The Institute of Electrical and Electronics Engineers

IEEE CAS Society, Student Branch Chapter

Institute of Engineering & Management, Salt Lake Electronics Complex, Kolkata - 700091

Report on extempore contest organized by Institute of Engineering & Management IEEE Circuits and Systems Society Student Branch Chapter

Submitted By: **Mili Sarkar (The Student Branch Chapter Advisor)**

Institute of Engineering & Management IEEE Circuits and Systems Society Student Branch Chapter has organized one extempore contest on 7th September,2017 from 11am to 1.00pm in association with IEM IEEE WIE student Branch chapter.

The topic for the contest was **"Nanotechnology in Electronics"**.Five students have participated in the contest. The contest were judged by two renowned professors of Jadavpur University, **Prof. Salil Kumar Sanyal and Prof.Sudipta Chatterjee.**

The program was organized in IEM Gurukul Campus language Lab , Salt Lake, Sector V.

Photo Gallery

Inauguration of the IEM IEEE CASS student branch Chapter by giving water in a plant.

Abhranila Das of 4th year ECE is hosting the program

Prof. Salil Kumar Sanyal is delivering his valuable speech regarding different activities of IEEE CASS student branch chapter

Students are participating in the extempore contest.

Sagar Choudhary of 2nd year ECE student won the contest.

Vote of Thanks given by Prof.K.K. Ghosh

Students from ECE and EE Department have participated in the program.

Organizers along with two guests from Jadavpur University

IEEE IEM CAS SOCIETY EVENT REPORT (2020)

1) Guest Lecture on Nanotechnology (February)

On 28th February 2020, Prof. S. K .Bandhopadhyay of VECC delivered a lecture on Nanotechnology at IEM Gururkul Campus at 4:00 PM. The lecture, being delivered on one of the most burning topics of research, was attended by not only students, but also some of the faculty members of our college. Around 30 students attended the session.

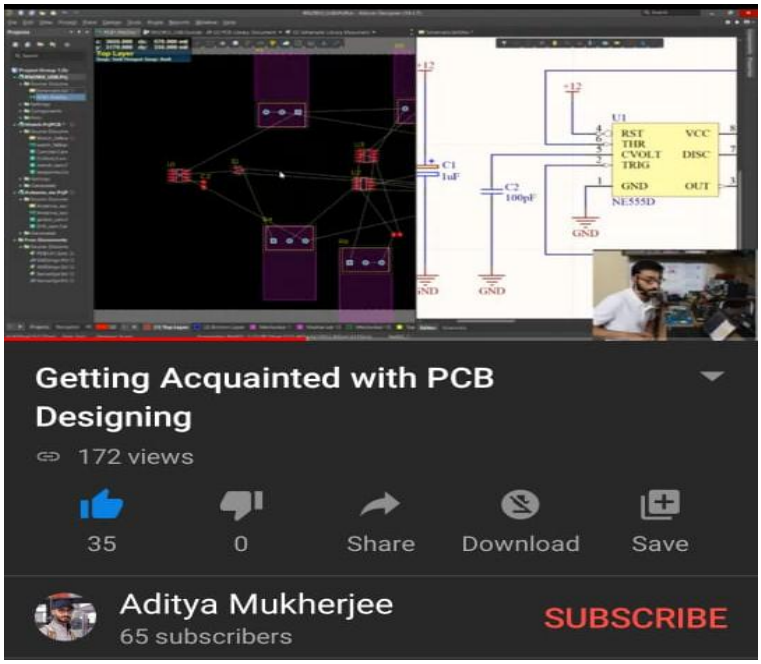
2) Women's Era-20 (March)

On 6th March 2020, on the occasion of International Women's Day, a panel discussion session about Women Empowerment was held at IEM Gurukul Campus at 4:00 PM. We got huge responses for the session. The panelists were Dr. RoopaMukhapadhyay (Professor, IACS), Dr. SwasatiSorcer (Thakurpukur Cancer Hospital), Mrs. AhimaBhadra (Senior Joint Commissioner, Sales Tax Department, WB) and Ms. Shreya Ghose (Volunteer, SHE(NGO)).

