



# PES NEWSLETTER

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## 'OPERATION AND MAINTENANCE OF POWER PLANT ENGINEERING OF BANGLADESH' - THE VERY FIRST SEMINAR UNDER THE NEW EB !!

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On March 20th 2019, the Power and Energy Society of Brac University SB chapter in collaboration with the IEEE Student Branch of Brac University organized a seminar on 'Operation and Maintenance of Power Plant'. The aim of this seminar was to provide a clear insight into Power Plants of Bangladesh at the same time the seminar also focused on how to maintain a huge power plant and how the power industry of Bangladesh works from generating power to transmitting it to distributing it at our door steps. Moreover this seminar gave an idea about what to expect as a Power graduate



divisional Engineer at DPDC. Mr. Islam encouraged the participants to not to limit their dreams

when you start your job as a Power Plant Engineer. The entire session had been conducted by Mr. Robiul Islam, a Bracu Alumni who is currently working as a Sub-

when pursuing a job in power sector of Bangladesh. Furthermore he showed new hopes for the Power sector in Bangladesh.

### Special points of interest:

- PES provides the world's largest forum for sharing the latest in technological developments in the electric power industry
- A petition was signed to open the PES SBC on 11/6/2018
- The petition to open the SBC has been accepted on 7/10/2018
- IEEE PES BRACU
- Counselor Dr. AKM Abdul Malek Azad
- Advisor Prof. Shahidul Islam Khan

## NOTE FROM THE CHAIRPERSON !!

Firstly I am really grateful to our branch counselor Professor AKM Abdul Malek Azad sir & I am also thankful to my whole team . This experience will be my lifetime achievement to grow as a better professional. IEEE PES Brac Uni-

versity Student Branch Chapter throughout the year arranged a number of significant events , which is really good to spread the knowledge in power & energy sector .



## PES DAY CELEBRATION AT BRAC UNIVERSITY !!

Brac University celebrated their very 1st PES Day on this 24th April . The day was full of delight, glory and wonderful events .The day had many fun and engaging sessions such as Speeches from both the Chairperson of IEEE Brac University SB and PES Brac University SB , a special speech from our honorable guest who is the Chairperson of EEE department Professor



Shahidul Islam Khan and our Honorable Registrar came to spend the day with us, moreover the day had a very special feature where renowned company Polycable came and gave us demonstration .

The day was also filled with cake cutting session, quizzes ,riddle solving , movie watching and more !! .



### VISIT AT THE ORION POWER

On the 23<sup>rd</sup> March, IEEE Brac University Student Branch in collaboration with the Power and Energy Society of Brac University Organized 2019's very first Industrial Tour. This tour took place on the Orion Power Meghnahat Ltd. 30 enthusiastic students along with 2 faculty members from EEE department went on this tour. In order to enhance their practical knowledge and to let them have an overview on the activities related to Power



## PEER TO PEER ENERGY TRADING IN BANGLADESH

IEEE BRAC University Student Branch in collaboration with IEEE Brac University PES successfully organized a tutorial session on "Peer-to-Peer Energy Trading in Bangladesh : Prospects and Challenges" on 11th June 2019 at UB70403. The speaker for this very informative and interactive session was Mr. Hannes Kirchhoff , Chief Technical Officer of SOLShare. He summarized important aspects of peer-to-peer energy trading in rural and urban areas of Bangladesh and

explained how SOL-Share helped bring about improvements in the lifestyles of the people of rural area. He mainly discussed about Motivation, Sustainability, Off-grid peer-to-peer, On- grid peer-to-peer and E-mobility of peer-to-peer trading . The



**Seminar on  
The  
technology  
of sharing  
electricity !**

seminar was a huge success !!

## INDUSTRIAL & BIOMEDICAL APPLICATION OF POWER ELECTRONICS

A very effective seminar was organized by IEEE PES Bangladesh Chapter in collaboration with IEEE PES BRACU Student Branch Chapter & IEEE BRACU SB on 24/7/2019 on ' Industrial & Biomedical Applications of Power Electronics ' . Dr. Faisal Khan conducted the interesting session. Students were informed on how Biomedical field and Power Electronics are connected, how IGBT can work smartly and was encouraged to pursue further degree on Power Electronics as well . The talk was indeed a successful one. The honorable Chairperson of EEE department started the seminar by intro-



cluded the seminar.

ducing the speaker and also thanked the speaker for taking his time out and coming to Brac University and at the end con-



## NOTE FROM THE ADVISOR

We have 3 different streams which are electronics, power and communication. So the IEEE Power and Energy Society Student Branch Chapter can supplement the studies related to power. Actually IEEE supplements the map or the world of power through IEEE Power and Energy Society.

I want to see Power and Energy Society of Brac University Student Branch chapter at a very high level but here the facilities are very limited. Within this limited capacity what we can do is organize small groups and small specialized lectures which will help set the student members' goals in the area of industries or in the field of higher studies or to educate them to know about what is the scope in other parts of the world. And PES is there and PES Brac University Student Branch Chapter can take care of power.

