



NEWSLETTER OF IEEE KOLKATA SECTION



JULY 2025

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Message from IEEE Kolkata Section Newsletter Committee Chair

Dear IEEE Kolkata Section Members and Readers,

I am honoured to have the opportunity to present to you the Second Quarter Newsletter of IEEE Kolkata Section. The goal of our newsletter is to provide valuable and relevant information about the activities and events conducted by IEEE Kolkata Section, its Subsections, Chapters, Affinity Groups, Student Branch Chapters etc. I believe that this newsletter can serve as an important tool for fostering communication and collaboration among our IEEE Members in Kolkata Section and beyond. I encourage you to reach out to me at ankita.telecom@faculty.iiests.ac.in, if you have any suggestions, feedback, or ideas for future newsletter content.

With warm regards,

Dr. Ankita Pramanik,

IEEE Kolkata Section Newsletter Committee Chair 2025

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Message from IEEE Kolkata Section, Chairperson 2025

Prof. Suparna Kar Chowdhury

Dear IEEE Kolkata Section Members, Greetings!!

It is my pleasure to present you the Quarter- 2 Kolkata Section Newsletter for 2025. 2nd Quarter of the year ranging from April to June witnessed many noteworthy events. The Chapters and AGs also organized many events. Four major events were organized by the Section:

- ‘Meet & Greet’ with VP MGA 2024 Mr. Deepak Mathur on 4th April 2025
- Selection Round of IEEE R10 Innovation Challenge on 10th May 2025
- ‘Meet & Greet’ with R10 Director Elect Prof. Sameer S M and TEMS President Elect Dr. Sudeendra Koushik on 22nd May 2025
- IEEE Kolkata Section Workshop on “Excellence in IEEE Conference Organization and Quality” on 23rd May 2025
- Launch of TEMS Kolkata Chapter on 23rd May 2025

All the events were marked by large turnout of members.

Meet and greet with Mr. Mathur was held on 4th April, 2025 at Westin Hotel. More than 21 Executive Committee members attended the meeting. Mr. Mathur interacted with the members regarding programs organised by Kolkata Section.

Selection Round of IEEE R10 Innovation Challenge was held on 10th May 2025, in online mode. Total 23 submissions were received and after evaluation 10 groups were invited to present their projects on line. On 10th May 2025 total 8 groups were able to present. The two winning teams consisted of students from IEM and JU. The names of the winning teams were recommended to R10 for participation in the final round of R10 innovation Challenge. Dr. Sudeendra Koushik, president Elect of IEEE TEMS, Mr. Abir Biswas, Head of Kolkata Office of Ericsson and Mr. Shaon Mazumder from IBM were the jury member of the evaluation committee.

Meet and greet with R10 Director Elect Prof. Sameer S M and TEMS President Elect Dr. Sudeendra Koushik was held on 22nd May, 2025 at Eastern Metropolitan Club. More than 21 Executive Committee members attended the meeting.

Workshop on “Excellence in IEEE Conference Organization and Quality” was organised in Hotel De Sovrani, Kolkata. Total 35 faculty members from different Engineering Colleges in and around Kolkata, participated in the workshop. Former Chair of Kolkata Section and IC, Prof. Sivaji Chakravorti; R10 Director Elect Prof. Sameer S M and TEMS President Elect Dr. Sudeendra Koushik interacted with the participants regarding “Do’s & Don’t’s” for organizers of IEEE sponsored conferences.

In the next quarter ‘CESC Milestone Commemorative Lecture’ will be held on 5th July 2025 at Tollygunge Club; ‘Sir J. C. Bose Milestone Commemorative Lecture’ will be held on 28th August 2025 at the Eastern Metropolitan Club. IEEE Kolkata Section Student Congress will be held on 29th August 2025 at the auditorium of JIS University.

I once again thank all the members for their wholehearted support and cooperation and looking forward to another interesting edition of newsletter. I wish to place a special thanks to the Section newsletter team for the efforts which went behind this edition. Your feedback will be of great help to us, do send us your comments to ankita.telecom@faculty.iests.ac.in.

Sd/-

Prof. Suparna Kar Chowdhury,
Chair, Kolkata Section



Section Events Report

Meet & Greet with VP MGA 2024 Mr. Deepak Mathur

VP MGA Mr. Deepak Mathur was in Kolkata on 4th and 5th April 2025. The IEEE Kolkata Section organized a Meet & Greet with Mr. Deepak Mathur on 4th April 2025 at Hotel The Westin Kolkata, Rajarhat. IEEE Kolkata Section felicitated Mr. Mathur and the members got an opportunity to exchange ideas with Mr. Mathur on the occasion of the Meet & Greet.



Prof. Suparna Kar Chowdhury felicitating Mr. Deepak Mathur



Prof. Suparna Kar Chowdhury presenting a memento to Mr. Deepak Mathur



Participants at the Meet & Greet

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AWS Community Day 2025

IEEE Kolkata Section Industry Academia Dialogue Forum sub-committee served as Knowledge Partner in "Clouds Over Kolkata: AWS Community Day 2025" event on 5th April at the RCC Institute of Information Technology (RCCIIT). AWS Community Day Kolkata 2025, organized by the AWS User Group Kolkata, brought together more than 500 cloud enthusiasts, CXOs, developers, students, and industry leaders at RCCIIT. Amazon Web Services (AWS) is the world's most widely used cloud computing platform, offering tools that allow businesses to store data, run applications, and build smart technologies online without the need for physical infrastructure. Mr. Sanjay Kumar Das, Additional Secretary, Department of Science & Technology and Biotechnology, Government of West Bengal delivered the keynote address. Dr. Biswajit Mohapatra, Head of Customer Solutions, AWS India, and South Asia and Aditi Sawhney, Data-Driven Marketing Leader at AWS, also delivered keynote talks at the event. IEEE Kolkata Section Industry Academia Dialogue Forum Chair Subhamoy Chakraborti participated in a panel discussion along with Sankar Ghosh, MD Accenture, Amitava Nag, AWS, Rishikesh Singh, Aditya Birla, Prateek Agarwal, Lux Industries and Nirmalya Khan, Capgemini. The panel discussed the practical challenges around GenAI and AI in general like use case definition, security, privacy, copyright, ethics, people aspects, change management etc.

The event featured three parallel tracks: one focused on AI/ML and GenAI, another on cloud infrastructure and serverless technologies, and a hands-on workshop track where attendees got to build applications using AWS tools. Speakers came from across India bringing deep insights from companies like AWS, Aditya Birla Group, Hoichoi TV, PwC, ABP Pvt Ltd., and more. Panels, technical talks, and workshops explored everything from scaling AI models to securing applications in the cloud. The event was supported by knowledge partner IEEE Kolkata section, Industry Academia Dialogue Forum.



