

IEEE-Kolkata Section-report of events held during the period- July-September 2020 for October 2020 issue of the India Council Newsletter.

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- **IEEE International Conference in Convergence of Engineering, ICCE-2020** was organized by IEEE PES Chapter Kolkata Section in association with **Netaji Subhash Engineering College** during **5th-6th September 2020** through virtual Platform AIRMEET. Total Number of participants were **548**.



Dr.H.K.Mandal, Patron ICCE-2020 delivered the welcome speech . Mr.Deepak Mathur, Director Elect R10 was the chief guest, he delivered very insightful inaugural address outlining the present technological revolution and appreciated the effort in organizing ICCE-2020 in this pandemic situation. Prof.S.N.Singh, Chair IEEE India Council, Mr. Sanjay Kar Chowdhury, Chair,IEEE Kolkata Section, Prof. Anupam Basu, Director, NIT Durgapur, Prof. Dhruvajyoti Chattopadhyay, VC,SNU, Dr. Sanku Bose GCEO,TIG were the Guest of Honour. Prof.(Dr.)Tirthankar Datta General Chair ICCE-2020 delivered the vote of thanks.

There were four major engineering tracks: a) Electronics & Communications Engg. b) Electrical Engg. c) Computer Science and IT d) Interdisciplinary where 240 valid submissions of technical papers were done. After rigorous reviews and registration, final 97 camera-ready papers were granted for oral presentation . This implies an acceptance ratio of 40.41%. ICCE-2020 was a grand success as 100% papers were presented.

In ICCE-2020 there was excellent deliberations by leading academicians, scientists, researchers and Industry stalwarts from all over the globe. A total 52 sessions include 7 Key-note addresses, 12 Plenary sessions, 8 Special sessions, 6 workshops & Tutorial sessions, 2 Industry

Panel Discussions, 1 Students' Panel Discussion and 16 Interactive technical sessions were organized concurrently in six virtual auditoriums.

Renowned speakers from top notch institutes of India and abroad viz. Imperial College of London, Staffordshire University, UK, University of Tennessee, USA, Kennesaw State University, Florida, Vanderbilt University, USA, IISC Bangalore, IIT Kanpur, IIT KGP, IIT Delhi, IIT Roorkee, IIT Guwahati, IEST, JU, CU, IPRE, IIT-ISM Dhanbad, ISRO, SAMEER, NIT Durgapur, NIT Nagpur, NIT Kalikat, NPI, Mexico, UEST, China, BUET, Bangladesh etc. delivered sessions.

In the **Industry Panel Discussion** there was presence of industry stalwarts from top-notch industries viz. Exide Industries, PWC, CERNER Corporation, Data Science Foundation, Elect. Castings Ltd., CESC Ltd, ITC Infotech, Aditya Birla Group, ABP Ltd, Crossways IT Ltd. Bangladesh, Earnest & Young, Ideation Technology Solutions Ministry of IT & Electronics, Govt. WB, NASSCOM, WEBEL, and Jupiter Wagons Group etc.

- A **Student Panel Discussion** on the “Convergence in the field of Industry and Engineering” was organized by IEEE ICCE2020 , digitally partnered by Teamcognito and Moderated by Mr. Sanket Sarkar (CEO at Teamcognito) with Ritwick Ganguly, Former Virtual Intern at J.P Morgan, Rishiraj Acharya, Summer Faculty at Stanford Online; Debparna Pratiher, Product Manager at Nvidia and Souptik Dey, researcher in IoT and Machine Learning. It was a very thoughtful and informative discussion about convergences of technological ideals coming together for a new solution to make life easier.



- On **5th September 2020**, 5:45pm-6:45pm, **COMSOC Kolkata Chapter** in association with **Netaji Subhash Engineering College** organized an **Industry Panel Discussion in ICCE-2020** . Topic of the discussion was “**In this global pandemic situation of COVID 19, AI & ML: Miracle or Menace.**”



COMSOC chairman Mr.Pallab Ganguly, chaired the session and was moderated by Mr. Subhamoy Chakraborti , CIO, ABP Pvt Ltd. The other panelist were Mr. Sanjay Das, Jt.Secretary, Ministry of IT & Electronics, Govt.of West Bengal, Mr.Sanjay Prasad, CIO,CESC Ltd., Mr. Partha Sengupta, Senior VP ,ITC Infotech, Mr. Sourav Das, CIO, Essel Mining & Industries, Aditya Birla Group and Ms. Soma Ghosh, Senior Security Analyst, CERNER Corporations. It was a very thoughtful and informative discussion and the audience enjoyed it thoroughly

Online Platform used: AIRMEET; Attendees: 112.

