



***Online Faculty Development Programme on
Recent Research Trends in Control, Instrumentation & Allied
Engineering: A Multidisciplinary Approach (RRTCIA)-2020
04th to 08th September 2020***

TEQIP III

(Sponsored by TEQIP III)

About the Course: The course is designed to enlighten the core areas of research in different fields of science and engineering. Design of Complex Engineered Systems is a collaborative activity and can be viewed as an interdisciplinary application of engineering. Also the advantage of multidisciplinary research is that research can converge more rapidly. Researchers are more efficient, if they are able to sum their expertise to solve problems. Indeed, it would take longer time for just one laboratory to gain the required level of expertise in another field. Another advantage of multidisciplinary projects is that it can bridge the fundamental and applied research. Indeed fundamental researchers can confront their knowledge to real problems and applied researchers can benefit from the most advanced knowledge.

The eminent speakers of this course will discuss the different research problems in Control, Instrumentation & Allied Engineering and relevant tools to solve the problems in lieu of the multidisciplinary applications.

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

- (i) explore the most prominent areas of recent research fields like Biomedical Engineering, Control Systems, Instrumentation and Robotics.
- (ii) do collaborative teaching-learning and research work.

List of Speakers:

- ❖ Prof. Radhakant Padhi, Indian Institute of Science, Bengaluru
- ❖ Prof. Tarikul Islam, EED, Jamia Millia Islamia, New Delhi
- ❖ Dr. Shyam Kamal, IIT(BHU), Varanasi
- ❖ Dr. Sohom Chakrabarty, IIT Roorkee
- ❖ Dr. Ramviyas Parasuraman, University of Georgia, USA
- ❖ Dr. V. K. Yanumula, Technical University of Crete, Greece (Post-Doctoral Fellow)
- ❖ Dr. Ashis Tripathy, University of Minho, Portugal (Post-Doctoral Fellow)
- ❖ Dr. Janardan Kundu, Bikaner Technical University, Bikaner
- ❖ Dr. Shivam Bhardwaj, Senior Data Scientist, Eugenie.ai
- ❖ Er. Sushil Kumar Semwal, Scientist, DRDO
- ❖ Er. V.M. Uma Maheswari, Scientist, DEBEL, DRDO, Bengaluru
- ❖ Er. Shashank Kumar, Senior Application Engineer, Quarbz Info. Systems
- ❖ Senior Faculty members of Electronics & Instrumentation, Electrical, and Mechanical Engineering Department of NIT Silchar.

Coordinators:

Dr. Vipin Chandra Pal, Dr. Sudipta Chakraborty, Dr. Anup Kumar Sharma and Dr. Shankar K.
Assistant Professor, Dept. of EIE, NIT Silchar

Organized by :

Department of Electronics & Instrumentation Engineering
NIT Silchar, Assam - 788010

One Week Online FDP
on
**Recent Research Trends in Control,
Instrumentation & Allied
Engineering: A Multidisciplinary
Approach (RRTCIA)-2020**

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Dr. Anup Kumar Sharma, & Dr. Shankar K.



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Learning Outcomes:

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WHO CAN APPLY

Faculty members, Ph.D. Scholars, PG/UG Students, Researchers and Working Professionals from various Engineering Institutions, Industries and people with basic science background.

REGISTRATION & CERTIFICATION

- There is no registration fee.
- Number of participants is limited to 200.
- Interested candidates can register by filling the online registration form with the link given below:
<https://forms.gle/vzCh5Pq77nzdFNFh8>
- e-Certificate will be provided to the participants upon submission of feedback form at the end of each lecture.

IMPORTANT DATES

- Last date for online registration: 01st Sept. 2020
- Date of confirmation to participants: 02nd Sept. 2020
- Date of FDP : 04th Sept. – 08th Sept., 2020

CONTACT DETAILS

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Department of Electronics & Instrumentation Engineering
National Institute of Technology Silchar, Assam - 788010

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. The landscape of NIT Silchar campus is beautiful with natural lakes and hillocks, surrounded by tea gardens. NIT Silchar has achieved 9th position among NITs, 46th in Engineering institutions and 94th in overall category in NIRF 2020 ranking.

ABOUT DEPARTMENT

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

In the midst of imparting theoretical and practical subject knowledge, the department targets the holistic development of students – intellectually, emotionally, psychologically and physically. Trained in a broad-based discipline that has relevance across various industries, our graduates are well-positioned to solve crucial engineering issues and to improve the living conditions of the modern world - making things more efficient, optimal, sustainable and affordable.

Tentative List of Speakers:

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- ❖ Er. Shashank Kumar, Senior Application Engineer, Quarbz Info. Systems (*with complementary Typhoon HIL Software with life-time free update*)

Chief Patron

Prof. Sivaji Bandyopadhyay,
Director, NIT Silchar

Advisory Members

Prof. P. K. Patowari, Dean (Faculty Welfare)
Dr. S. H. Laskar, HoD, E&I Engineering
Dr. Sukumar Pati, Coordinator, TEQIP-III

Organizing Committee Members

All the faculty members of Electronics & Instrumentation Engineering Department

Coordinators

Dr. V. C. Pal
Dr. Sudipta Chakraborty
Dr. Anup Kumar Sharma,
Dr. Shankar K.
Assistant Professor,
Electronics & Instrumentation Engineering Department



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