Flyer of the Event



Glimpse of the Panel Discussion

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Parivartan - powered by ComSoc, TEMS, WIE, IEEE Kolkata Section Industry Academia Dialogue forum sub-committee



Flyer of the Event



Glimpse of the Panel Discussion

The Centre for Global Affairs and Public Policy (CGAPP) and Amwoodo (a Kolkata based start-up) organised a 2-day climate tech summit – “Parivartan” – as part of Kolkata Climate Week. IEEE COMSOC Kolkata Chapter, IEEE TEMS Kolkata Chapter, WiE Kolkata Chapter and IEEE Kolkata Section Industry Academia Dialogue Forum sub-committee associated with this event as knowledge partners. The Summit began on 10th April, 2025 and brought in Indian start-ups working on sustainability, waste management and other related issues to Kolkata. The summit also featured a start-up exhibition showcasing technological solutions, alternative material products and other innovations which address social and environmental issues. On 10th April, a panel discussion on the topic of "From Heritage to Innovation: Kolkata's Journey As A Startup Hub", powered by IEEE COMSOC Kolkata Chapter and IEEE TEMS Kolkata Chapter was held. It was moderated by IEEE Kolkata Section Industry Academia Dialogue Forum Chair, Subhamoy Chakraborti. The other panelists included Subhrangshu Sanyal, CEO IIMC Innovation park, Arijit Bhattacharyya, Serial Entrepreneur, Nirupam Choudhury, Director, Nasscom and Pauline Laravoire from Techno India group. The session was featured in The Telegraph newspaper: <https://epaper.telegraphindia.com/calcutta-edition/29/2025-04-11/page-9/article-1976603664.html>

The first day of the summit saw 7 Indian start-ups pitching to investors to raise investment. Over 150 people turned up during the day to participate in the various sessions and see the exhibits. Researchers and students also got an opportunity to learn more about the cutting-edge solutions to climate and pollution issues that are being developed by industry. The sessions on 11th April, 2025 included a government roundtable on waste management with start-ups, Municipal and state representatives and domain experts where start-ups proposed their solutions and pitch sessions for non-climate tech start-ups.

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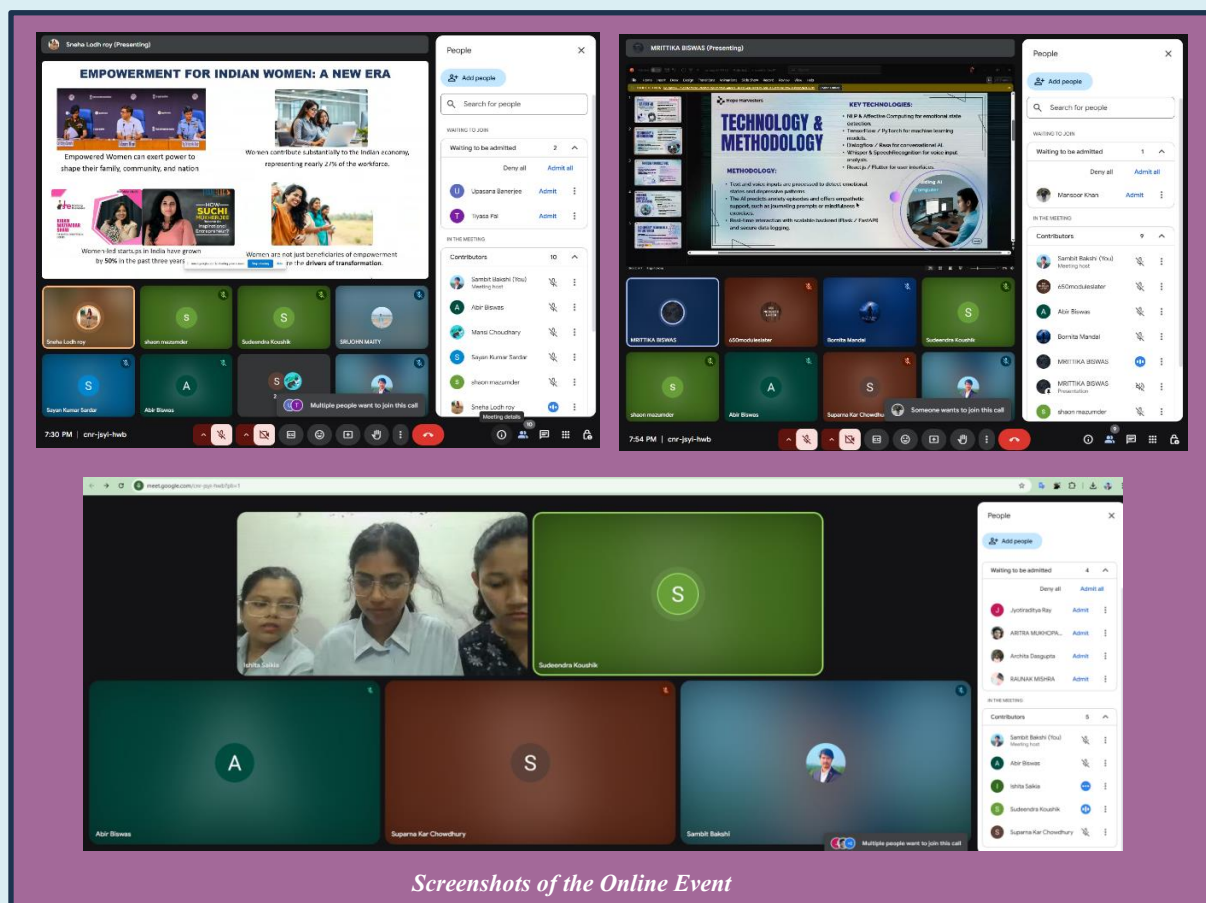
Selection Round of IEEE R10 INNOVATION Challenge

IEEE Region 10 is organizing R10 Innovation Challenge - Asia Pacific 2025 for which IEEE Kolkata Section had broadcast a call for selection of two teams to be nominated for the challenge. The theme of this year's R10 Innovation Challenge is AI for Social Impact. IEEE Student members, Graduate Student members, and Young Professionals of IEEE Kolkata Section were invited to participate in this challenge.

A total of 23 teams from 11 different colleges/universities had shown their interest to participate and accordingly had submitted abstract note. A jury team comprising Mr. Shaon Mazumder, Mr. Abir Biswas, and Dr. Sudeendra Koushik pre-screened all submissions and finally 8 teams were shortlisted to present their ideas and works in online mode on 10-May-2025 before the team of juries.

Two teams were nominated to IEEE R10 to participate to the final round. The teas are as follows:

1. Team Nexora from Institute of Engineering and Management with members Archita Dasgupta, Aritra Mukhopadhyay, Raunak Mishra, and Jyotiraditya Ray presenting project on DawaSaarthi secured 1st position
2. Team The Smart Surge from Jadavpur University with members Hritaban Goswami, Arka Dhar, Suvam Seth, and Pratyush Ray presenting project on The Smart Surge secured 2nd position.



Screenshots of the Online Event

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IEEE Kolkata Section Workshop on “Excellence in IEEE Conference Organization and Quality”



Glimpses of the Event

The IEEE Kolkata Section successfully organized a day-long workshop titled “Excellence in IEEE Conference Organization and Quality” on 23rd May 2025 at Hotel De Sovrani, Salt Lake, Kolkata. The workshop brought together eminent academicians, IEEE leaders, faculty members and industry professionals to deliberate on the best practices, tools and strategies for organizing high-quality IEEE conferences. The workshop was graced by distinguished speakers, namely Prof. Bhaskar Gupta, Former Vice-Chancellor, Jadavpur University; Prof. Sivaji Chakravorti, Former Chair, IEEE Kolkata Section, Former Director, NIT Calicut, Professor, Jadavpur University; Prof. Sameer S. M., Professor, NIT Calicut and IEEE Region 10 Director-Elect (2025–26); Dr. Sudeendra Koushik, President-Elect, IEEE Technology and Engineering Management Society (TEMS) and Prof. Sujit K. Biswas, Former Chair, IEEE Kolkata Section; Former Professor, Jadavpur University. The workshop was attended by 30 faculty members from different engineering colleges. Prof. Bhaskar Gupta, gave the welcome address. Prof. Sivaji Chakravorti, delivered a highly engaging lecture on the use of modern tools and digital platforms for effective IEEE conference organization. Prof. Sameer S. M. focused his session on ensuring quality, compliance and ethical standards in IEEE conferences. Dr. Sudeendra Koushik, shared his expertise on engaging industry professionals and motivating them to participate in IEEE conferences. Prof. Sujit K. Biswas, concisely summarized the key points presented by all speakers. He also shared valuable insights on the conference application process. As a token of welcome and environmental responsibility, each guest was presented with a plant sapling by the Chair of IEEE Kolkata Section.

