



Issue 1 | Volume 1

# IEEE BUET SB NEWSLETTER

## Events Arranged by BUET SB since April

- Technical Talk on Blue LED
- Workshop on Robotics – Robot Tutor
- Project Show
- Experience Sharing – Life at RICE



## Events Attended by BUET SB since April

- IEEE BDS SWY Congress 2015
- IEEE Region 10 Student/YP/WIE Congress 2015
- IEEE Bangladesh Section Student Branch Ex-Com Summit 2015

## The Student Branch in 2015

The new executive committee was formed in April 2015. With the new committee in action, BUET student branch arranged several events. The events were chosen based on members' interest and whether they are keen to attend. The response from the participants of the robotics workshop was overwhelmingly positive. And so in future the branch is planning to do such events event more.

The project show was another iteration of the

regular EEE Day event organized by IEEE BUET Student Branch. Twenty eight teams from seven universities attended the event.

There were two talks; each were attended by seventy students. These talks were selected keeping young students in mind.

In July the SB attended R10 Congress in Sri Lanka. In August the activities were halted for finals in BUET. The student branch hopes to arrange different sessions in the remainder of 2015.

# EEE Day Project Show

As part of EEE Day 2015 at BUET, IEEE Bangladesh Section and IEEE BUET Student Branch jointly organized 'EEE Day Project Show' on 20th May 2015. The project show was divided into two categories. Category 1, for the students of 2nd Year and below and 2 is for the students above and including 3rd Year.

In Category 1 the Runner up project is 'Sensor Controlled Car (Android Based)' from MIST and the winner is '3D Object Scanner' from BUET.

In Category 2 the runner up project is, 'Multipurpose Voice Controlled RoboCar' and the winner is 'Anchor'.

The projects were evaluated by a judge panel. The prize giving ceremony was held with the presence of honorable chair of IEEE Bangladesh Section Dr. Shaikh Anowarul Fattah.

# Robot Tutor

The first workshop on building robots for competition was held in BUET with much enthusiasm. Selected twenty two teams were guided to make their very first line follower.

They learned about Arduino environment, interfacing of simple components with micro-controllers and assembling robot parts in the chassis efficiently.

They also learned about circuit components like, sensors, voltage regulators, boosters etc. and familiarized themselves with standard ICs and components that does these jobs.

Instructors for the event were Abul al Arabi and Khaled Bin Moinuddin.

The next Iteration of Robot Tutor is coming soon.



## Life at RICE

On 26th May 2015 a talk was given by Mehbuba Tanzid on her grad life experience at Rice University, Houston, United States. She did her bachelor in EEE, BUET and did thesis on III-V optoelectronics under the supervision of then Assistant Professor Dr. F. M. Mohammedy. She joined Rice from fall, 2014. She worked with Dr. Naomi Halas. She said her research in her group is on imaging through plasmonic nanoparticle obscourants.

She mentioned Rice's 8 graduate schools are usually ranked among top 20 and is considered a Southern Ivy league school. Being situated in Houston has some more added benefits regarding job and others.

She ended her talk with an expectation that more students from BUET will apply for the admission at Rice University.



## Talk on "Why Blue LED is Important"

*What exactly is different about blue LED? What makes it an invention of great benefit to the human civilization and makes the inventors (who were Electrical Engineers by the way) worthy of the Nobel Prize? Blue LED has piqued young students' interest very recently and these were the buzz questions that were circulating among them.*

And IEEE BUET Student Branch has organized a technical talk just to answer these questions. The speaker Mr. Soumitra Roy Joy focused on the large energy gap that made inventing blue LED a hassle. He has also briefly covered fabrication process. Later he talked about the history of the LED.