08-12, 2017. This workshop aims to bring researchers together working on different aspects of Stability Theory on Differential Equations and their applications and to foster interaction among researchers from both industry and academia. In this workshop, we will host various lecture and practical sessions on the specified theme given by eminent speakers.

The aim of the program is to give training to the participants of various disciplines related to Mathematics, in order to acquire the knowledge of recent development in mathematical problems modeled by differential equations and solutions through a series of lectures by many renowned speakers, in the workshop.

THEME

This workshop is intended to be small, focusing on developing a deeper understanding of what we already know, or the current status, and what the emerging questions are in order to move this approach forward, or the future directions. The dynamical system approach to modeling real systems has been around for at least four decades. But by far, the notion of equilibrium has been driving the majority of authentic analysis. Equilibrium analysis has its appeal, relatively simple and can be described by a set of well-defined mathematical expressions. Recently, there has been resurgence in the interest of developing a deeper understanding of the dynamical system approach for modeling biological, ecological, and many more systems, perhaps motivated by studies that question the existence of equilibrium, its uniqueness, stability, and attraction domains, whereas others argue that understanding the process or trajectory toward equilibrium is just as important as it involves understanding the learning process and behavioural adaptations. It suffices to say that many aspects simply cannot be answered by traditional equilibrium analysis.

One week Workshop

on

"Advances in Stability Analysis on Dynamical Systems"

(Under TEQIP – II)
March 08-12, 2017

National Institute of Technology, Silchar (Assam)

REGISTRATION FORM

1. Name:

2. Designation:

3. Institution/Organization:

4. Address for communication:

5. E mail:

6. Phone/Mobile No:

7. Highest educational qualification:

8. Accommodation required (Tick): Yes/No

9. Any other information:

10. Details of Registration Fee:

11. D.D. No.:   Date:

Bank:

Place:

Date:

Signature of the applicant

TENTATIVE SPEAKERS

- Prof. Sunita Gakkhar (IIT Roorkee)
- Prof. S. Sundar (IIT Madras)
- Prof. K.N. Rai (IIT-BHU)
- Prof. R.K. Upadhyay (IIT(ISM) Dhanbad)
- Prof. Subir Das (IIT-BHU)
- Prof. Ameeya Kumar Nayak (IIT Roorkee)
- Prof. Sandip Banerjee (IIT Roorkee)

ORGANIZING COMMITTEE

PATRON
Prof. Rajat Gupta, Director, NIT Silchar

CHAIRMAN
Dr Santanu Roy, HOD

ADVISORY MEMBERS
Mr. Bijan Nath
Dr Pijus Kanti De
Dr Mausumi Sen
Dr Ganti Ramesh
Dr Kedar Nath Das
Dr Juthika Mahanta
Dr Subrata Bera
Dr Bala Hema Sundar Raju

COORDINATORS
Dr Praveen Kumar Gupta
Department of Mathematics, NIT Silchar

Dr Pankaj Biswas
Department of Mathematics, NIT Silchar

Dr Md Maqbul
Department of Mathematics, NIT Silchar

WHO CAN ATTEND

- B.Tech./M.Tech./Ph.D. students,
- Teachers working in UGC/AICTE approved science and engineering colleges,
- Persons work in Industry / R&D Organizations.

REGISTRATION FEE

External Student & Research Scholar : Rs. 500/-
Internal Faculty : Rs. 1000/-
External Faculty/R&D organizations : Rs. 2000/-

REGISTRATION PROCEDURE

All participants have to make payment via DD in favour of **Director NIT Silchar**, Payable at *State Bank of India, NIT Silchar* branch. Brochure and registration form can also be downloaded from the institute website: http://www.nits.ac.in/workshops/

SUBMISSION DEADLINE

Scanned copy of Registration Form along with D.D. required to be sent via email (nits.math@gmail.com) on or before **10th February, 2017**. The hard copy of original registration from and D.D. has to be submitted before the commencement of workshop at the registration desk.

DEADLINES

- Receiving Application Form : 10th February 2017
- Short listing : 13th February 2017
- Workshop Dates : 08-12 March 2017

IMPORTANT INFORMATION

- Total Intake : 50
- A registration fee includes the Kit and lunch during the Workshop.
- All the out station participants will be provided accommodation on payment basis in the Guest House/Hostels of the Institute. No TA and DA will be paid to the participants.

ADDRESS FOR COMMUNICATION

Dr. Praveen Kumar Gupta
Coordinator,
Assistant Professor
Department of Mathematics,
NIT Silchar, Assam, India
Mobile: +91- 8133042303
Email: nits.math@gmail.com

One week Workshop
on
"Advances in Stability Analysis on Dynamical Systems"

(Under TEQIP – II)
March 08-12, 2017

Coordinators

Dr Praveen Kumar Gupta
Dr Pankaj Biswas
Dr Md Maqbul

Organized by

Department of Mathematics
National Institute of Technology
Silchar - 788 010 (Assam)