IEEE SIGHT Kolkata Affinity Group

Technological Solutions to Disasters Using STEM Kits



Snapshots of STEM workshop titled 'Technological Solutions to Disasters Using STEM Kits'

On May 14, 2025, a transformative STEM workshop titled 'Technological Solutions to Disasters Using STEM Kits' was organized at PACE Learning Center, Gaurdaha, West Bengal, India, by IEEE Kolkata Section SIGHT, IEEE MOVE India Outreach Program and Heritage Institute of Technology. Targeting underserved girls in a region vulnerable to sex trafficking, the workshop aimed to empower students with practical STEM-based solutions for disaster resilience. Led by Dr. Mousiki Kar and supported by five student volunteers, the session engaged 28 students from Classes 8 to 12 and nine teachers.

The workshop began with a discussion on natural and man-made disasters followed by demonstrations of Earthquake and Flood Warning Systems, Gas Leakage and Moisture Detection Systems, Solar and Automatic Street Light. Students then built two prototypes: a Flood Alert System and a Gas Leakage Detector. The hands-on experience strengthened their problem-solving skills and promoted awareness of how STEM can drive climate action and community safety.

IEEE Women in Engineering (WIE) Kolkata Affinity Group

WIE session in (6TH IEEE Conference for Devices and Integrated Circuits) DevIC 2025

A WIE session in (6TH IEEE Conference for Devices and Integrated Circuits) DevIC 2025 was held on April 5, 2025 at Kalyani Govt. Engg. College, West Bengal. The purpose of DevIC2025 is to recognize the importance of interaction between device, circuits, systems and electronic materials research and provides for fruitful exchange of information between attendees of the conference. The conference was organized by IEEE EDS Kolkata Chapter and IEEE KGEC Student Branch Chapter in association with the Department of ECE, KGEC. Keynote lectures/talks, tutorials, and oral presentations by eminent researchers were there. WIE affinity group of Kolkata Section hosted one of the keynote talks which was delivered by Dr. Atasi Pal, a principal scientist from the Central Glass and Research Institute, Kolkata. Prof. Angshuman Sarkar, Professor and Head, ECE Department Kalyani Government Engineering College and the General chair of the event; Prof. C. K. Sarkar, Retd. Professor, ETCE Department, Jadavpur University and IEEE Distinguished Lecturer; Prof. Sheli Sinha Chaudhuri, Chair, WIE AG, IEEE Kolkata Section and Professor, ETCE Dept. Jadavpur University; Dr. Navneet Bagga, Asst. Professor, School of Electrical and Computer Sciences, IIT Bhubaneswar and Dr. Ratul Barua, Asso. Professor, ECE Department, School of Engineering, Tezpur University were also present. A Total of 35 Participants, including 15 IEEE Members had participated in the event.



(Top) WIE members at the event with the speaker in the middle



(Right) Dr. Pal being felicitated by Dr. Bagga

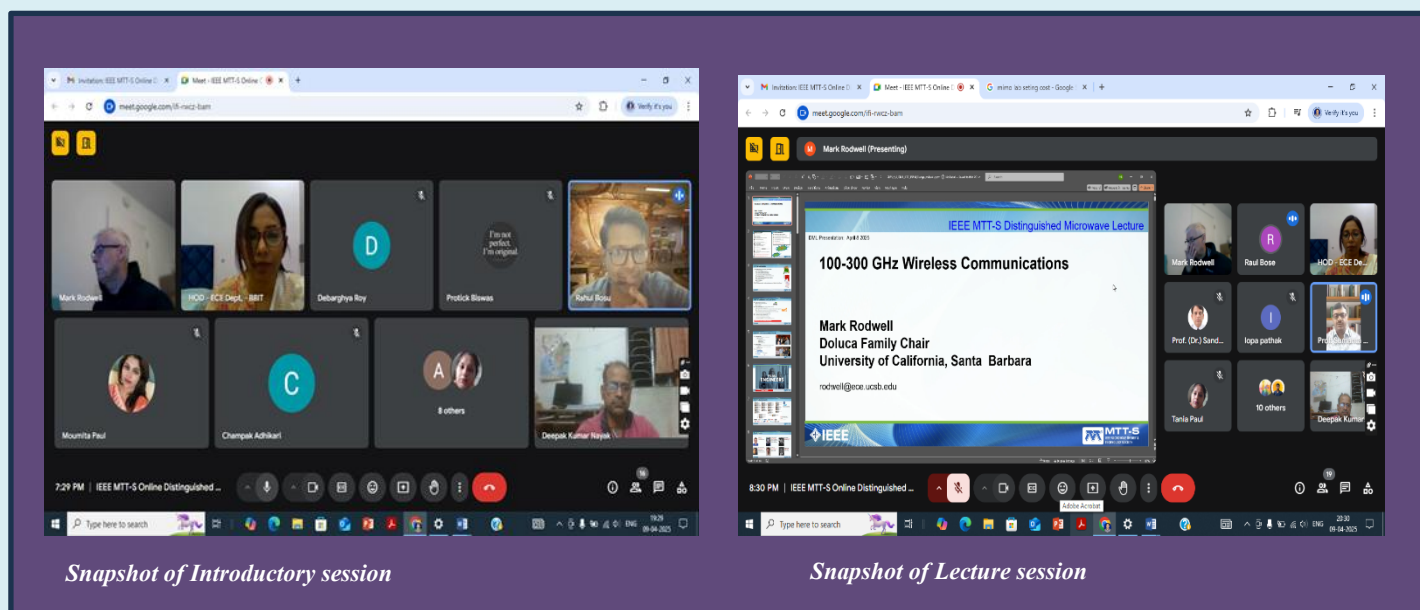
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IEEE MTT-S Online Distinguished Microwave Lecture “100-300 GHz Wireless: Transistors, ICs, systems”



One day online DML on “100-300 GHz Wireless: Transistors, ICs, systems” was held at the Department of Electronics & Communication Engineering of Budge Budge Institute of Technology Kolkata, on April 09, 2025 from 7.30pm to 8.30pm (IST) in online mode. The lecturer had aimed to provide opportunities to faculty members and students to get knowledge about high frequency RF component designs.

Welcome address was given by Mrs. Kakali Sengupta Das, HOD ECE, BBIT. Prof. Mark Rodwell, Professor, University of California, Santa Barbara was the technical expert. Prof. Mark Rodwell spoke on various high frequency components like Transistor, filter and Antenna etc. Multitude of concepts ranging from fundamental of design to practical applications were discussed in the online session. Participants were enlightened with the most widely used advance technologies in the domain of high frequency design components, specifically for the design of Antennas, BJTs and MOSFETs etc. The program ended with vote of thanks by Prof. Deepak Kumar Nayak, Department of ECE, BBIT. Fifty participants including 26 IEEE members participated in the event.

