

IEEE BRAC UNIVERSITY STUDENT BRANCH NEWSLETTER 2018

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GENERAL MEETING 2018

BODY

On March 22nd, 2018, IEEE BRACU SB held its annual General Body Meeting in UB-30401. The gathering was presided over by the Executive Body of 2018. Attending the event were Professor Shahidul Islam Khan (Chairperson of the Department of Electrical and Electronic Engineering), Professor AKM Abdul Malek Azad (Branch Counselor of IEEE BRACU SB), the Executive Body of 2017 along with the old and new student members.

Professor Khan and Professor Azad took this opportunity to talk to the student members about the importance of having an IEEE membership and the role it plays on one's career. Both of them commended the students for all their achievements and promised to bring them more exciting prospects in the near future. Members of the Executive Body of 2017 advised the students on how to better utilize their membership and emphasized the need to network with students, from other universities, and professionals.



IEEE BRACU SB 2018

With the constant support from Professor AKM Abdul Malek Azad, Branch Counselor of IEEE BRACU SB, the journey of the Executive Body of 2018 has successfully drawn to a close. With various seminars, technical tours and events organized along with the recruitment of a record number of new Student members, the EB of 2018 bids their farewell. They wish only the very best for the Executive Body of 2019 and hope that they will be able to take the Student Branch to even greater heights.



WORDS FROM THE CHAIRPERSON



"The journey as the Chair of IEEE BRACU SB for the year 2018 was delightful. It has been my utmost gratification to have served as the Chair."

I would like to take this opportunity to express my earnest gratitude to our Branch Counselor, Professor AKM Abdul Malek Azad Sir, for his cooperation to run the proceedings smoothly throughout the year, and to guide me towards better accomplishments for the Branch and also this year's brilliant cohort of the Executive Body who have worked wholeheartedly for the cause. I am also very thankful to every student branch member for their participation. IEEE gives you the opportunity to groom and shape yourself into a better professional. Here at BRAC University Student Branch we try to be the connecting bridge between the world outside and the Student Members, harnessing them with ways to overcome the hurdles of professional life."- Khondaker Nazib Murshed

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STUDENT MEMBERSHIP RECRUITMENT CAMPAIGN, 2018

On March 4th and September 26th, IEEE BRACU SB organized their Student Membership Recruitment Campaigns of the year. The focus of the campaigns were to encourage students to join IEEE BRACU SB and ex-members to renew their membership. Both of the campaigns were held over a two-day period on the ground floor of UB-6, one of the liveliest locations of BRACU.

The EB members and other existing IEEE student members took turns to man the campaign booth and cater to the queries of the potential recruits. The curious students who dropped by the booth were given a basic understanding of IEEE and IEEE BRACU SB and the multitude of benefits that they could reap if they became a member of this proud association. They were also handed out leaflets and brochures to help expand their knowledge of IEEE. As the campaigns came to an end, a record number of 109 students had enlisted to register for their IEEE student membership.

The enrollment of new IEEE student members is an integral part of the annual activities of the student branch as it is the students and their participation that make the branch and all its events vibrant.



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CAREER COUNSELING SESSION



"Get Prepared For The Next Challenge in Career: Hear It From The Champions" was an event organized by IEEE BRACU SB in collaboration with IEEE Young Professionals Bangladesh Section. The focus of the event, which took place on March 15th, inside the Indoor Games Room, was to guide the students in selecting a career they are passionate about and to give them pointers that would help them flourish in their professional lives. Along with a few members of IEEE YP BDS, also in attendance at the event were Mr. Jamil Wahid and Mr. ARM Abdullah Rocky.

Mr. Jamil Wahid is a Growth Specialist and Business Architect at Grameenphone Ltd. He talked the attendees through his 8-step process that allows anyone to find their calling.

Mr. ARM Abdullah Rocky is an IT Specialist Engineer at Banglalink Digital Communications. He advised the students on ways they can find comfort in a new job and fight the ever-present urge to quit.

Both of the speakers were gracious enough to take questions from the audience and give their time in properly addressing them.

