I. FACULTY DEVELOPMENT PROGRAMME ON "PEDAGOGY OF ELECTRICAL ENGINEERING - PREVAILING PROBLEMS AND PROSPECTIVE SOLUTIONS"

Venue: Management House, IEM Kolkata
Date-22-26th July, 2019

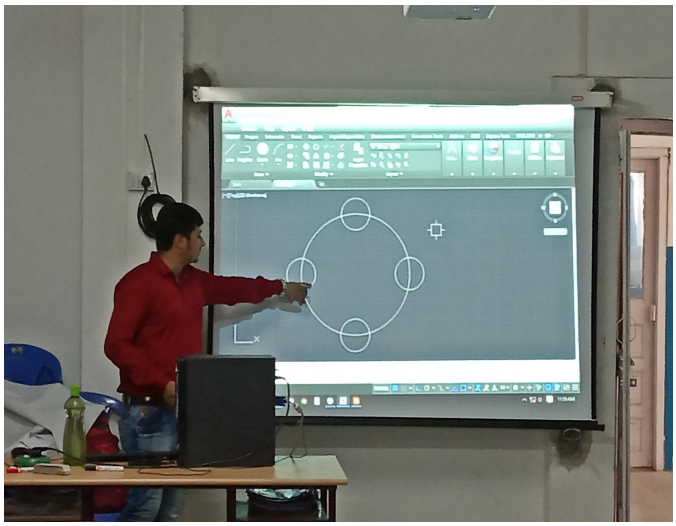
FDP on "Pedagogy of Electrical Engineering - Prevailing Problems and Prospective Solutions" from 22/7/19 to 26/7/19 was organized by EE department in association with IEM HRDC at CII auditorium. Faculties of EE, EEE,ME and BSH attended the FDP. The schedule was as follows.

DATE	NAME OF THE PROFESSOR	UNIVERSITY/ INSTITUTE
22-07-2019	Prof Sujit Biswas	J.U.
23-07-2019	Prof Sugata Munshi	J. U.
24-07-2019	Prof Debasish Chatterjee	J. U.
25-07-2019	Prof Gautam Bandopadhyay	IIEST
26-07-2019	Prof T. K. Ghoshal	J.U.

II. WORKSHOP ON ELECTRICAL DRAWING IN AUTOCAD

Venue: Management House, IEM Kolkata
Date-3rd August, 2019

A workshop was organized by EE department in association with CADD Centre, Laketown. Students of EE and EEE department attended the workshop. The training included the basics of AutoCAD along with a briefing of its usabilities, minute details about the AutoCAD Electrical toolbar, Handling 2D models, creation of circuit diagrams, working conditions and specifications on symbols. There was a focussed design oriented talk over the session. With a firm grip over 2D drawing, the discussion shifted over to the introduction of more sophisticated 3D modelling structures such as transformers.



III. SEMINAR ON PREPARATION FOR COMPETITIVE EXAMS

Venue: Management House, IEM Kolkata
Date-6th August, 2019

Seminar on preparation for competitive exams was delivered by Agni Mitra, I F S, Regional Deputy Director, Wildlife Crime Control Bureau, Ministry of Environment, Forests & Climate Change, Govt of India. The seminar was attended by B.Tech. students of IEM KOLKATA.

IV. Conference on Recent Advances in Energy Management and Renewable Energy (IEM Renewable Energy - 2019)

Venue: Management House, IEM Kolkata
Date- 14th - 15th September 2019

International Students' Congress on Recent Advances in Energy Management and Renewable Energy (IEM Renewable Energy - 2019) was held at Institute of Engineering & Management, Kolkata, on 14th - 15th September 2019. The students congress is organised in collaboration with SOLAR ENERGY SOCIETY OF INDIA. IEM Renewable Energy- 2019 aims to provide a platform for students to get an idea about the cutting edge technology in the field of Renewable Energy and Energy Management. The students will get an exposure to interact with the industry persons with the latest emerging technologies in the fields of Renewable Energy, Energy Management & Storage, and Renewable Energy Integration with Smart Grid etc.