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Invited Talk on "The Semiconductor Renaissance Driving the Future of Technology" & Poster Competition

An Invited Talk on "The Semiconductor Renaissance Driving the Future of Technology" and a Poster Competition was held on April 10, 2025, at Budge Budge Institute of Technology, Kolkata-700138. The event commenced with the traditional lighting of the lamp ceremony by faculty members and the invited speaker, Dr. Mousiki Kar, Associate Professor, ECE, Heritage Institute of Technology, Kolkata, Past Chair, IEEE Kolkata Section SIGHT Group, Member, IEEE Humanitarian Technologies Board, USA, STEM Ambassador, IEEE Try Engineering, USA, symbolizing the pursuit of knowledge and enlightenment. Dr. Kar delivered an insightful and engaging session on the advancements and future scope of semiconductor technology, linking it with emerging global trends and innovation. The talk emphasized the vital role of women engineers in this evolution.

Poster Competition was conducted based on the Theme: Women Engineers: Building a Sustainable Future. A total of 12 posters were displayed, each creatively presenting the vision and contributions of women engineers in shaping a sustainable technological world. The posters were evaluated based on content, creativity, and relevance to the theme. Attractive prizes were awarded to the top-performing posters. The event saw enthusiastic participation from students, especially female attendees, IEEE student members, and faculty. Volunteers and organizing committee members ensured smooth execution. A total of 40 participants for the talk session including 24 for poster competition were present in the event. Ten IEEE Members also participated in the event.



The flyer is a detailed announcement for the event. It features logos of IEEE, NEA, and other organizations at the top. The main title is "Invited Talk on The Semiconductor Renaissance Driving the Future of Technology & Poster Competition". It lists the organizers as IEEE WIE Affinity Group, IEEE MTT-S & ISF - BBIT, and the venue as AC-314, ECE Dept., BBIT. The date and time are April 10, 2025, from 1:30 PM to 3:00 PM. The technical speaker is Dr. Mousiki Kar, Past Chair of IEEE Kolkata Section SIGHT Group. The poster theme is "Women Engineers: Building a Sustainable Future". The flyer also lists the organizing committee, technical committee, and co-committee members. A registration link is provided at the bottom.

Invited Talk on
The Semiconductor Renaissance Driving the Future of Technology
Poster Competition
Organized by:
IEEE WIE Affinity Group, IEEE MTT-S & ISF - BBIT
Department of Electronics & Communication Engineering
Budge Budge Institute of Technology, Kolkata, India
APRIL 10, 2025
TIME: 1:30 PM - 3:00 PM
VENUE:
AC-314, ECE DEPT., BBIT
ORGANIZING COMMITTEE
PROGRAM CHAIR
Mrs. Rakati Sengupta Das
HOD - ECE, BBIT
PROGRAM COORDINATOR
Dr. Sumanta Bhattacharyya
(Associate Professor, ECE)
Mrs. Tanita Paul Das
(Assistant Professor, ECE)
TECHNICAL COMMITTEE
Prof. (Dr.) Deepak Kumar Nayak
Dr. Rahul Bostu, Mr. Champak Adhikari, Mr.
Debarghya Ray & Mrs. Nibedita Mukherjee
CO-COMMITTEE MEMBERS
Mrs. Arpita Das, Mr. Debasis Majhi
Mrs. Julekha Khastun & Ms. Moumita Paul
Registration Link
<https://forms.gle/L3kdt1z1E8m3u0d6>
For Any Queries, Contact:
Dr. Sumanta Bhattacharyya, ECE Dept.
Email: sumantabhattacharyya@bbit.edu.in
TECHNICAL SPEAKER
DR. MOUSIKI KAR
Past Chair
IEEE Kolkata Section SIGHT Group
Member, IEEE Humanitarian Technologies Board, USA
STEM Ambassador, IEEE TryEngineering, USA
Associate Professor, ECE
Heritage Institute of Technology, Kolkata
POSTER THEME
**WOMEN ENGINEERS:
BUILDING A
SUSTAINABLE FUTURE**
**Attractive Prizes for
WINNERS!**
Rules & Regulations
1. Each group shall have a maximum of 2 participants with at least 1 female participant.
2. Finalized poster shall be submitted to the school room by April 9, 2025, before 12:00 PM.
3. Poster size: 12 inches x 6 inches or 30 cm x 20 cm.
4. The poster must be mounted on a hard surface such as a mount board / cardboard / art paper before submission.

Flyer of the event



Inauguration and lamp lighting at the event

WIE session in PARIVARTAN, Centre for Global Affairs Sponsored Kolkata Climate Week



Panelists at the event



Flyer of the event

A WIE session in PARIVARTAN, Centre for Global Affairs Sponsored Kolkata Climate Week was held on April 10, 2025 at Biswa Bangla Convention Centre, Kolkata. Parivartan, a two days startup-focused event was organized, aiming at promoting cutting-edge climate and other breakthrough technologies, strengthening startup-government linkages, and fostering collaboration within the Tech ecosystem. Investors and ecosystem players like India Accelerator, T-Hub, IIT KGP joined the program where climate tech and non-climate tech start-ups pitched their ideas to showcase their innovation and attract investors. IEEE WIE Kolkata Section organized a panel discussion to focus on Women Led Tech Startups in Eastern India. 10 panelists participated with panel members from start-up owners, legal advisors, academia, and the session was moderated by Ms. Sudeshna Chowdhury from TCS. Madhurima Dutta, Founding partner and CEO at Vidma Consulting Group; Soma Banerjee: Co-founder and CEO, Business Brio; Gunika Leads the Impact Labs ecosystem amongst other projects at India Accelerator; Ranjeeta Bhattacharya, Project Lead with Switch ON; Anwita Mukherjee, Co-founder and chief technical officer at LongStraw Technologies Pvt Ltd.; Sarmistha Roy : Founder, ESSR Minds; Prof. Sheli Sinha Chaudhuri, Chair, WIE AG, IEEE Kolkata Section and Professor, ETCE Dept. Jadavpur University; Dola Gupta, Scientist and the Principal Investigator of her project in the AKCSIT department at the University of Calcutta; and Sahana Bhowmick, Founder Director at DITO social welfare association were the panelists. The event saw the participation of 45 people, including 15 IEEE members.

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Gen AI by hand Workshop



Prof. Tom Ye addressing the participants online



Felicitation of Dr. Roy Chowdhury



Felicitation of Mr. Aditya Sengupta

AI by hand workshop was conducted on May 10, 2025 at ETCE Department, Jadavpur University. It was organized by WIE IEEE Kolkata Section and Deep Duo Foundation to discuss the basic principles of Generative AI and their applications. In the first part of the program, the principles of Generative AI and the book by Prof. Tom Yeh, Professor CS, University of Colorado Boulder and Dr. Anish Roy Chowdhury, Associate Director, Data Science, Plaksha University was launched. As Prof. Yeh was in USA, Dr. Roy Chowdhury explained the mathematical functions that make up the generative model and also discussed some uses. In the second session, Mr. Aditya Sengupta, Senior Cloud Architect, IBM discussed about the major application of Gen AI in the industry and also mentioned the pros and cons of this deep learning model. Prof. Sheli Sinha Chaudhuri, Chair, WIE AG, IEEE Kolkata Section and Professor, Jadavpur University, India was also present. A total of 65 people including 10 IEEE Members had participated in the event. The participants from different technical institutes had participated in the interesting and informative sessions.