Here students can organize talk on what is the environment of our country and how much pollutant is given by the power source in the country. Core based power station in the country are coming forward in order to work with the stu-

dents. So students should do the research on their own in order to develop and train themselves. Student members can also present their research work before other student members. PES Student Branch chapter can do some technology based film show and show videos from PES website and IEEE website. Ask power members to come and share their experience and activities. These are the type of activities I expect from the students. PES members should look on the website as it is the best way to be updated about the current activities and also student members should be proactive in the case of learning new things as well. I wish them all the very best.



## JOINT FLAGSHIP EVENT—TOURNATECH !!

IEEE Brac University student Branch in collaboration with IEEE PES Brac University Student Branch chapter & IEEE CS Brac university Student Branch Chapter jointly hosted their flagship event of this year 'Tournatech'. The competition had various opportunities for Brac university students to participate and win amazing prizes as well as a way to learn about one's potential.



## THE LAST INDUSTRIAL TOUR AT THE PARTEX POLY-CABLE COMPANY

Better to see something once than hear about it a thousands times' Just like the quote itself the Partex Cable Factory visit left all of the PES members speechless after experiencing the manufacturing process first hand, learning the importance of using skin coated cables and what not through their own eyes !! Power and Energy Society of IEEE Brac University SB visited the cable factory on 9/10/2019. It was the very last tour for this year under the executive body of 2019.



## 4TH BIRDS INTERNATIONAL WORKSHOP

4th BIRDS International Workshop was held from 25/11/2019 to 28/11/19. It was jointly organized by the Brac University, Bangladesh in cooperation with Kyushu Institute of Technology, Japan & Japan Society for Promotion of Science (JSPS) and Bangabandhu Sheikh Mujibur Rahman Aviation and Aerospace University, Bangladesh. IEEE BracU SB and IEEE BracU PES SB chapter supported the 4 day long event



The Electrical & Electronics Engineering department of Brac University along with the IEEE Power and Energy Society, IEEE PES Bangladesh section, IEEE Brac University Student Branch & IEEE PES Brac University Student Branch Chapter jointly organized the event called ICEPE 2019. It was a three day long international seminar from 14/3/2019 - 16/3/2019. The conference had many renowned personalities from academia from different parts of the world. Indeed it was a very successful seminar.



The main body and PES EBs at the ICEPE with the President of PES & with the PES IEEE BD Section Chairperson

IEEE BRAC University Power & Energy Society was launched under the IEEE BRAC University Student Branch when the petition got accepted on the 7th of October, 2018. The motive behind this student branch chapter is to make its student members competent enough in the Power and Energy sector by gathering practical knowledge in a variety of ways by visiting Power



Plants, attending technical seminars and workshops, and acquiring the opportunity to learn how the electrical distribution of a nation works. One of the greatest events of this year organized by IEEE PES BRACU SB Chapter was the three day long International Conference on Energy and Power Engineering (ICEPE) 2019 at BRAC CDM. We encourage the student members to do more collaborations for a brighter future in the power and energy sector of Bangladesh. As the Branch Counselor of IEEE BRACU SB, I would like to express my appreciation for the team's efforts and I look forward to see everything that they are going to achieve in the years ahead.

### MEET THE EXECUTIVE BODY, 2019!!

**CHAIRPERSON :**  
MD. FAQRUL  
ISLAM

**VICE CHAIRPERSON:** MD MEHEDI  
HASAN SHAWON

**SECRETARY :**  
SUMAIYA AKTER

**TREASURER:**  
FARIHA REZA  
KHAN

### IEEE BANGLADESH SECTION SYWMC 2019, IEEE BANGLADESH SECTION AWARD NIGHT AND ANNUAL DINNER 2019

On 25<sup>th</sup> December, IEEE Bangladesh Section organized the SYWMC 2019, Award Giving Ceremony and Annual Dinner at GP House, Baridhara. PES members from IEEE Power & Energy Society Brac University Student Branch Chapter went to this beautiful event. It was a daylong event from 9:00 am to 10:00 pm, which provided insights on the contributions and projects done or being done by different student chapters and also acknowledged the individuals and student branches with most impactful contributions. Our PES member went to this wonderful event in order to represent our student branch chapter.



### NOTE FROM THE EDITOR



"I am more than overwhelmed & thankful towards our branch counselor Professor A. K. M. Abdul Malek Azad Sir for giving me the opportunity to serve as the editor for IEEE PES BracU Student Branch Chapter. Working as an editor for a year has been the most exclusive & marvelous experience for me. The newsletter consists of the events all through 2019 under the elected body of 2019. I hope students can get the glimpse of the amazing events so far and expect something more phenomenal for the next year." - Fariha Reza Khan