Program Commitee

Chief Patrons

- Prof. Dr. Satyajit Chakabarti, President, IEM Kolkata
- Mr Prafulla Pathak, President,SESI

Patrons

- Prof. Dr. Satyajit Chakabarti, Director, IEM Kolkata
- Prof Dr S.M.Ali, Vice-President,SESI
- Prof. Dr. Amlan Kusum Nayak, Principal, IEM Kolkata
- Prof. Dr. Ashish Malik, Secretary General, SESI

Conference Chair

Prof. Dr. Arun Kumar Bar, IEM Kolkata

Convenor

- Prof. Dr. Madhumita Pal, IEM Kolkata
- Prof. Dwaipayan De, IEM Kolkata
- Prof. Avishek Ray, IEM Kolkata

Co-Convenor

- Prof. Somnath Hazra, IEM Kolkata
- Prof. Gunjan Kumar, IEM Kolkata.

Organizing Commitee

- Prof. Joydip Ray, IEM Kolkata
- Prof. Ayan Kumar Panja, IEM Kolkata
- Prof. Debashis Jana, IEM Kolkata
- Prof. Ankit Ray Ghatak, IEM Kolkata
- Prof. Swetadri Ghosh, IEM Kolkata
- Prof. Dr. Ruchira Mukherjee, IEM Kolkata
- Prof. Dr. Tina De , IEM Kolkata
- Prof. Rajat Subhra Pal, IEM Kolkata
- Prof. Arijita Das, IEM Kolkata
- Prof. Pooja Joshi, IEM Kolkata
- Prof. Nikesh Kumar Singh, IEM Kolkata
- Prof. Ranjita Choudhury, IEM Kolkata

,

V. Conference on Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER - 2019)

Venue: Management House, IEM Kolkata
Date-21-23rd November, 2019

Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER - 2019) was organized by Institute of Engineering & Management, Kolkata, was held at S. N. Bose National Centre for Basic Sciences in the month of November 2019. IEMPOWER - 2019 aims to provide a premier platform for Electrical, Electronics and Computer engineers. Mechanical researchers, scientists and academician from universities, research organizations and industries to present their work and to share experiences and ideas in the emerging areas such as Renewable Energy, Energy storage, Power Electronics & drives, Smart devices and communication systems,Mechanical domains, Artificial Intelligence, Mechatronics & Robotics, Control and automation etc.

VI. PEDAGOGY OF ELECTRICAL AND ELECTRICAL & ELECTRONICS ENGINEERING— PREVAILING PROBLEMS AND PROSPECTIVE SOLUTIONS

Venue: Management House, IEM Kolkata
Date-Feb 24-Mar 6, 2020

DAY 1:
On 24th February, 2020, first day of the 5 days FDP, the session was carried out by Prof. Ranjit Kr. Barai, Jadavpur University. His topic of lecture was "Mechatronics Design of Robotic Systems". The session started from 4pm.

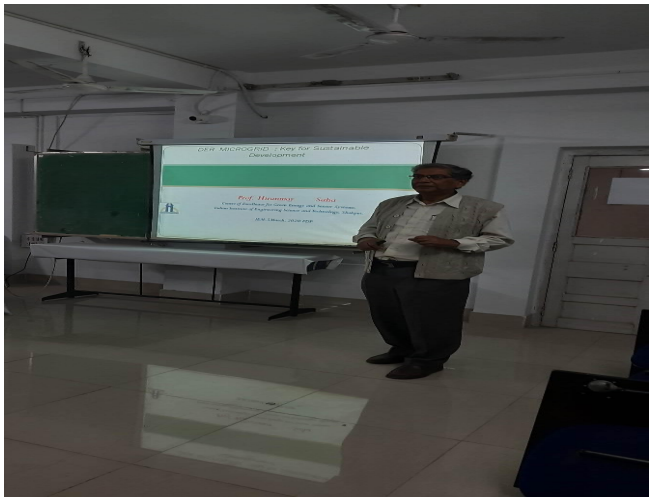
DAY 2:
On 26th February, 2020, second day of the 5 days FDP, the session was carried out by Prof. Ananda Shankar Chowdhury, Jadavpur University. His topic of lecture was "Artificial Intelligence and Machine Learning". The session started from 4pm.