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GATE EC Prep & What Awaits You at IIT

The IEEE Computer Society IEM Student Branch Chapter, in collaboration with the IEEE IEM Women in Engineering (WIE) Affinity group, IEEE Women in Engineering (WIE) Affinity group, Kolkata Section and others, successfully organized an informative online session under the ZENITH series titled “GATE EC Prep & What Awaits You at IIT” on 17th May 2025.

WIE 5-Day Workshop on “Engineering the Future: From Data to Design”



Flyer of the event

The IEEE Women in Engineering (WIE) Affinity Group, NIT Meghalaya, in collaboration with IEEE MTTS, CAS, CEDA, Sensors Council, and System Council Student Branch Chapters, successfully organized a 5-day workshop titled "Engineering the Future: From Data to Design" from May 20-24, 2025 at NIT Meghalaya, India. The event was funded by IEEE WISE. The workshop commenced with the inaugural ceremony of the newly established IEEE Student Branch Chapters and the WIE Affinity Group at NIT Meghalaya. These chapters are dedicated to promoting innovation, collaboration, and inclusivity across disciplines such as electronics, computing, and related fields. The 5-day workshop showcased the contributions of female engineers and scientists in driving innovation in key domains like sustainable design, global development, data analytics, and artificial intelligence.

Prof. Sheli Sinha Chaudhuri, Chair, WIE AG, IEEE Kolkata Section and Professor, Jadavpur University; Prof. Prof. Susmita Sur-Kolay, Former Professor, Indian Statistical Institute, Ms. Debabani Choudhury, Principal Scientist with Intel Labs, Hillsboro, OR, USA; Prof. Brinda Bhowmic, NIT Silchar; Ms. Kathyayani Srikanteswara, Research Scientist at Intel Labs, India; Dr. Ruchira Naskar, IEST Shibpur; Dr. Shakshi Dhanker, IIT Jodhpur; Prof. Deepa Venkatesh, IIT Madras, India; Ms. Lobna A. Said, Nile University; Dr. Ghanapriya Singh, NIT Kurukshetra and Dr. Mourina Ghosh, IIIT Guwahati, were the speakers for the event. The event brought together students from various technical colleges and professionals from different institutes, providing a platform for knowledge sharing, technical sessions, and networking. A total of 50 participants including 10 IEEE members took part in the event.



Inaugural ceremony of the event

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IEEE WIE Day on Pioneering Safe Cyberspace: Women Bridging Technology and Light for Security

IEEE WIE Student Branch Affinity Group, St. Thomas' College of Engineering & Technology (STCET), Kolkata in association with IEEE Student Branch, IEEE Student Chapter (CIS, IES), STCET, Kolkata organized a lecture session by Prof. Sheli Sinha Chaudhuri, Chair, IEEE WIE Kolkata Section and Professor, Department of Electronics & Telecommunication Engineering, Jadavpur University on June 24, 2025 at STCET, Kolkata. Prof. Sinha Chaudhuri delivered an insightful lecture on "Cybersecurity and Computer Vision", inspiring students to explore innovative project areas in cybersecurity and emphasizing the critical need for inclusive technological development. This was followed by a Presentation Competition on the IEEE WIE Day theme "Pioneering Safe Cyberspace: Women Bridging Technology and Light for Security". The winners of the competition all turned out to be ladies, and the winning entries reflected deep research, originality, and alignment with the event theme.

Prof. Sujit K Biswas, Dean Academic, STCET, and Former Professor, Jadavpur University; Dr. Prasun Chowdhury, HoD, Electronics & Communication Engineering, STCET and Dr. Koustuv Sarkar, Dept. of Electrical Engineering, STCET also spoke at the event. The event was conducted in offline mode and witnessed active participation of 39 people including students across different academic years and disciplines. A total of 27 IEEE Members had participated in the event.



Banner of the event

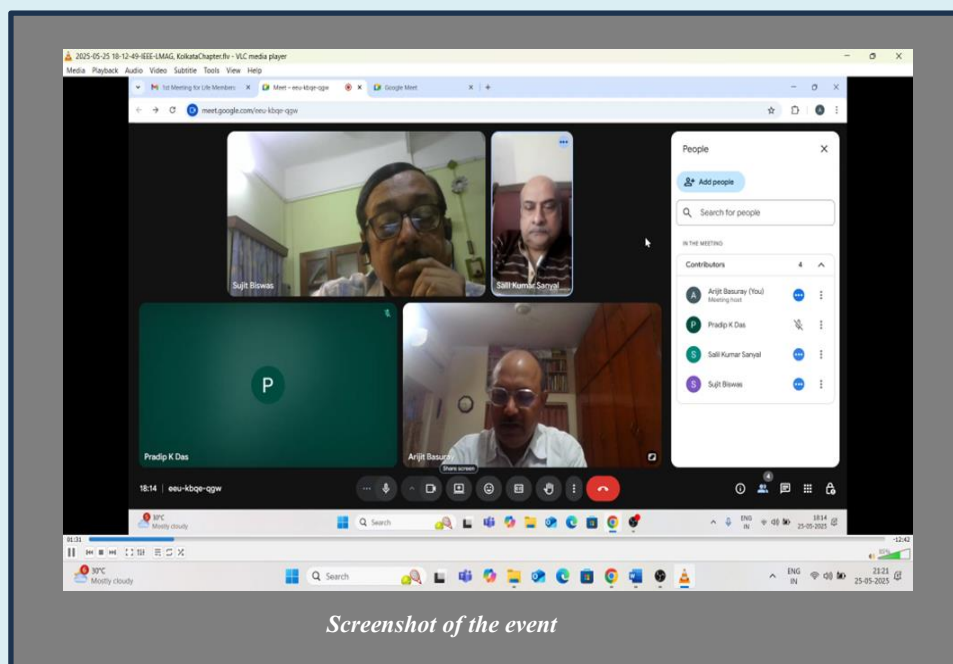


Prof. Sinha Chaudhuri delivering her talk

IEEE Life Members Affinity Group (LMAG) Kolkata Affinity Group

First Meeting of the members of LMAG Chapter of IEEE Kolkata Section

The First Meeting of the members of LMAG Chapter of IEEE Kolkata Section was held on May 25, 2025 at 6:00 PM in online mode. In the meeting it was decided to form a WhatsApp group for the life members in Kolkata chapter for better and prompt communications. An Industrial visit from any particularly selected engineering college may be organised by LMAG, Kolkata chapter at any relevant Industry. Online talk may be arranged. Prof. Sujit Biswas was tasked to find resource person as speaker. To get an accountable number of audiences for the talks arranged by LMAG, Kolkata chapter, the chapter will circulate the link of the talk to different IEEE platform including LMAG India Council. Prof. Pradip Kumar Das, Prof. Salil Kumar Sanyal, Prof. Sujit Biswas and Mr. Arijit Basuray were present in the meeting.



Screenshot of the event

IEEE Young Professional (YP) Kolkata Affinity Group

Webinar on Quantum Computing



IEEE Young Professionals, Kolkata Section and IEEE Computational Intelligence Students Chapter, Kalyani Government Engineering College organized an International Webinar on "Quantum Computing: A Gentle Introduction" on 26th April from 7 pm (IST) in online mode by Dr. Siddhartha Bhattacharyya, a distinguished Senior Researcher in the Faculty of Electrical Engineering and Computer Science at VSB Technical University of Ostrava, Czech Republic. A total of 91 students participated. The program focused on basics of quantum computing and its applications in various domains. The event was very much interactive.