3) Online Workshop on PCB Designing (April)

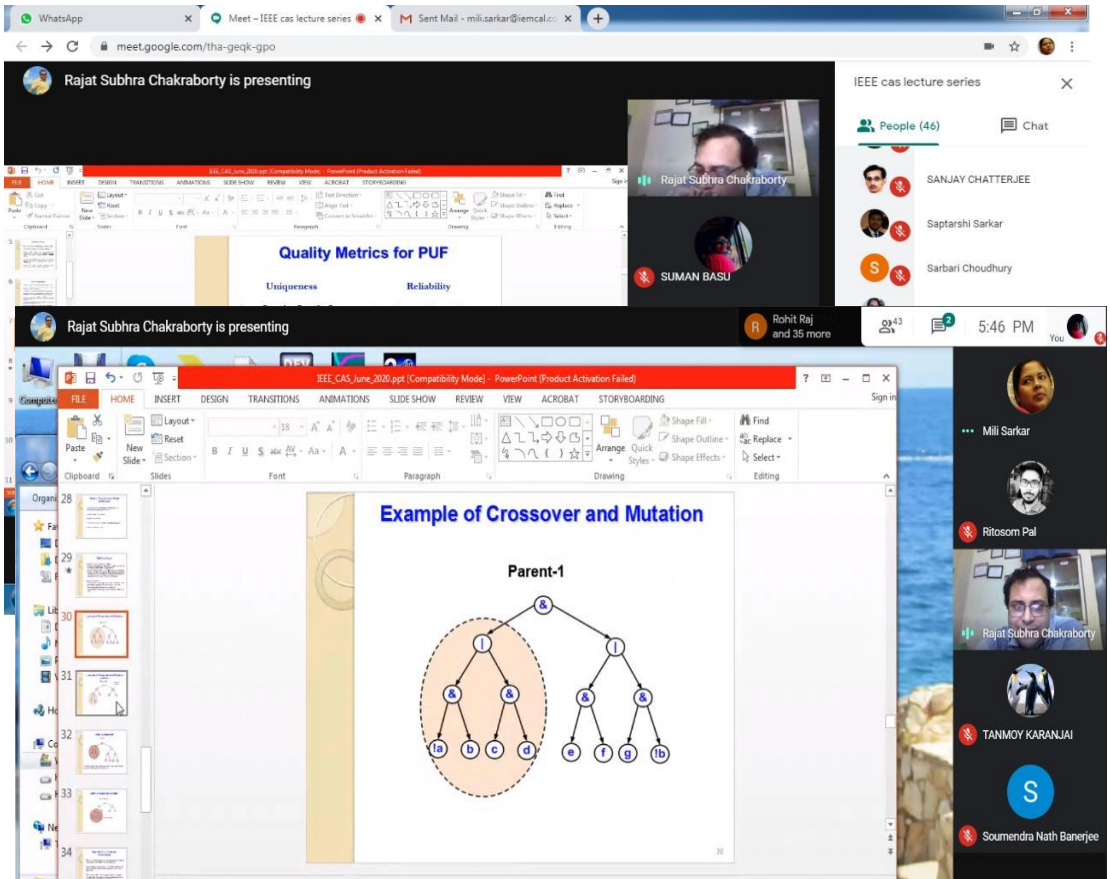
On 15th April 2020, our 4th year student member Aditya Mukherjee presented an online PCB designing workshop through youtube live from 8:00 PM to 10:00 PM . We got huge response and appraisal for the event. A 2 hour long session spanning over all the important

details for PCB designing was organized successfully. Even in this lockdown period we came up with this event.



