Patron

Prof. Sivaji Bandyopadhyay, Director, NIT Silchar

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Prof. P. K. Patowari. - Dean (FW), NITS
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Dr. S. Chakraborty, Assistant Professor, EIE
Dr. A. K. Sharma, Assistant Professor, EIE
Dr. V. C. Pal, Assistant Professor, EIE

Contact Details

- Dr. M. K. Bera (Ph. no. +91 9476696804)
- Dr. V. C. Pal (Ph. no. +91 7007231973)

Email : atalfdp_eie@nits.ac.in

Registration Details

There is no registration fee. Interested candidates can register (on or before 25.02.2021) using the link : forms.gle/eF865G2suN7LKi639

Selection

The seats are limited to 100 candidates on a first come first serve basis. The intimation regarding selection will be sent to the candidates by email.

Important Dates

- **Last date (Online Registration) :** 25.02.2021
- **Selection list by E-mail :** 26.02.2021
- **Program Dates :** 01.03.2021 to 05.03.2021

Certificate

The Certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online FDP.

Eligibility of Participation

The faculty members of the AICTE approved institutions, final year UG students, research scholars, PG Scholars, participants from Government Sector, Industry.

AICTE Sponsored Five Days Online Faculty Development Program On

Nonlinear Systems : Modelling & Control

(1^{st} March to 5^{th} March, 2021)

Coordinators

Dr. M. K. Bera and Dr. V. C. Pal
Assistant Professor, Dept. of EIE

Organized by

Department of Electronics and Instrumentation Engineering,
National Institute of Technology Silchar
Assam-788010, India
Web : http ://www.nits.ac.in

About the Institute

The 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. The 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. The NIT Silchar has achieved 9^{th} position among NITs, 46^{th} in Engineering institutions and 94^{th} in overall category in NIRF 2020 ranking.

About the Department

The Department of Electronics & Instrumentation Engineering was established in 2008 and currently offers a four year B.Tech. program in Electronics & Instrumentation Engineering, M.Tech. in Instrumentation Engineering and Ph.D. in the related areas.

About AICTE

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level Apex Advisory Body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Education. Council understand that there is a need of the day to train the young generation in skill sector and having faculty technicians to be trained in their respective disciplines.

Course Outline

Control theory is an interdisciplinary branch of engineering and mathematics that is concerned with the analysis and synthesis of controller for dynamical systems. The scope of the FDP will range from theoretical aspects to practical applications of nonlinear systems theory, including control, analysis, modelling, and identification of nonlinear systems and related fields. A hands-on control of nonlinear system will take place at the end of the course.

Learning Outcome

At the end of this FDP, the participants will be able to :

- Model real time engineering systems.
- Design the controller for nonlinear practical systems.
- Explore the most prominent areas of recent research fields of Nonlinear systems modelling and control.

Resource Persons

The List of Speakers :

- **Prof. Jagannathan Sarangapani** ; Missouri University of Science & Technology, USA.
- **Prof. Antonella Ferrara**, Process Control and Robotics, University of Pavia, Italy.
- **Prof. Jaime A. Moreno**, Universidad Nacional Autónoma de Mexico (UNAM), Mexico.
- **Prof. Emilia Fridman**, Dept. of Electrical Engineering and Systems, Tel Aviv University, Tel Aviv, Israel.
- **Prof. Sachin C. Patwardhan**, Dept. of Chemical Engineering , IIT Bombay, India.
- **Prof. Ravi N. Banavar**, Syscon , IIT Bombay, India.
- **Prof. Arpita Sinha**, Syscon , IIT Bombay, India.
- **Prof. Ankur A. Kulkarni**, Syscon , IIT Bombay, India.
- **Prof. Debasattam Pal**, Dept. of Electrical Engineering , IIT Bombay, India.
- **Prof. Soumya Ranjan Sahoo**, Dept. of Electrical Engineering , IIT Kanpur, India.
- **Dr. Shyam Kamal**, Dept. of Electrical Engineering , IIT BHU, Varanashi, India.
- **Dr. Surajit Panja**, Dept. of ECE , IIIT Guwahati, India.
- **Dr. Atreyee Kundu**, Dept. of Electrical Engg., IISC Bangalore, India.
- **Dr. Munmun Khanra**, Dept. of EIE, NIT Silchar, India.
- **Dr. Rajib Dey**, Dept. of Electrical Engg., NIT Silchar, India.