

About The Institution

Haldia Institute of Technology (An Institute of ICARE, Haldia, Approved by AICTE, Affiliated to WBUT) began its journey in the year 1996. It is the first private and accredited academic institution catering technical education in West Bengal. The Institute is situated at Haldia – an industrial hub in Eastern India. Since inception, Haldia Institute of Technology is dedicated to the objectives of creating highly trained professional manpower in various disciplines of Engineering, Technology and Social Science. The Institute is also dedicated to the contribution of higher scientific research in Technology as well as in Applied Science and Social Science. The institute offers 4 years UG (B. Tech) degree courses in EE, ECE, AEIE, CE, ME, IT, CSE, Chemical, Biotechnology, Cyber Security, Data Science and AI & ML. It also offers PG courses in Chemical, CSE, ECE, BT, ME, MBA and MCA. It has been accredited with grade A by NAAC and all of the departments are NBA accredited. The institute has received the prestigious NIRF ranking by MHRD and holds second position among all the private engineering institutes in West Bengal.

About The Department

The Department of Electrical Engineering has been offering undergraduate course in Electrical Engineering since 2002 and is accredited by NBA. Within a very short span of time, the department has created an excellent learning environment with dedicated young faculty members, technical staff, excellent laboratories and innovative academic processes. In order to perform the complex functions in modern applications of Electrical Engineering, the department has a well combination of hardware and software facilities. The department provides students with modern hardware facilities like PLCs, Synchronization of Alternator, SPWM Drives, FPGA based data acquisition system, Machine fault simulator etc. At the same time department also provides computational facilities with MATLAB, PSPICE, PSCAD, PSIM etc. The department also supports IEEE HIT Student branch which is a wing of IEEE Kharagpur Section (IITKGP). Currently, the sanctioned intake for the UG course is 120. The faculties are engaged in active research and special emphasis is given to involve students to give them a first hand experience of research methodologies. The students of the department have been placed in HPL, CTS, WIPRO, INFOSYS, Tata Power, CESC, Electricity utilities of various State Governments and numerous electrical project companies. Many students are also pursuing higher studies and PhD in Indian and foreign universities.

Honourable Speakers



Dr. Kaushik Das Sharma: Professor, Electrical Engineering Section, Department of Applied Physics, University of Calcutta



Dr. Ritula Thakur: Associate Professor, Electrical Engineering Department, NITTTR Chandigarh



Dr. Soumya Kanti Manna: Lecturer (Design Engineering), Program Director (Bio-Medical Engineering), School of Engineering, Technology and Design, Canterbury Christ Church University, United Kingdom



Dr. Paramita Chattopadhyay: Associate Professor, Electrical Engineering Department, IEST, Shibpur



Dr. Debasis De: Faculty of Energy Institute, Bengaluru (Centre of Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi)



Dr. Alok Ranjan Verma: Assistant Professor, Dept. of Electrical Engineering, IIT Kanpur



Dr. Aniruddha Bhattacharya: Assistant Professor, Electrical Engineering Dept., NIT Durgapur



Dr. Sandip Ghosh: Associate Professor, Department of Electrical Engineering, IIT BHU



Dr. Chetna Singhal: Assistant Professor, Dept. of Electronics and Communication Engineering, IIT Kharagpur

Important Dates

Last date for submission of Application: **11th August 2020**
Confirmation will be sent to registered Email-ID

Who May Attend?

The faculty members working in any institution approved and recognized by AICTE and State Council/State Bodies.. Seats are limited, registration will be on first come-first serve basis.



HALDIA INSTITUTE OF TECHNOLOGY

One Week Faculty Development Programme

On

Sustainable Technology- Innovation and Foundation for Future (STIFF -2020)

Date: 12th - 16th August, 2020

Organized by



Department of Electrical Engineering Haldia Institute of Technology

(An Autonomous, NAAC Accredited Grade 'A' Institute,
affiliated to Maulana Abul
Kalam Azad University of Technology)



About The FDP

The outbreak of COVID-19 has been impacting millions of people and threatening their life worldwide. Lockdown is one of such measures to slowdown spreading of the virus. The educational system has been greatly affected in this lockdown since middle of the March, 2020. It is still an uncertainty for opening of the educational institutions due to worry of wide-spreading COVID-19 in the educational community. However, learning and research activities should not stop. The world must move toward a more sustainable future. Assessing macro trends and advances can help identify new opportunities for innovation in this field.

In this scenario, a 5 day Faculty Development Program (FDP) on “SUSTAINABLE TECHNOLOGY - INNOVATION AND FOUNDATION FOR FUTURE” is organized from 12th – 16th August, 2020. The aim of this Program is to provide a platform for faculties of technical institutions to understand the recent research developments and to explore future trends in various areas of Sustainable Technology. It will also bring together both novice and experienced scientists and developers, to explore newer scopes, collect new ideas and establish new cooperation between research groups and exchange ideas, information, techniques and applications in the field of SUSTAINABLE TECHNOLOGY.