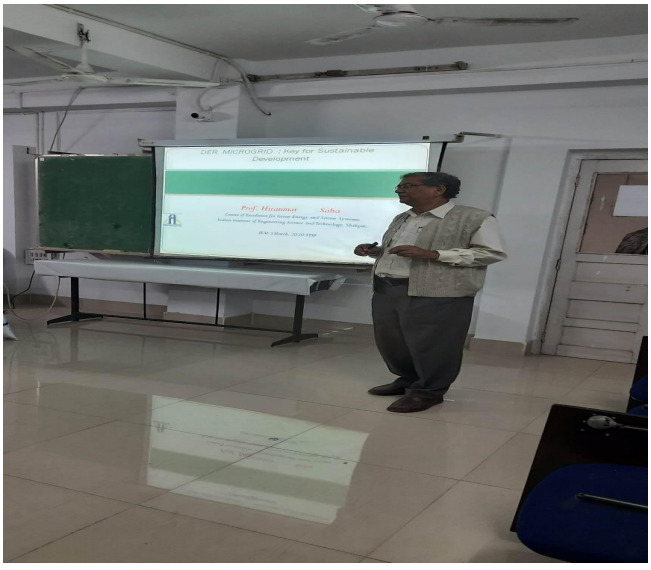
DAY 3:

On 3rd March, 2020, third day of the 5 days FDP, the session was carried out by Prof. Amlan Chakrborty, Calcutta University. His topic of lecture was "Medical Analytics". The session started from 4pm.

DAY 4:

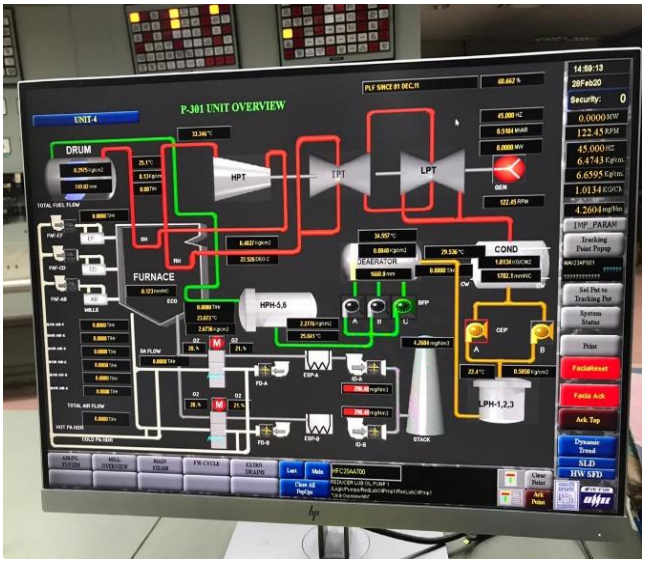
On 5th March, 2020, fourth day of the 5 days FDP, the session was carried out by Prof. Hiranmay Saha, IIEST, Shibpur. His topic of lecture was "Smart Micro Grid and Renewable Energy". The session started from 4pm.





DAY 5:

On 6th March, 2020, fifth day of the 5 days FDP, the session was carried out by Prof. Sheli Sinha Chaudhuri, Jadavpur University. Her topic of lecture was "Image Processing and Robot Vision". The session started from 4pm.



VII. INDUSTRIAL VISIT

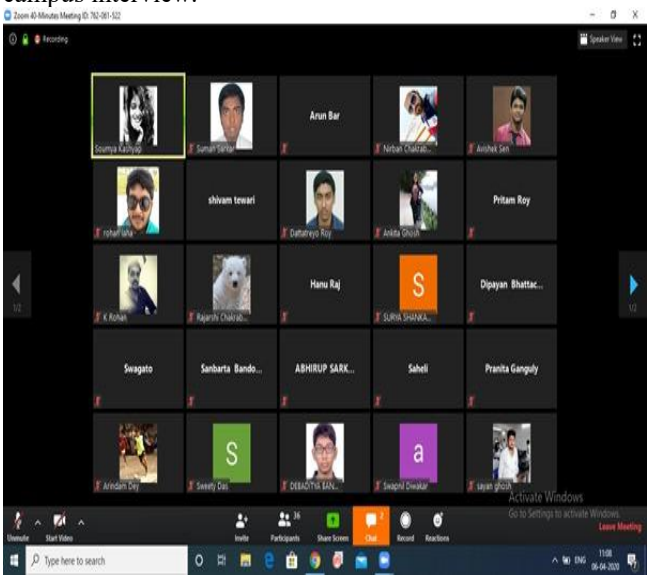
Venue: Mejia Thermal Power Plant (MTPS) under Damodar Valley Corporation (DVC)
Date-Feb 28, 2020
Type of Industry: Thermal Power Plant (generation) [2340 MW = {(210*4) + (250*2) + (500*2)} MW]

We had organized a one day industrial visit for the EEE 3rd year student (attendance was 50 out of 59 student) in MEJIA THERMAL POWER PLANT (MTPS) under DAMODAR VALLEY CORPORATION (DVC). Students where very much excited after the visit, they get to know about the different control strategies applied in the thermal power plant. Also able to see the working operation of the different alternator, transformer, motors and gathered lots of practical knowledge from the industry experts.