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Inter-College Project Poster Competition 2025

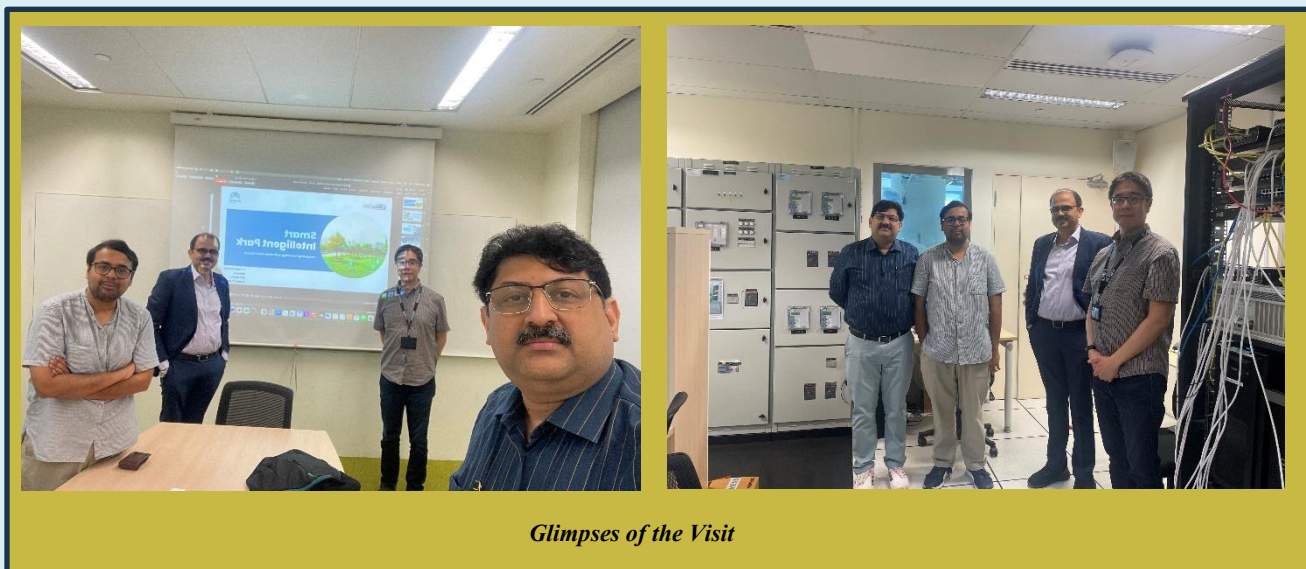
The Department of Master of Computer Applications (MCA), Techno International New Town, successfully organized the Inter-College Project Poster Competition 2025 in technical collaboration with IEEE Young Professionals, Kolkata Section and IEEE Communications Society (ComSoc) Kolkata Chapter May 12, 2025 at Techno International New Town, Kolkata. Students from various reputed colleges in and around Kolkata participated, showcasing innovative ideas and research through their posters. A distinguished panel of judges from industry and academia evaluated the projects. The judges were Mr. Prakash Tripathi, General Manager IT, Shyam Steel Industries Limited; Dr. Arpan Diyashi, Associate Professor, Department of ECE, RCCIT and Mr. Subhadip Ghosh, Head of Training and Placement, Red Apple. The event was a grand success, providing a collaborative platform for young innovators to exhibit their ideas and interact with industry experts and academicians. Around 31 teams with 2 members each were present in the event. A total of 76 participants including 6 IEEE members were present in the event.



Winners with judges and organizers

IEEE Communications Society (ComSoc) Kolkata Chapter

IEEE ComSoc Kolkata collaboration program with SUTD Singapore for advancement in Smart Grid/Smart City research program



Glimpses of the Visit

On April 11, 2025, the IEEE Communications Society (ComSoc) Kolkata Chapter visited the Singapore University of Technology and Design (SUTD) to strengthen collaboration in Smart City and Smart Grid research. The delegation, led by Dr. Pallab Ganguly (Chairman, ComSoc Kolkata Chapter) and Mr. Subhamoy Chakraborty (Kolkata Section), was hosted by Dr. Sudipta Chattopadhyay, Associate Professor at SUTD. The visit included tours of key research facilities such as the iTrust Cybersecurity Lab, EPIC Smart Grid Testbed, SWaT, and WADI plants. Technical presentations were delivered by both SUTD and ComSoc Kolkata on recent advances in smart technologies. Strategic discussions followed to identify action points and develop a roadmap for collaborative research in cybersecurity and Smart City/Smart Grid. This initiative marks a step forward in leveraging communication technologies for urban innovation, and sets the foundation for impactful joint research between ComSoc Kolkata and SUTD in addressing the challenges of urbanization and energy sustainability.

IEEE Geoscience and Remote Sensing Society (GRSS) Kolkata Chapter

InGARSS 2025 Preparations Reviewed at IIIT Bhubaneswar

A core organizing committee meeting for InGARSS 2025 was successfully held on 9th May 2025 at IIIT Bhubaneswar, the official venue of the symposium. The meeting focused on reviewing the progress of preparations and streamlining the next steps for organizing the event. The meeting was attended by the General Chair, Program Chair, Finance Chair, Publication Chair, WIE Activity Co-Chair, YP Activity Chair, and members of the Local Organizing Committee. Each presented updates from their respective domains, followed by active discussions on pending tasks and priorities. Special focus was given to Women in Engineering (WIE) and Young Professionals (YP) activities, with proposals for inclusive and engaging sessions during the symposium. The Local Organizing Committee also shared updates on logistics, including accommodation, venue preparation, transport, and hospitality. The meeting concluded with clearly defined action points and a shared commitment to ensuring InGARSS 2025 becomes a high-impact, well-organized international event showcasing excellence in geoscience and remote sensing.

IEEE GRSS India Chapter Chair's Meeting June – 2025



GRSS India Chapter Chair's Meeting at IIIT Bhubaneswar, Odisha

The Chapter Chairs of IEEE GRSS India, representing 10 active chapters, convened on 29th June 2025 in Bhubaneswar, Odisha for a strategic meeting aimed at strengthening collaboration and advancing GRSS activities across the country. The session began with a welcome address by Prof. Susmita Ghosh, the Chair of GRSS Kolkata Chapter and host of the meeting, followed by opening remarks from the GRSS India Liaison Dr. Shiv Mohan, who highlighted the importance of coordinated efforts among the chapters. Key agenda points included a status update on InGARSS 2025, presented by the Conference Chair Prof. Ashish Ghosh. It was also decided that Hyderabad Chapter will act as the host chapter for InGARSS 2026. Suggestions for future editions were also invited to expand outreach and impact. A significant portion of the meeting focused on the proposal for forming an IEEE GRSS India Council, with active discussion on its structure and potential benefits. Chairs also deliberated on enhancing the usage of IEEE GRSS virtual infrastructure, strengthening student branches (with each chapter sharing a progress slide), and reviving inactive branches. Strategies to increase engagement from Young Professionals (YP), Women in Engineering (WIE), and students were discussed, along with ideas for joint chapter activities and sustaining student branch operations. The meeting concluded with a collective commitment to enhance innovation, inclusivity, and collaboration across the GRSS India network. The meeting was attended by 6 Chapter Chairs, 4 Faculty advisors of SBCs, and 2 SBC chairs along with the former and current GRSS India Liaison.