Outcome of the Program

- ❑ Assist the Faculty members to update themselves about future technologies which will help build the foundations of future aspirants
- ❑ Impart knowledge about the different aspects and advances of sustainable technology development in Engineering.
- ❑ Develop understanding of the recent developments in renewable energy technology.
- ❑ Educate about the development of next generation wireless networks.
- ❑ Recognition of the impact of smart meters in electrical power system.
- ❑ Enable faculty members to identify areas to carry out research in sustainable technology development.

Programme Schedule

DATE	EVENT	TIME
12.08.2020	Inauguration – Honourable Chairman Dr. Lakshman Chandra Seth	03:00 PM – 04:00 PM
	“ Cyber Resilient Image Transmission Technique” – Prof. Kaushik Das Sharma	04:30 PM – 06:00 PM
13.08.2020	“Real Time Simulation of FACTS Devices” – Dr. Ritula Thakur	11:00 AM – 12:30 PM
	“Concurrent and Prospective Solutions in Healthcare Sector to Contain the Impact of COVID-19” – Dr. Soumya Kanti Manna	4:30 PM – 06:00 PM
14.08.2020	“Recent Advances in Measurement Techniques for High Voltage Insulation : Theory and Case Study – Dr. Alok Ranjan Verma	11:00 AM – 12:30 PM
	“Solar Cell Technology” – Dr. Debasis De	03:00 PM – 04:30 PM
15.08.2020	“Energy, AI and Sustainability” – Dr. Paramita Chattopadhyay	11:00 AM – 12:30 PM
	“Aspects to consider for allocation of Electric Vehicle charging stations in an electrical distribution network” – Dr. Aniruddha Bhattacharya	03:00 PM – 04:30 PM
16.08.2020	“Multivariable PID control using LMIs” – Dr. Sandip Ghosh	11:00 AM – 12:30 PM
	“The next generation wireless networks(5G/6G): Trends and Challenges” – Dr. Chetna Singhal	03:00 PM – 04:30 PM
	Valedictory Session	

Online Platform: GOOGLE MEET

Registration Link: <https://forms.gle/xnKkcdXNBovPLRjT9>

No Registration Charges

Contact Person

- **Dr. Pratyay Konar**, Associate Professor, Dept. of EE, HIT
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- **Dr. Santigopal Pain**, Associate Professor, Dept. of EE, HIT
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Chief Patron



Dr. Lakshman Chandra Seth
Chairman, ICARE

Advisory Committee

- **Sri Sayantan Seth**, Vice Chairman, ICARE
- **Sri Asish Lahiri**, Secretary, ICARE
- **Dr. Manabendranath Bandopadhyay**, Director, HIT
- **Dr. Asit Kumar Saha**, Principal, HIT
- **Dr. Anjan Mishra**, Registrar, HIT
- **Dr. Tarun Kanti Jana**, Dean, School of Engineering, HIT

Convenor

- **Dr. Dilip Dey**, Professor and HoD, Dept. of EE, HIT

Coordinators

- **Dr. Santigopal Pain**, Associate Professor, Dept. of EE, HIT
- **Dr. Pratyay Konar**, Associate Professor, Dept. of EE, HIT
- **Mr. Ayandeep Ganguly**, Assistant Professor, Dept. of EE, HIT

Organizing Committee

- **Dr. Partha Sarathi Das**, Associate Professor, Dept. of EE, HIT
- **Mr. Sandip Kumar Ojha**, Assistant Professor, Dept. of EE, HIT
- **Mr. Goutam Das**, Assistant Professor, Dept. of EE, HIT
- **Mr. Sourav Kumar Das**, Assistant Professor, Dept. of EE, HIT
- **Ms. Piya Roy**, Assistant Professor, Dept. of EE, HIT
- **Mr. Nayan Manna**, Assistant Professor, Dept. of EE, HIT
- **Mr. Saubhik Maulik**, Assistant Professor, Dept. of EE, HIT
- **Ms. Alpana Barman**, Assistant Professor, Dept. of EE, HIT
- **Mr. Shouvik Mondal**, Assistant Professor, Dept. of EE, HIT
- **Mr. Souvik Dutta**, Assistant Professor, Dept. of EE, HIT
- **Mr. Asit Kumar Mondal**, Assistant Professor, Dept. of EE, HIT
- **Mr. Debashish Maji**, Assistant Professor, Dept. of EE, HIT
- **Mr. Bangshidari Samanta**, Assistant Professor, Dept. of EE, HIT
- **Mr. Vikash Ranjan**, Assistant Professor, Dept. of EE, HIT