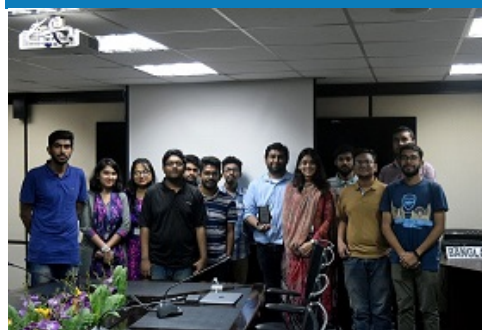
PROSPECTS OF HIGHER STUDIES 2.0



"Prospect of Higher Studies" was one of IEEE BRACU SB's most interactive seminars from 2017 and by popular demand it was brought back this year as well on July 12th. The seminar is a chance for the students who wish to complete their Post Graduate Studies or Ph.D from a foreign university to have all their questions and confusions addressed by the faculty members from the EEE Department. Attending the seminar were Md. Farhan Tasnim Oshim, Dr. Md. Hasanuzzaman Sagor and Ms. Rayhana Rakiba.

Md. Farhan Tasnim Oshim received his Master's Degree in Communications Engineering in 2015 from RWTH-Aachen University, Germany, which is a member of TU9 and IDEA league Europe. He will be joining the University of Massachusetts Amherst, USA, as a Ph.D student in Fall 2018. Dr. Md. Hasanuzzaman Sagor completed his Bachelor of Engineering degree in 2010 in Electrical and Electronic Engineering from Queen Mary University of London. He obtained his Ph.D in EEE from the University of Greenwich in the UK in 2015. He will be joining Queen Mary University of London as a faculty member from August 2018. Ms. Rayhana Rakiba pursued her Master's Degree Electronics and Electrical Engineering from the University of Strathclyde, Glasgow, UK.

DEMYSTIFYING SOFTWARE



Programming has become a quintessential part of our daily lives and IEEE BRACU SB realizes that and, therefore, wanted to raise awareness of its growing importance amongst the student members. We, thus, held a seminar on "Demystifying Software" on May 23rd, 2018, at GDLN BRAC University where the speaker was a Purdue graduate: Mr. Omar Karim. Mr. Karim, who is a Software Engineer at Digital Management, LLC (DMI), spoke to the students about the importance of programming, its potential and how to prepare oneself for a job in the software industry.

The event started at 11 am. During the first phase of the seminar, Mr. Karim went around the room asking the students about the knowledge they had about programming. Once he got a general idea of the students' current understanding, he started from there and worked up to slightly more complex ideas, making sure to ask the students questions in between too.

At the end of the seminar, Mr. Karim showed the students a mock IEEE BRACU App he had prepared and summarized how the things the students had just learned could be implemented.

AARONG DAIRY FACTORY VISIT

On July 21st, IEEE BRACU SB hosted a tour to Aarong Dairy Factory located in Gazipur. Eighteen students along with Lecturer Ms. Rakiba Rayhana and Assistant Professor Saifur Rahman Sabuj set out at 8:30 am from BRAC University. Upon reaching the factory, the attendees were given a basic overview of the work done in the factory, covering everything from the processing and pasteurizing of the milk to collecting the final outputs. Afterward, the students were physically shown the different parts of the entire process. They were guided through the facility and shown the various equipment and types of machinery which were of great interest to the aspiring engineers.



IEEEEXTREME 12.0 PROGRAMMING CONTEST

On October 20th, 2018, IEEE BRACU SB took part in the IEEEExtreme 12.0 Programming Competition for the second time in a row. A total of eight teams had registered for the competition. The 24-hour contest started at 06:00 and ended at 06:00 on the following day. Students from the CSE and EEE Departments participated in the contest, which was overseen by the Campus Ambassador and Vice-Chairperson of IEEE BRACU SB, Ishmam Mahmood, along with other members of the EB. A workshop for the contest was held previously on October 6th, conducted by Shaily Roy, a 12th-semester CSE student and the Student Branch's Webmaster, Sajjad Ahmed.



VISIT TO RAHIMAFROOZ BATTERIES LTD.

On November 17th, 2018, IEEE BRACU SB visited the Rahimafrooz Batteries Ltd. (RBL) at Zirani Bazar, Gazipur as part of the IEEE Day Celebration. Twenty-five students, accompanied by Lecturer Aldrin Nippon Bobby of the EEE Department, headed out from the University premises at 8 am. The purpose of the tour was to give the students a chance to familiarize themselves with the automobile battery manufacturing process. Mr. Partha Pratim Kundu, the Head of Manufacturing, gave a presentation on the overall operation of Rahimafrooz. Students were later escorted by the staff to visit the entire operational ground.