4) Online Webinar on Physically Unclonable Function(June)

On 13th June 2020 at 4:30 PM, the CAS Society had hosted a Webinar on "Physically Unclonable Function --- A Promising Hardware Security Primitive" through Google Meet. It was conducted by RajatSubhraChakraborty, Associate Professor, Dept. of CSE, IIT Kharagpur. The topics discussed included PUF Fundamentals, Example of PUF Designs and Attack on PUFs. The 1 hour long session was attended by not only students and faculty members of IEM, but also students of other colleges like Netaji Subhash Engineering College. Around 50 participants were there in the webinar.



5) Online Short Video Making Competition – PRAXINOSCOPE (August)

From 30th July 2020 to 6th August 2020, an Online Short Video Making Competition named PRAXINOSCOPE was organized by the society. The theme of the competition was "Corona and its Effects on Technology". Prizes worth Rs. 6000 was given away to the winners.

6) Online Innovative Model Making Competition at IEMENTECH-2020 (October)

On 4th October 2020, the CAS Society had organized an Innovative Model Making Competition in the 4th International Conference on Electronics, Materials Engineering and Nano-Technology with IEEE Kolkata Section. 9 teams with a total of 30 participants had registered for this event and had demonstrated their models via Google Meet. Prize money worth Rs. 6000 was given away to the top 3 teams.

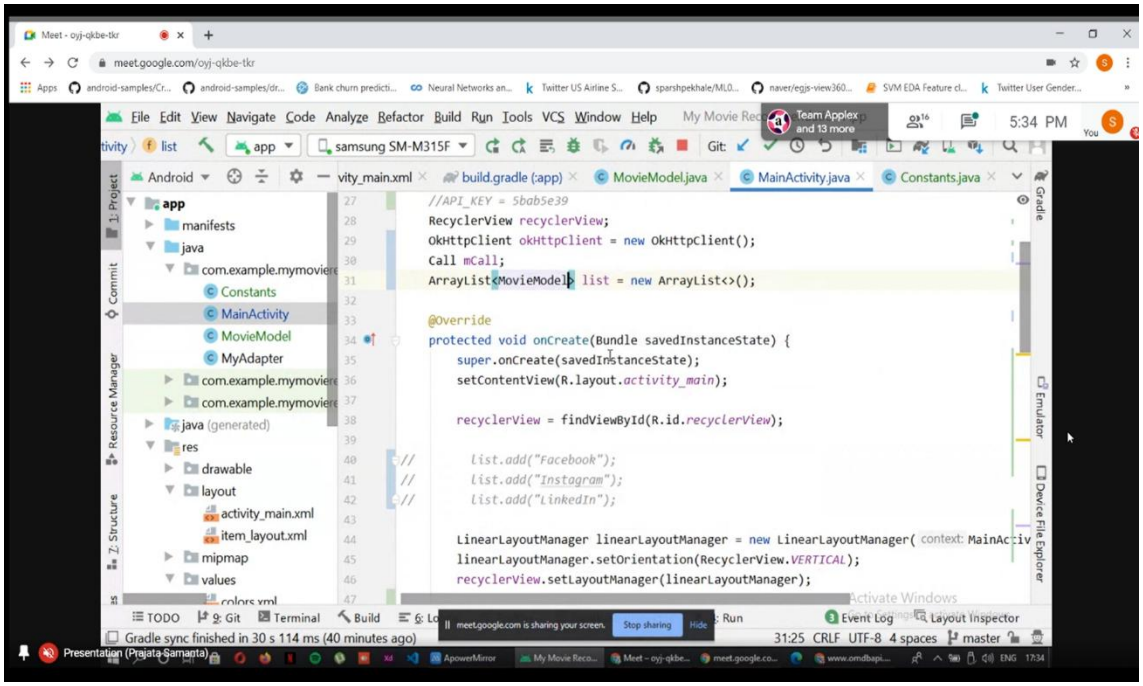
7) Online Interaction Session on Scope of Higher Studies in Quantum Computing (November)