**IEEE Industry Applications Society (IAS)
Kolkata Chapter**

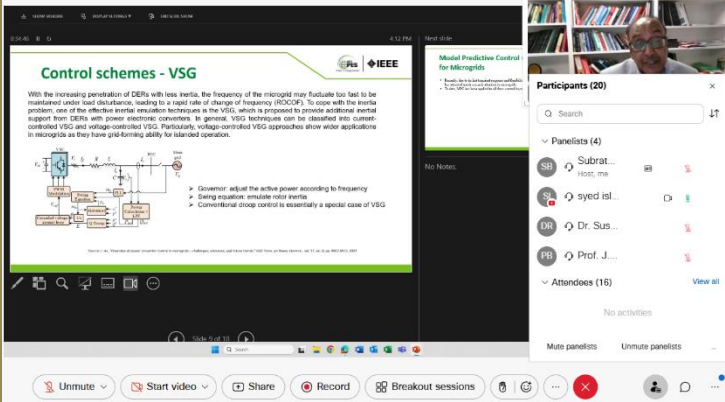
Executive Committee Meetings

During April to June 2025, two executive committee meetings were held on 10th April, and 1st May, 2025 in online mode. During this quarter IAS Kolkata planned for organising a Distinguished Lecture Program by Dr Sivaneasan Bala Krishnan (DL), Associate professor of Singapore Institute of Technology and Deputy Director SIT Teaching & Learning Academy and Dr. Sivakumar Nadarajan, Associate professor of Singapore Institute of Technology on 7th July, 2025 at B.P.Poddar Institute Technology and Management. IAS will approach IEEE, Kolkata Section and B. P. Poddar Institute Technology and Management as co-sponsor for this program.

IEEE Power & Energy Society (PES) Kolkata Chapter

IEEE PES Distinguished Lecture (DL) Program

Power & Energy Society (PES) Chapter of IEEE Kolkata Section organizes Distinguished Lecture (DL) Program on Model Predictive Control for Microgrids: From Power Electronic Converters to Energy on June 27, 2025 in online mode. Professor Syed Mofizul Islam, FIEEE, FIET, FIEAust, CPEng., Associate Deputy Vice-Chancellor (Research and Innovation) and Dean of the School of Science Engineering and Information Technology at Federation University Australia was the resource person for the event. The talk focused on the control hierarchical structure and how MPCs can improve the overall performance in the operation of a controlled microgrid. A total of 22 participants including 8 IEEE members participated in the event.




The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Control schemes - VSG" with a diagram of a microgrid and text explaining VSG (Virtual Synchronous Generator) control. A sidebar on the right lists participants, including panelists and attendees. The bottom of the screen shows Zoom controls like mute, start video, share, and record.

**Model Predictive Control for Microgrids:
From Power Electronic Converters to Energy**

Presented by

PROF. SYED MOFIZUL ISLAM
School of Science Engineering and Information Technology
Federation University, Ballarat, VIC, Australia
IEEE Distinguished Lecturer Program

 **IEEE PES CHAPTER
KOLKATA SECTION**

Register Now: <https://forms.gle/vstfWjeo2KAmr1Kc6>

Friday, June 27, 2025 | 11:00 AM (IST)

Screenshot of the Talk

Flyer of the event

IEEE Technology and Engineering Management Society (TEMS) Kolkata Chapter

IEEE TEMS Kolkata Chapter inauguration event

IEEE TEMS Kolkata Chapter inauguration event was held at Calcutta International Club on 23rd May 2025. The event was attended by senior industry leaders, CIOs, CISOs and senior academicians including Professors, Principals, Head of Departments, Directors and others. The event was graced by Dr Sameer S M, Director elect, Region 10 (2025-26), Sudeendra Koushik, PhD (Innovation Management), President Elect, TEMS, Prof Suparna Kar Chowdhury, Chair IEEE Kolkata Section and Harsh Bansal, Palo Alto.

The other speakers from TEMS Kolkata included Subhamoy Chakraborti, Chair, TEMS Kolkata, Dr. Pallab Ganguly, Vice Chair, TEMS Kolkata, Dr. Wasim Arif, Secretary, TEMS Kolkata and Dr. Tridibesh Nag, Membership Development Chair, TEMS Kolkata. The event was anchored by Sudeshna Choudhury, EC Member, TEMS Kolkata and the overall backend coordination was managed by Satya Priya Das, Treasurer, TEMS Kolkata. Prof Sandhya Pattanayak and Prof Sangita Roy, both EC members, TEMS Kolkata, played an active role in executing the event. The event was powered by Palo Alto.



Lighting of Lamp at the Inaugural Session

NEWSLETTER

IEEE KOLKATA SECTION

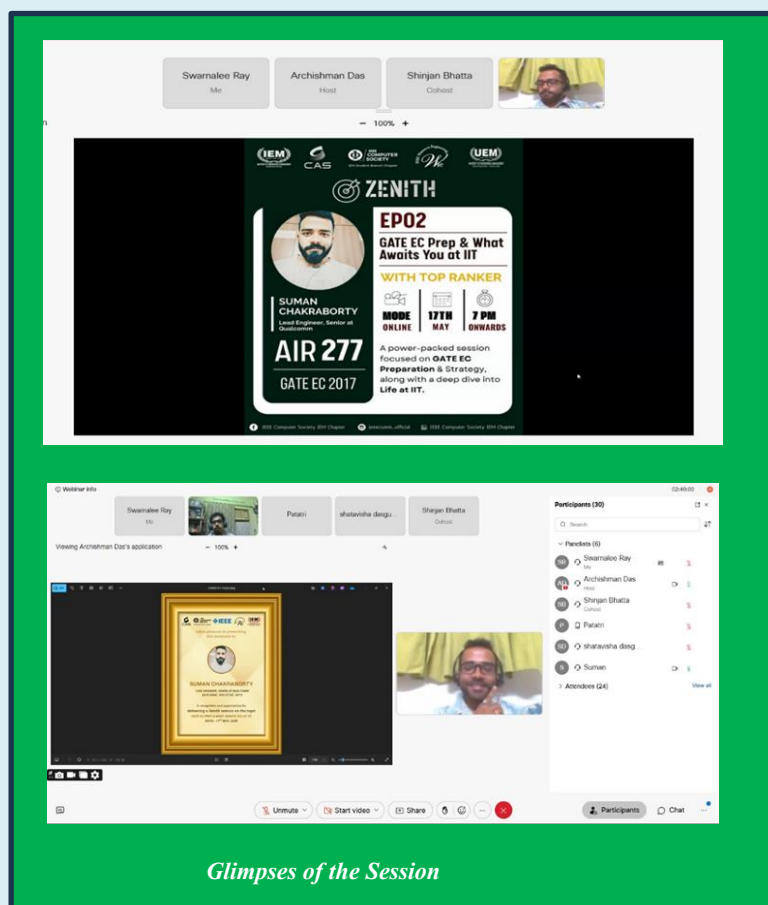
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IEM IEEE Circuits and Systems Society (CASS) SBC Kolkata Section

ZENITH

An inspiring technical session "Zenith" was conducted by the IEM IEEE CASS SBC, IEM IEEE SBC, IEM IEEE CS SBC, IEM IEEE WIE Affinity Group and, IEEE CASS Kolkata Section featuring Mr. Suman Chakraborty, a Lead Engineer and senior professional at Qualcomm, as the keynote speaker on 17th May, 2025. The program aimed to motivate engineering students to pursue excellence in competitive exams, particularly the GATE (Graduate Aptitude Test in Engineering). With years of industry experience and academic insight, Mr. Chakraborty shared practical strategies and effective preparation techniques to crack GATE and secure admission into top IITs. He emphasized the importance of consistency, conceptual clarity, and time management in preparation. Drawing from his own journey and professional growth, he encouraged students to set clear goals, start early, and utilize standard resources like previous year questions, test series, and reference books. His session was both motivational and informative, leaving students energized and more confident about their GATE journey. "Zenith" proved to be a valuable experience for aspiring engineers aiming for academic and career excellence.



