

Committee

Chief-Patron Prof. Sivaji Bandyopadhyay,
Director, NIT Silchar

Patrons Dr. J. P. Mishra
HOD, EED, NIT Silchar

Dr. Sukumar Pati
Coordinator, TEQIP-III

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Dean (Academic)

Prof. S. Baisya,
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Registration Details

Registration: Through ATAL Portal

Link : <https://atalacademy.aicte-india.org/signup>

Interested candidates can register (on or before 15.07.2021), there is no registration fee. The seats are limited to 200 candidates on a first come first serve basis.

Certificate

The Certificates shall be issued through ATAL portal 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, research scholars, PG Scholars, participants from Government Sector, Industry.

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AICTE Training And Learning (ATAL) sponsored

**ONE WEEK Faculty Development
Program on
Green Technology for
Sustainable Life: Indian
Perspective**

19th to 23rd July 2021

Coordinators

**Prof. Nidul Sinha
Dr. Risha Mal
Dr. Swapna Mansani
Dr.Sreejith.S**

Organized By:



**Electrical Engineering Department,
National Institute of Technology Silchar**

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 the year 2002, it was upgraded to the status of an NIT from REC. NIT Silchar is situated on the banks of the river Barak and on a sprawling campus spread over 600 acres of land on the outskirts of Silchar. NIT Silchar is a fully residential Institution. At present it offers six undergraduate courses in Civil, Electrical, Mechanical, Electronics & Communication, Computer Science & Engineering and Electronics & Instrumentation Engineering. All the departments of the Institute also offer PG and Ph. D. programmes.

About the Department

The department offers core courses in Control Systems, Power Systems, Electrical Machines, Instrumentation, Switchgear and Industrial Protection, Microprocessors and Microcontrollers etc. The state-of-the-art Lab facility exists in the department like Machine Lab, Microprocessor & Embedded System Lab, Computational Lab and Advance Control Lab, etc. to name a few. Various research and development activities are taken up by the department to put the students on busy schedules enabling them to blend to the modern industrial requirements. The department regularly organizes seminars, workshops, conferences at national and international level.

About the Course

Owing to the growing demand of electricity and insufficient supply the global market is looking for a sustainable alternative for replacing the conventional energy systems. Moreover, our government is looking for as well as encouraging; efficient, reliable, and affordable electrical alternatives to cut down the pressure on grid supply. This mission necessitates skilled technicians and engineers to make this venture a reality. Thus, this five day workshop aims at addressing the basics of green technologies, battery charging via. sustainable/renewable energy systems, batteries energy management, converters for the design of green energy systems like solar, biofuel, etc. along with hands-on lab sessions in design, analysis and control of battery operated and hybrid Solar, Biofuel, technologies. The FDP acquaints the faculties' about the recent trends in green technology researches and its effect on the energy efficiency of the system along with the impact on environment. The FDP will cover many topics discussed by renowned faculties from IITs and NITs in the field of green technology and its applications.

Course Objectives

To enrich the participants with

- ✓ Green technology for Indian perspective
- ✓ Sustainable Energy technologies
- ✓ Bio-energy systems
- ✓ Wind, and solar integration in competitive power markets
- ✓ Demand side management

- ✓ Green buildings
- ✓ Green technology based EV
- ✓ Grid integration of Renewable Energy Sources

Tentative Speakers

- ✓ Dr. H N Chanakya, Chief Research Scientist, IISC Bengaluru
- ✓ Dr. Sukumar Mishra, Professor, IIT Delhi
- ✓ Dr.B.S Negi, Adviser,Scientist G Ministry of New and Renewable Energy
- ✓ Dr. G. N. Tiwari- President, BAG Energy Research Society and former IIT Delhi Professor
- ✓ Dr. Rohit Bhakar - Associate Professor, MNIT Jaipur
- ✓ Dr. Prashant Kumar Tiwari- Assistant Professor, MNNIT Allahabad
- ✓ Dr. Kushal M Jagtap - - Assistant Professor, NIT Srinagar
- ✓ Dr. Balamurugan – Assistant Engineer at TANGEDCO
- ✓ Dr. Ganeshjayarraj, SE, TANGEDCO,
- ✓ Dr. Raguram Arjunan ,Co-Founder & Director of Operations at Cares Renewables
- ✓ Dr. Sooraj V ,Senior Engineer at Tata Elxsi
- ✓ Varun Upadhayay , The Art of Living (TAOL)
- ✓ Dr. Nidul Sinha – Professor , EED, NIT Silchar
- ✓ Dr. Sreejith.S - Assistant Professor, EED, NIT Silchar