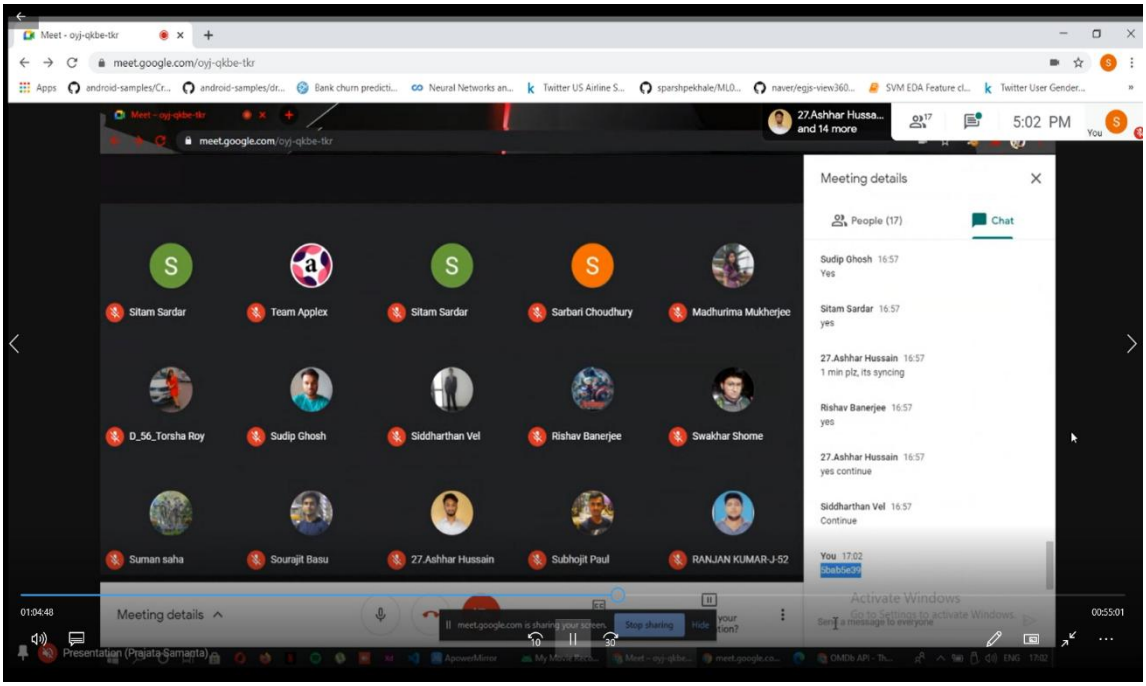
On 20thNovember 2020 at 4:00 PM, the CASSociety had hosted an Online Interaction Session on "Scope of Higher Studies in Quantum Computing" through Zoom. It was conducted by KuntalSengupta(BTech in ECE from IEM – 2017 Batch, MS in Quantum Computing from University of Calgary, PhD Research Scholar at "York Centre for Quantum Technologies" University of York in UK).

8) 2-Day Online Webinar on Android App Development (December)

applex.in, in association with IEM IEEE CAS Society Student Branch, had organized a 2-day Webinar on Android App Development on 27th and 28th December 2020. It was a paid webinar held via google meet. But the first session was open to all and was conducted through youtube live, after which we received more registrations. In total, we received around 15 registrations and all of them attended all the 4 sessions of this 2-day webinar.

The participants got to learn to build a Movie Recommendation App from scratch.The webinar turned out to be a great success. All the participants were really interactive and willing to learn every details about what they were being taught. We hope to conduct more such webinars in future.





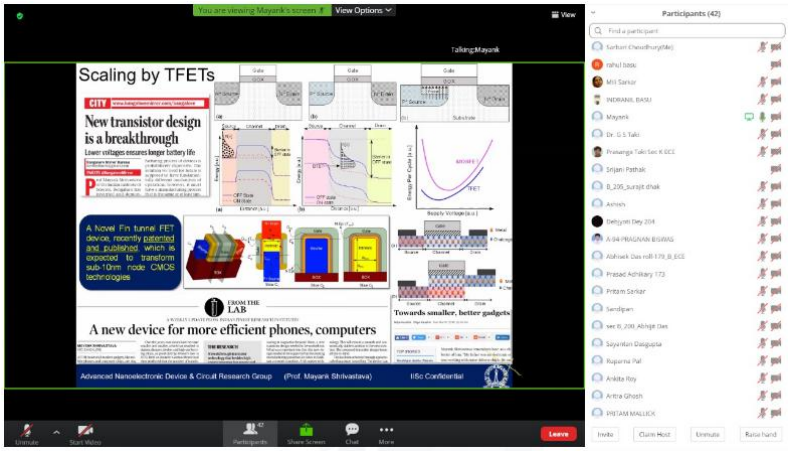
IEEE IEM CAS SOCIETY EVENT REPORT (2021)