VIII. TRIMENTORING SESSION

Venue: Management House, IEM Kolkata
Date-April 20, 2020
Speaker: **Somuya Kashyap (2019 pass out batch)**
Designation: Associate System Engineer in IBM

We had organized an online trimentoring session for the pre final year students, where they have communicated with their seniors regarding their future scope in the industry and also acquire some knowledge about the preparation for the campus interview.

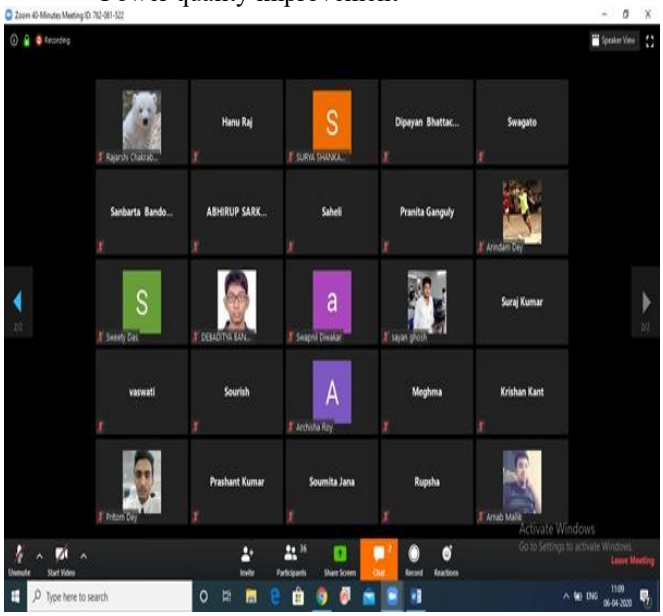


IX. IET ON CAMPUS DRIVE ON SMART GRID

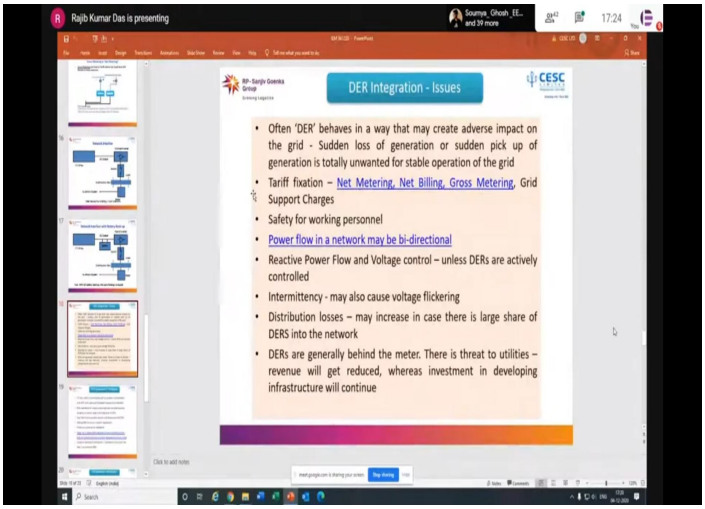
Venue: Management House, IEM Kolkata
Date-April 14, 2020
Topic: Roles and Challenges of Prosumers in Smart Grid Area

Prosumers are those who produce and consume at the same time.Recently electrical engineering is going through a vast change which results in fact that renewable energy is coming into use. Here the grid acts as a prosumer as it injects electricity and at the same time it supplies to the consumers. The advantages of this method are:-

- Peak Power Management
- Power quality improvement



- Power Purchase Cost



X. IEEE IEM SB - POSTER COMPETITION

Venue: Management House, IEM Kolkata
Date-November 11, 2019
Topic: Recent Trends on Photonics

Poster making competition organised by IEEE IEM SB was followed by a keynote speech which was delivered by Ex-chairmen IEEE photonics society kolkata chapter. The competition was judged by the photonics society also.

XI. DISTINGUISHED LECTURE SERIES

Venue: Management House, IEM Kolkata
Date-June 22, 2020

Topic: Understanding human faces: handcrafted features to deep features