IEEE BRAC University Student Branch 2016 Newsletter

Volume 4, Issue 1   31 December 2016

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

IEEE BRAC University Student Branch 2016

IEEE BRAC University has successfully completed its year 2016, which started back in 2008. The Executive Body members have a very vibrant goal to bring success and attain plenteous triumphs for the upcoming year. To conclude, IEEE BRAC University Student Branch is looking forward to have more achievements with the new EB members with a clear goal of success and prosperity.

Special Words From Chair, Fatin Farhan Haque

IEEE - one of the institutions that encouraged me to get enrolled when I was in my sophomore and now I am honored to serve as the Chairperson of IEEE BRAC University Student Branch for 2016; it was assuredly one of the most inspirational experiences I ever had. I had the support of an amazing executive team members which helped me to organize and manage activities in the branch. The IEEE BRAC University Student Branch has provided me the platform and I think I have been able to utilize the opportunity for the students, and I am positive that the students will be able to take any challenge in any upcoming competitions. I would like to convey my best wishes to the students to achieve more success from this branch in the future.

Inside this issue:

- IEEE BRACU Student Body 2016
- IEEE BRACU Student General Body Meeting 2016
- IEEE BRACU Study Tour to Air Force Technical Base
- IEEE Campaign 2016
- IEEE BRACU Workshop on Latex
- IEEE BRACU Video Editing Workshop on After Effects
- IEEE BRACU Technical Writing Competition 2016

Special points of interest:

- IEEE BRACU Study Tour to Air Force Technical Base
- Special words from Chair, Fatin Farhan Haque
- Special words from Counselor, Dr. A.K.M. Abdul Malek Azad
- Special Words from Editor, Anika Iqbal
One of the significant and efficacious events of 2016 was the tour to Bangladesh Air Force Technical Base organized by IEEE BRAC University Student Branch. It has been a glorious opportunity and splendid accomplishment for BRAC University as it is the first University in Bangladesh which has effectively made this tour possible. Major General (Retired) Muhammad Sa-hool Afzal, Registrar BRAC University had contributed prominently to arrange this tour successfully. The tour took place on 26th May and the bus started off from the campus premises at 8:15 am with 27 people. Among them, 25 were students who are IEEE members, following with two re-spected lecturers of Electronic and Electrical De-

IEEE CAMPAIGN 2016

The first IEEE campaign of 2016 was held on 26th January at BRAC University campus premises. 120 students have signed up and 58 students have become IEEE members for this year. The campaign started at 9 am and con-tinued till 5 pm. For campaigning, the IEEE student body arranged slide shows, distributed brochures among the students. Moreover, the volunteers of IEEE student body members were there to help the inquisitive students and described them about the perks and benefits for joining IEEE. In all, the campaign was successful!
An efficient and significant workshop on writing scientific article on Latex has been accomplished successfully at BRAC University premises on 17th May 2016. It was a two hour workshop that started at 3 pm. Irtiza Haque, System Engineer, Grameenphone Limited and Shoilie Chakma, Lecturer of BRAC University Electronic and Electrical Engineering (EEE) Department were the instructors for the event. They are also designated as the workshop Coordinator of Women in Engineering (WIE), IEEE Bangladesh Section. They showed the students different skills and techniques of writing effective scientific paper on Latex. They showed the students different skills and techniques of writing effective scientific paper on Latex. Noticeably, there was a total of 40 students attending the workshop, of them 21 were IEEE members and others were non IEEE members. Most of them were final year students.

The workshop was highly beneficial for their thesis also. At the end, Samantha Lubaba Noor, Lecturer of EEE Department and Chair of WIE, IEEE Bangladesh section gave a short speech on the use of Latex for writing scientific paper and its assistance. Finally, the event ended with distribution of certificates and light refreshments among the participants.

IEE BRACU ORGANISES WORKSHOP ON WRITING SCIENTIFIC ARTICLE ON LATEX

The workshop was held on the 8th of October 2016, Saturday with a total of 27 students. The session was conducted by Ananto, a junior year at BRAC University and working as the Assistant Director in the university’s Robotics Club. After Effects was the software that was chosen to get the students introduced to editing and animating videos and movies. To facilitate the students, the software was already installed in the desktops and hence, the session proved to be more effective. Ananto started with the explanation of very basics, such as duration, composition, background color, resolution, so that students can easily connect with the features of the software. Shohan and Fatin acted as the biggest support for conducting the session and looked into all the needs of the participants while doing their tasks. Fun videos were shown at first for grabbing the attention of all and gradually more features of importing files and by using basic concepts of physics, increase and decrease in speed were taught to students. This definitely helped them to imagine the scenario and perform the tasks of animation in the very first hour.

Moreover, concepts of varying speed, scaling, perspective, visibility and duplicating commands were taught to everyone. Overall, continuous interaction and a friendly environment aided to turn the workshop into a very successful one!
The Impact of Processing

Nafisa Nowshin Ahmed  IEEE BRACU Student Member

MIT Media Lab has introduced us to Processing, a software which has unquestionably opened thousands of doors for simulating innumerable concepts of physics and other life sciences. The most attractive feature which I discovered was while learning to build a game with it as it definitely showed me the prospects of its various applications. The Bus Game had the use of buttons, rectangles, ellipses, counter, color and many more, which do seem like very simple concepts and processes. However, the program is build in such a manner that would stimulate the area responsible for problem solving in our brains. Initially, it would reflect that the game is for young children but a difference in opinion occurs when the same program and its tasks are assigned to adults who are new to the world of coding. An introduction to computer science cannot be much more comfortable and interesting at the same time, as I have personally been through this whole experience. Be it the use of straight line equations for analyzing the direction of a falling ball or to consider the velocity and air resistance when a ball hits the ground, the software has been able to prove its worth undoubtedly as it allows an individual to visualize the real scenario. It is undeniable what the positive impact of the introduction of this software would do to the entire education system. Children, being even in middle schools, could not be taught to imagine concepts of the natural world but could be taught to code and create the real scenarios on their own. The psychological effect of this implementation would be game changing, especially in this era of technological revolution and in this part of the world. According to a report published on the website of World Economic Forum about The Annual Meeting that took place in Davos from 20 to 23 January, under the theme “Mastering the Fourth Industrial Revolution” complex problem solving would be the quality that employers would be looking for the most in 2020. Also, since 2015, the same trend has been set and the opportunity could not be wider for such proposals to bind both the upcoming and the previous generation through the leadership of the current one. To be more specific, The Tech Academy, in Dhaka, Bangladesh has made this approach their flagship and has been conducting their sessions through various short and long courses for the children and adults. An immense progress could definitely be noticed in the number of skills the non technical students have gained, which I had witnessed myself. To recapitulate, Processing has been enlightening for me in terms of perceiving any new aspect and I truly believe it has the potential to teach us to transform our imaginations into reality, well beyond our expectations.

On the 8th of November BRACU IEEE SB organized a seminar name, “ Accelerating your career Engineers’ Perspective “ in association with BRACU OSCAR. Almost 25-30 students from ECE, EEE and CSE department were present, who had a amazing opportunity to meet professionals from Thesra Services, LLC, Robi Axiata Ltd, Ericsson Bd, SSL Wireless and BAT. Discussions focused on how we can get internship offer in good firms and also about the key factors that firms look for in fresh graduates, followed by a Q&A session to know more about the opportunities available in Bangladesh.