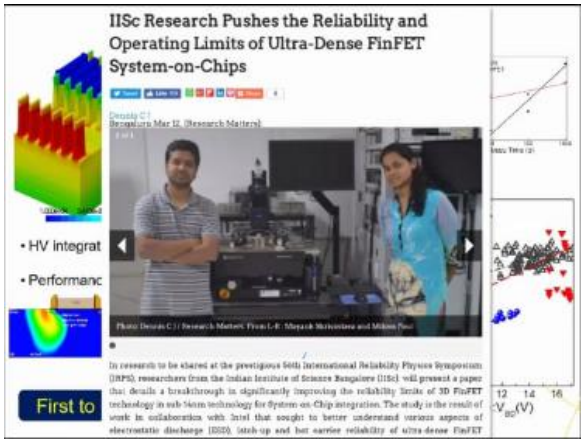
9) Guest Lecture on “The Future of Microelectronics and Possible Roles India Can Play”

Date: 6th February,2021 from 5pm.

The session was conducted by Prof. MayankShrivastava, Associate Professor, Department of Electronics System Engineering, IISC Bangalore.

Mode: ONLINE

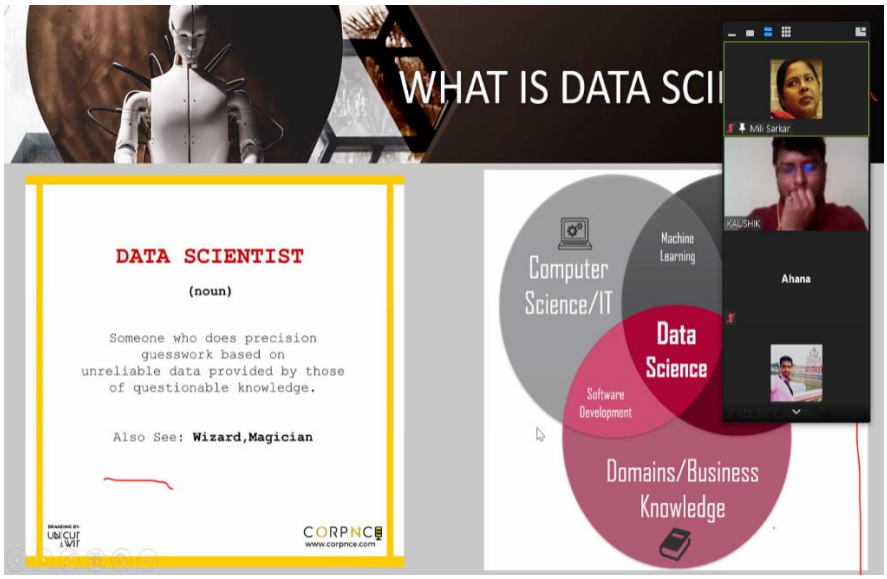


