

REPORT OF WEBINARS ORGANISED BY CENTRES / FORA

Name of the Centre / Forum		Durgapur Local Centre	
Title of the Webinar:		National Faculty Development Programme on “Recent Advancement in Electrical Engineering” (RAEE 2022)	
Under the aegis of which Divisional Board:		ELDB	
Program Date:	19/08/2022 to 23/08/2022	Program Time:	10:30 AM onwards
Associate organization (if any):		Department of Electrical Engineering, Internal Quality Assurance Cell (IQAC), Haldia Institute of Technology	
No. of Participants logged in		102	

Report of Webinar

The Institution of Engineers (India), Durgapur Local Centre, conducted a five days **National Faculty Development Programme on “Recent Advancement in Electrical Engineering”** under the aegis of **Electrical Engineering (ELDB)** through online mode jointly with **Department of Electrical Engineering, Internal Quality Assurance Cell (IQAC) Haldia Institute of Technology**.

On the first day, in inaugural session the Honourable Delegates from Haldia Institute of Technology and The Institution of Engineers (India), Durgapur Local Centre took part.

Dr. Subrata Mondal, Principal, Haldia Institute of Technology addressed the gathering, said that the aim of the program is to provide a platform for faculties/researchers of Technical Institutions to understand the recent research developments, entrepreneurships and to explore future trends in various areas of Electrical Engineering and its applications.

Er Safikul Islam, Chairman, IEI, Durgapur Local Centre delivered welcome & presidential address. He highlighted that the Faculty Development Programmes (FDPs) on various areas of Engineering specialization and Engineering Pedagogical programmes the AICTE, NBA and NAAC have recognized all the short-term training programmes conducted by HIT for consideration for the purpose of Institutional development, departmental growth and movement to higher grades under the Career Advancement Scheme of the faculty members.


Dr. Tarun Kanti Jana, Dean, Convenor-IQAC, Haldia Institute of Technology in his address encouraged the faculty members for such activities and emphasized on the benefits of such kind of resourceful events. He also gave his best wishes and shown support for this program.

Dr. Dilip Dey, Head of the Department, Electrical Engineering, Haldia Institute of Technology, said, the program provided excellent opportunities to exchange ideas on technical sessions. The sessions of this FDP were conducted by the team of eminent academicians and industry experts possessing in depth of knowledge in the area of recent development in Electrical Engineering. It consists of series of lectures and practical sessions.


Prof H B Goswami, Past Chairman, IEIDLC & Former Council Member, IEI in his address said, Electrical energy has grown immensely over two centuries because of flexibility it provides for its use. The variety of use has led its demand to increase monotonously. However, as the load or demand has increased practically one requirement is consistent, i.e. to generate the amount required by the load at every instant because this large amount cannot be stored for delivering this high amount of demand.

At the end of the inaugural session, Er M Majumder, Honorary Secretary Durgapur Local Centre proposed the vote of thanks.


Day: 1 Panellist No. 1

Name: Dr. Mrinal Kanti Sarkar	
Designation: Assistant professor. Electrical Engineering Department National Institute of Technology, Manipur.	
Dr Sarkar talked on sliding mode controller design and simulation for DC to DC converter. The lecture was interactive with question answer session.	


Day:2 Panellist No. 2

Name: Dr. Kalyan Kumar Mistry	
Designation: Principal scientist, Energy research and Technology, CSIR-Central Mechanical Engineering Research Institute.	
Excerpts of deliberation: Dr Mistry delivered lecture on Sensor Electronics devices and its recent industrial automation application. The session was very fruitful. A session with full of knowledge, full of technical information.	

Day: 3: Panellist No. 3

Name: Dr. D V Rajan	
Designation: Deputy Chief Engineer (Electrical), Durgapur Steel Thermal Power Station, Andal	
Excerpts of deliberation: Dr Rajan talked on Energy Transition- issues and challenges on grid stability for sustainable development. The lecture was fruitful with full of industry-academic interaction.	

Panellist No. 4

	
Name: Mr. Koushik Dey	
Designation: Sr. Divisional Engineer (Electrical), DVC	
Excerpts of deliberation: Mr Koushik Dey deliberated on Introduction to the Industrial turbo generator. The session was interactive session with examples of case study.	

Day: 4: Panellist No. 5

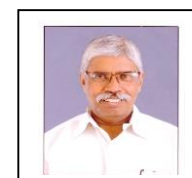


Name: Dr Kamalika Tiwari

Designation: Assistant professor, Electrical Engineering Department Dr. B C Roy Engineering College Durgapur

Excerpts of deliberation: Dr Tiwari talked on Artificial senses. In her lecture she pointed out the food quality analysis using electronic nose, electronic tongue etc. She thoroughly discussed the technique of food quality analysis using artificial senses and computing devices.

Panellist No. 6



Name: Prof. Himansu Bikas Goswami,

Designation: Past Chairman & Former Council Member, The Institution of Engineers (India), Durgapur Local Centre & former Professor, Electrical Engineering Department, DIATM Rajbandh

Excerpts of deliberation: He delivered a lectures on Recent Trends in Electrical Engineering. He focusses on the topics where research is in full swing. He also discussed on how electrical research is going on with the application of other domains like artificial intelligence.

Day:5: Panellist No. 7



Name: Dr. Alok Ranjan Verma

Designation: Assistant professor, Electrical Engineering Department, Indian Institute of Technology, Kanpur

Excerpts of deliberation: Dr Verma talked on Recent Advancement of Measurement Techniques in electrical systems. In his lecture he discussed the process of image processing etc.

**Details of Moderator:**

Name: Dr. Partha Sarathi Das

Designation: Associate Professor, Electrical Engineering Department, Haldia Institute of Technology and Associate Member, The Institution of Engineers (India).

Credential in Brief:

Dr Das completed his PhD from IIT (ISM), Dhanbad and M.Tech from NIT, Durgapur, in Electrical Engineering. He has more than Sixteen years of teaching and more than one year industrial experience. He has many publications in reputed journals and conferences. He serves as reviewer of many journals, conferences like IEEE transactions, Taylor and Francis etc. He is member of different institutions in India and abroad like, The institution of Engineers (India), The Institution of Electronics and Telecommunication Engineers etc. He is **Executive committee (EC) Member** Burdwan sub centre IETE (Institution of Electronics and Telecommunication Engineers) (2022-24). Dr. Das participated and organized many seminars, webinars and Faculty Development Programs. A good academician, researcher in the field of electrical engineering.

Comments of Moderator and Recommendation:

The five day National Faculty Development Programme “**Recent Advancement in Electrical Engineering**” jointly organized by The Institution of Engineers (India), Durgapur Local Centre and Haldia Institute of Technology, Electrical Engineering Department, IQAC, Haldia Institute of Technology is a very successful one with participants from different parts of India.

After the presentations by all the seven esteemed Panellists, Dr. Partha Sarathi Das placed the summary of the presentations. Dr Das mentioned that the presentations given by the Panellists in their respective fields are research & industry based, having immense in-depth knowledge and basic information, which is definitely very useful for the participants. Many ideas regarding entrepreneurships development were focussed by those interactive sessions,

The Panellists dealt with the topics that the webinar turned into as very precise, well interactive, and enriched session with various ideas of emerging research trends, entrepreneurships development in electrical engineering.

The programme was ended with the vote of thanks by Dr Partha Sarathi Das, Coordinator, National Faculty Development Programme “**Recent Advancement in Electrical Engineering**”.