INAUGURATION OF PES WITH OMAR SHANTONU

November 26th, 2018, was a very auspicious day for IEEE BRACU SB. The day marked the inauguration of the Power Energy Society (PES) Chapter, a technical sub-unit of IEEE. The launch of a new Chapter served as a huge achievement for the EB Members and set a milestone in the history of the Student Branch. Present during the event was the Chairperson of the EEE Department, Professor Shahidul Islam Khan, who is the Founding Chair of IEEE Bangladesh Section and has also served as the Chair of Power and Energy Society, and BRACU Alumni Omar Shahjalal Shantonu, a Satellite Operation Engineer at Spectra International Limited, currently working on the Bangabandhu Satellite-1.



SYWL CONGRESS 2018



Ishmam Mahmood, the Vice-Chairperson of the IEEE BRACU SB, has attended the biggest event of the IEEE Region 10, as a delegate representing both her university's Student Branch and the Bangladesh Section. The Student/Young Professional/ Women in Engineering/ Life Member (SYWL) Congress 2018 was held from August 30th to September 2nd, throughout which she participated in the various sessions, events and competitions that were held during the three-day event. The opening ceremony was addressed by the General Chair, Mr. Deepak Mathur, followed by a welcome remark by the Governor of Bali. On the second day the President and CEO of the IEEE, James A. Jefferies, delivered his keynote speech.

SEMINAR ON HIGH SOLAR PV

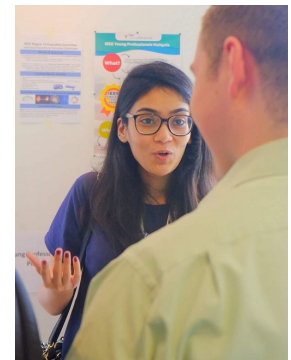


"Challenges and Opportunities of High Solar PV Penetrations to National Grid" was a seminar held on December 18th, 2018, by Professor Tapan Saha, IEEE PES Distinguished Lecturer from The University of Queensland, Brisbane, Australia. The seminar was held in the GDLN Center and was held in association with the PES Chapter. Present during the seminar were 40 Student Members and various faculties from the EEE Department.

A NOTE FROM THE BRANCH COUNSELOR, DR. AKM ABDUL MALEK AZAD



"The goal of the IEEE BRACU SB has always been to inspire students to participate in events both local and international, thereby diversifying their knowledge and building on it in different fields. The IEEE BRACU SB has been very active this year with organizing various events on top of opening "IEEE BRACU PES Student Branch Chapter" and recruiting record number of student members. I have been serving as the Counselor of IEEE BRACU SB since its inception in 2008 and also have served IEEE BDS as "Educational Activity Coordinator" for 2015 and could not be prouder of the work that we have accomplished this year. I would like to congratulate the entire team on a job well done as I look forward to what new things the coming year will bring. With that being said, I am honored to be able to present to you all the latest issue of the IEEE BRACU University Student Branch's very own Newsletter! Enjoy."



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The IEEE Bangladesh Section is the local branch of IEEE, New Jersey, USA. The IEEE headquarter in New Jersey approved Bangladesh Section on 20th November 1993 and the GEO code is R00073. From only 54 founding members IEEE Bangladesh section has grown to a family of over 2300 members. It has become one of the most active sections not only in Region 10 but also all over the world, which is proved by numerous accolades and recognition. Moreover, this year IEEE Bangladesh Section has received the IEEE MGA Outstanding Large Section Award 2018, which is the most prestigious global award that can be bestowed upon a section.

Like Bangladesh Section, IEEE BRACU SB is also vibrant and dynamic. Arranging and participating in various congresses, both national and international, conferences, seminars and competitions, it is an ever-growing student branch.

WORDS FROM THE NEWSLETTER EDITOR

"I am beyond grateful and blessed for this opportunity that Professor AKM Abdul Malek Azad Sir has given me. Serving as the Newsletter Editor for the last one year has made me grow as an editor and a writer more than I could have imagined. This Newsletter is an abridgment and a visual representation of all the hard work put in by the Executive Body of 2018. It embodies all of our successes and accomplishments. We hope that the Student Branch has greatly been benefited from all the seminars, events and workshops we have hosted. I wish the succeeding Executive Body the best of luck and prosperity."- Muntaka Waez Bari