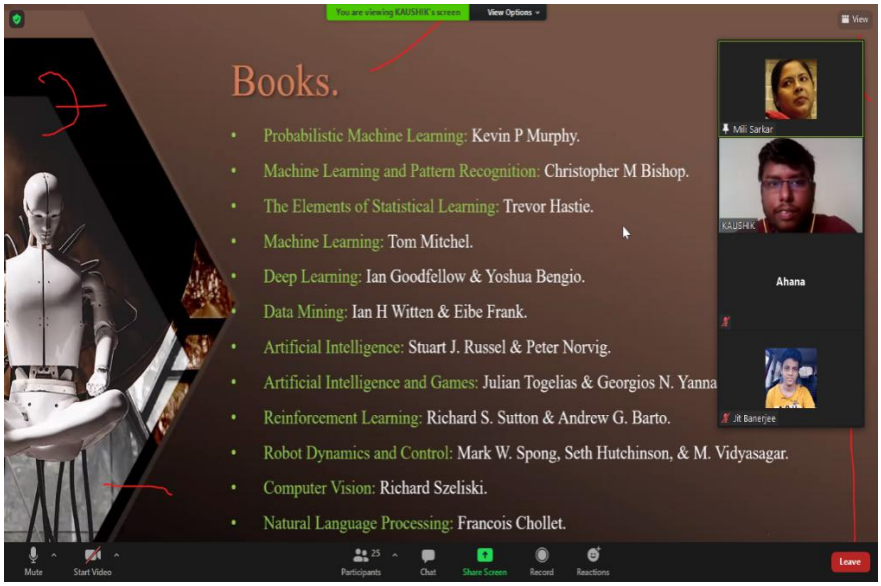


2)An Online Interaction Session on A Career in AI and ML

Date: 2nd April, 2021 at 2:00 pm.

The session will be conducted by
Mr. Kaushik Das,
Machine Learning Engineer,
Center of Excellence, TCS.





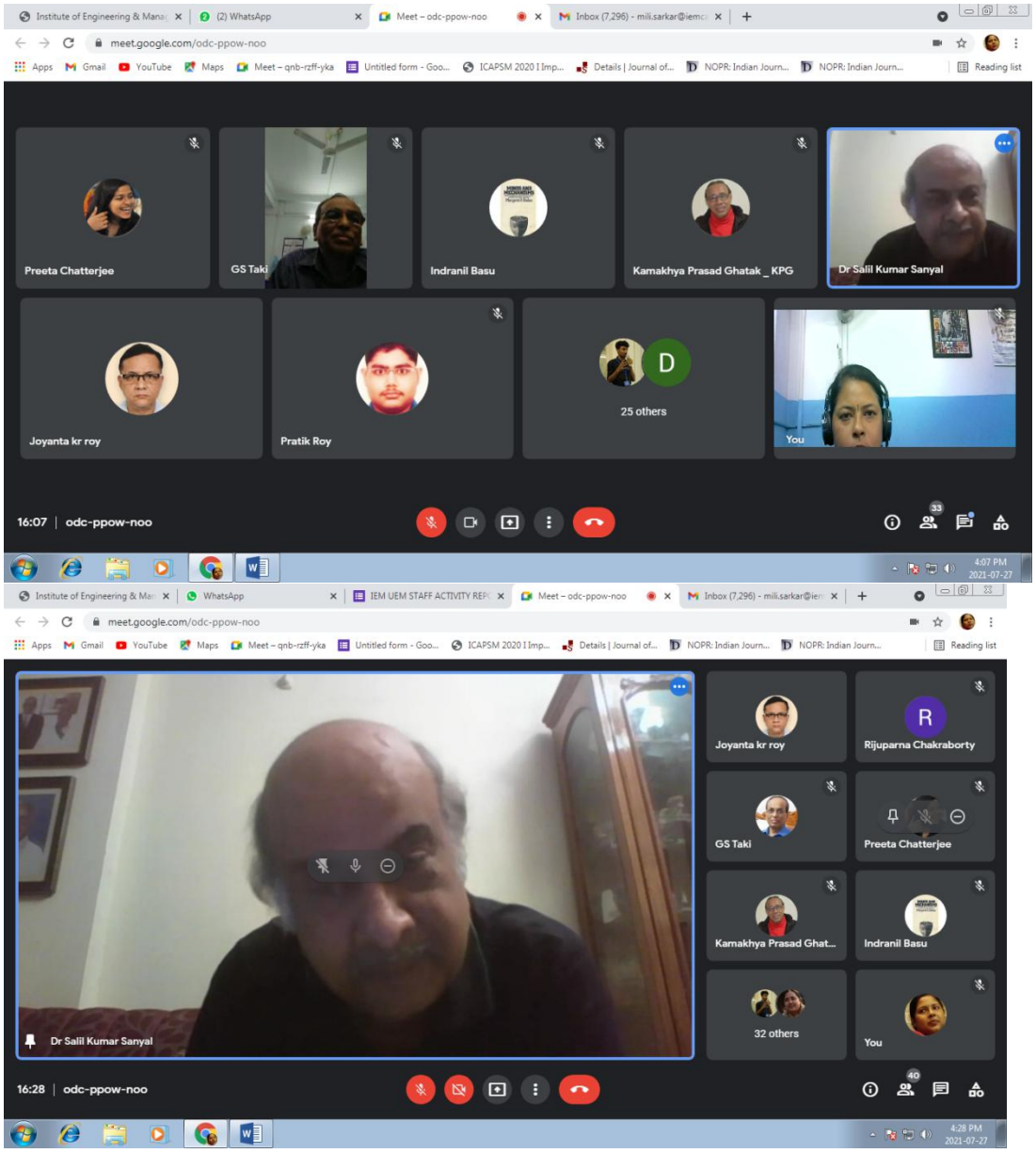
3)**Invited Talk on" The Secrets Behind Writing A Good Paper"**