NEWSLETTER

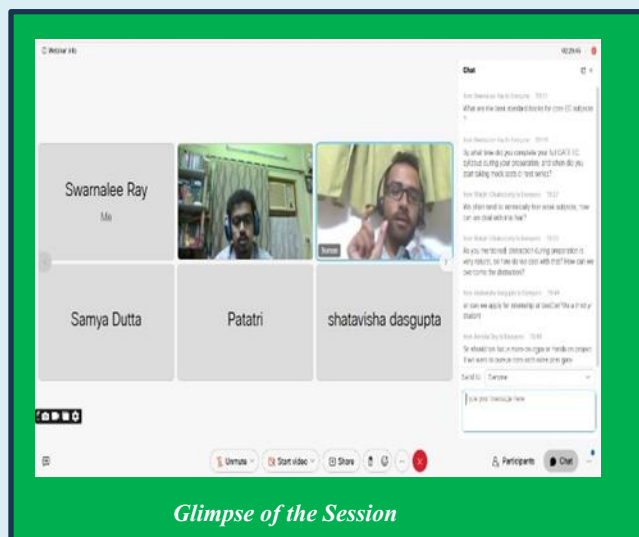
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IEM IEEE Women In Engineering SBC Kolkata Section

ZENITH

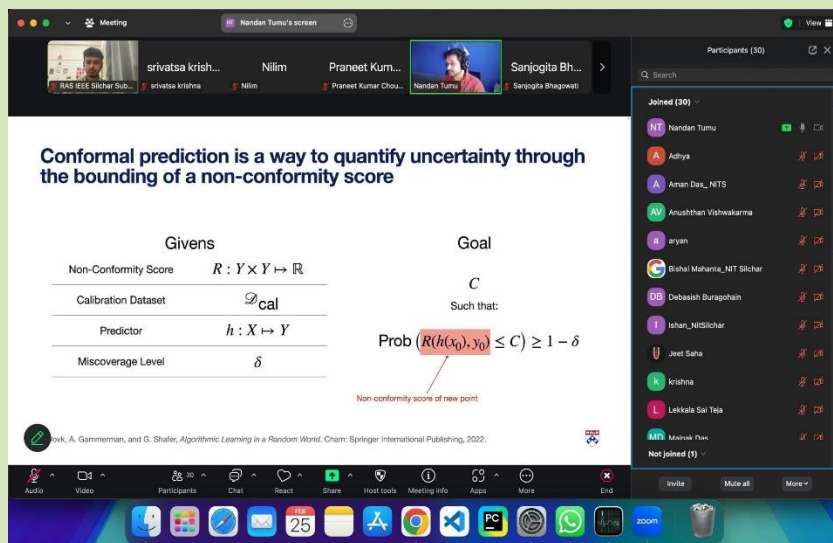


IEM IEEE Women In Engineering SBC had organized an inspiring technical session "Zenith" in association with IEM IEEE Circuits and Systems Society SBC and IEM IEEE Computer Society SBC and others, featuring Mr. Suman Chakraborty, a Lead Engineer and senior professional at Qualcomm, on 17th May, 2025 in online mode.

IEEE Robotics & Automation Student Branch Chapter, IEEE Silchar Subsection

Robotics in Random World

IEEE Robotics & Automation Student Branch Chapter, IEEE Silchar Subsection organized IEEE RAS Lecturer Program on “Robotics in Random World” on April 25, 2025 in online mode. Dr. Nandan Tamu, Post Doctoral Researcher, University of Pennsylvania, USA was the resource person for the event. 30 people participated in the event.



Glimpse of the event

Poster design competition for firefighter drones & prize distribution

IEEE Robotics & Automation Student Branch Chapter, IEEE Silchar Subsection organized Poster design competition for firefighter drones and prize distribution on May 2, 2025. Prizes were given to 3 Teams of total 15 students. A total of 20 people participated in the event.



Glimpse of the event

IEEE NIT Silchar CSS-IMS-SPS Student Branch Chapter, IEEE Silchar Subsection

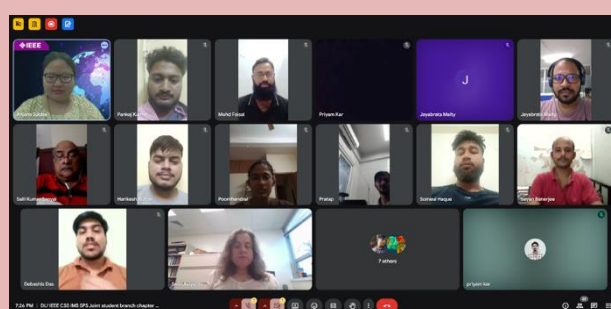
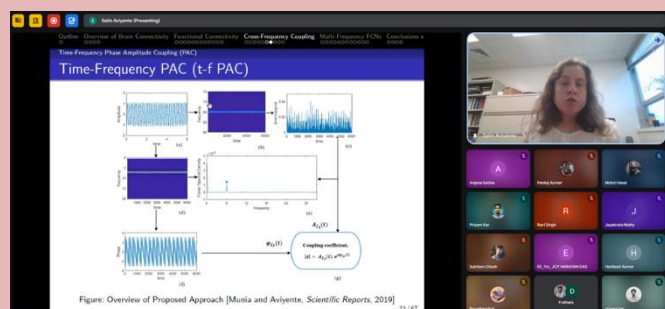
IEEE SPS Day –Student Member Meet-up & Idea Exchange



Glimpse of the event

IEEE NIT Silchar CSS-IMS-SPS Student Branch Chapter, IEEE Kolkata Silchar Subsection organized IEEE SPS Day –Student Member Meet-up & Idea Exchange on June 13, 2025 in the Seminar Room, Department of E&IE, NIT Silchar. 6 people participated in the event.

IEEE SPS Distinguished Lecture Program



Glimpses of the event

IEEE SPS Distinguished Lecture Program on “Signal Processing Methods for Quantifying Brain Connectivity” was organized on June 27, 2025 in Online mode by IEEE NIT Silchar CSS-IMS-SPS Student Branch Chapter, IEEE Kolkata Silchar Subsection. Prof. Selin Aiyente, Professor, Electrical and Computer Engineering (ECE), and Biomedical Engineering, Michigan State University, United States of America was the resource person of the event which saw participation from 45 people.

NEWSLETTER OF IEEE KOLKATA SECTION

**A COMPREHENSIVE COMPILATION OF VARIOUS
ACTIVITIES AND EVENTS OF IEEE KOLKATA
SECTION, ITS SUBSECTIONS, CHAPTERS, AFFINITY
GROUPS, STUDENT BRANCH CHAPTERS, ETC. HELD
DURING APRIL - JUNE 2025**

JULY 2025



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BENEFIT OF HUMANITY.**