- On **4th August 2020**, 5:30pm-7:00pm, **PES Kolkata Chapter** organized a **Distinguished Lecturer Program Webinar** on **“Energy Efficiency In Smart Buildings Through Iot Sensor”** by Prof. Saifur Rahman Joseph R. Loring professor of electrical and computer engineering at Virginia Tech, USA.

Online Platform used: Cisco Webex
Attendees: 125.



- On **20th August 2020**, 5:30pm-7:00pm, **PES Kolkata Chapter** organized a **Distinguished Lecturer Program Webinar** on **“Dynamic Estimation And Control Of Power System”** by Prof. Bikash C Pal Professor, Department of Electrical and Electronic Engineering, Imperial College London, London, U.K.

Online Platform used: Cisco Webex
Attendees: 106.



- On **25th July, 2020, Saturday**, 3:30 PM to 5.30 PM, **DEIS Kolkata Chapter** organized a Webinar on **“Remote Monitoring of High Voltage Insulators”**. Speaker was Prof. Sivaji Chakravorti, Director, NIT Calicut. A large number of interested Students and Researchers, Professionals from Academics and R&D Institutes, Professionals from Industries took part in this online lecture.

Online Platform used: Cisco Webex
Attendees: 128.

- On **29th July 2020 Wednesday**, 10:00 AM - 5:00 PM, **DEIS Kolkata Chapter** organized a Webinar on **“Smart Grid in the 21st Century”**. Speaker was Prof. Akhtar Kalam, Victoria University, Australia.

Online Platform used: Cisco Webex
Attendees :103.

- On **20th August 2020**, 4 Pm onwards **WIE Chapter Kolkata Section** organized an online Interactive Session with a psychiatrist and also with a career counselor to address the needs of the students to speak to a counselor in this distressing times as well as to provide a platform to them to discuss their career related questions. The event was targeted towards the students of class XI, XII- and first-year undergraduate students. The online event saw participation from

Kolkata and its adjoining districts. Students from Lady Brabourne College, Bethune college, Auxilium Convent, Techno India Group public School Hooghly, to name a few had participated in the event.

The two interactive sessions are briefly described below:

1. Event with Psychiatrist:

Topic Name: "**Pandemic Effect on Teenagers: How to deal with it**" by Dr. Aratrika Sen

Mental Health of students during lockdown due to COVID -19 is a serious issue in today's perspective. So IEEE WIE Kolkata chapter organised an online interactive discussion program with the students to counsel them in this hours of crisis. Dr. Aratrika Sen, Psychiatrist discussed with the attendees the need to stay positive at this hour. She also stressed on not keeping pent up feelings but to discuss with parents, peers, teachers or even psychologists. Dr. Sen graciously shared her contact details for the students to connect with her in this hour of duress. The one-hour long session spilled over and the speaker happily answered the queries of the participants ranging from high school students to senior Faculty members.



Program-1

2. Event with Career Counselor

Topic Name: "**চৌগাভরা বাদাম ভাজা**" by Mrs Sujata Chatterjee

The second interactive session was with Career Counselor Mrs Sujata Chatterjee. Mrs. Chatterjee a trained engineer described how it is important for one to focus on one's dreams. She urged the students to not lose hope during the pandemic times and stressed on arming oneself with proper educational qualifications before taking plunge into the professional world. She answered with ease the various queries like need for a degree to start entrepreneurship or is humanities career rewarding, to name a few. The talks was successful as was evident from the endless questions from the attendees.

Attendees: 100



Program-2

- **How Secretary,IEEE Kolkata Section dealt with the COVID19 situation at his workplace or within the activities of the respective sections.**

Dr.Debangshu Dey

Secretary, ICCE Kolkata Section

At IEEE Kolkata Section, all the activities including official meetings are organized following the guideline issued by the Government of India, Indian Council of Medical Research (ICMR), Local administration and the World health organization (WHO). Activities are prioritized and all non-essential activities including travel are restricted. Activities are made almost paperless and non-contact as much as possible. Above all, we tried to spread information to stay safe without panic and to continue our activities maintaining "physical distancing" but being "socially and mentally connected" accepting the "New Normal". We've also looked for opportunities to support high priority needs in the context of COVID 19 outbreak.