Date: 27th July, 2021

Speaker: Prof. Salil Kumar Sanyal, Dept. of Electronics and Telecommunication Engineering, Jadavpur University

Time: 4p.m.-5p.m.

Meeting Link: http: https://meet.google.com/odc-ppow-noo



10) Three more invited talks.

11) One model making competition (In the month of September).

12) One workshop on VLSI circuit design software.

13) Visit to IC fabrication lab.

14) One industry visit.

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Submitted By: **Mili Sarkar (The Student Branch Chapter Advisor)**

1) Institute of Engineering & Management IEEE Circuits and Systems Society Student Branch Chapter has organized one innovative model competition from 23rd January to 25th January as a part of IEM Technical Fest "IEM Innovacion 2019" at IEM Management House ,Salt lake, Sector V. Near about 100 models were displayed in this event.

Photo Gallery

2) Mr. Suman Chakrabarty from Qualcomm has come and interacted with 2nd year and 3rd year students on 26th February, 2019 at IEM, Gurukul Campus.

3) This is to inform you that Electronics and Communication Engineering Department of IEM in association with IEM IEEE Circuits and Systems student branch Chapter has organized 1st international Circuit Design Olympiad 2019(IEMICDO 2019) on 12th and 13th April, 2019.

Total 244 candidates from India , Poland, USA, Bangladesh took part in this contest.

In the top 20 rank list, there are students from IIT KGP, IEM, BITM, IIT Delhi, B P Poddar Institute of Technology, Indira Gandhi Technical University for Women, BITS Pilani , Heritage Institute of Technology.

First 4 Rank holders are from IIT,KGP.

First prize of Rs.10,000/-was given by IEEE CASS Student Branch Chapter, Kolkata Section.

A few glimpses of the prize distribution ceremony…..

4)

5) Model making competition was organized by IEM IEEE CAS student Chapter on 31st August, 2019.Total 20 models were displayed.

This was an event of IEMENTech 2019 (3rd International Conference on Electronics , Materials engineering and Nanotechnology)

6) Invited talk organized by IEEE CAS student chapter on 19/11/19

Speaker: **Santanu Pal, Sankalp Semiconductor**

Topic: VLSI Circuits

Audience: 2nd year and 3rd year B Tech students

Venue : I EM, Gurukul Campus.

7) One day workshop on VLSI Circuit Design Tool on 12/12/19

Teacher/Demostrator: Amitavo Ghosh, Research faculty, Institute of Engineering and Management.

Software demonstrated: LTSICE and Cadence

Participants: Students from B Tech and M Tech

Venue: IEM ,VLSI Lab