

# Join

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## The First Annual IEEE Qatar University Student Branch Newsletter

Qatar University Institute of Electrical and Electronics Engineers Student Branch



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### Field Trip to Qatar Mobility Innovation Center

On 17th September 2014, QU IEEE Student Branch arranged a field trip for its female members to Qatar Mobility Innovations Center (QMIC). QMIC is the first independent regional innovations center for leveraging the use of mobility technologies in developing intelligent solutions and smart applications. The main aim of the field trip was to introduce the students to some of the large-scale projects that QMIC is currently working on, and engaging them in a different learning experience.



### Field Trip to Kahramaa

In May 2014, QU IEEE SB, in collaboration with the Career Services Centre at Qatar University, arranged a field trip for its members to Kahramaa – Qatar General Electricity & Water Corporation. The students were first given a presentation about Kahramaa facilities. They then visited the National Control Center and observed how the electricity distribution system of Qatar is monitored 24/7. The students also visited the Water National Control Center. Here they learnt about the existing and upcoming desalination plants in Qatar.



## Planning & Organization Workshop

QU IEEE Student Chapter collaborated with QU Career Services Center to provide a two-session workshop about planning and organization on 20th and 21th of January. The workshop delivered by Mrs. Faten El Ayache (Employer Outreach Coordinator in QU). The first session of the workshop focused on magnifying the importance of planning and organization and how essential they are for effective management and the efficiency of accomplishing tasks; how it saves time and maximizes the usage of time. The second session focused on organizing and prioritizing tasks on the basis of importance and urgency.



## SOLDERING WORKSHOP

Part of QU IEEE SB soft skill workshops, QUIEEESB arranged a soldering workshop for all EE students. Mr. Ayman Ammar gave this workshop. The students were first given a presentation about the do's and don'ts of soldering in order to obtain the best results. Then groups of two students were formed and were given components and breadboards to practice their soldering skills. They were also taught how to undo a wrong soldering.



## PCB Workshop

QU IEEE Student Branch arranged a series of PCB workshops for its members. In these workshops, students got the opportunity to learn how to make a Printed Circuit Board from scratch. They also familiarized with SoftCad Eagle v.6, using the software to create the circuit's layout and following required steps to finalize the design. A faculty member of the Electrical Engineering department at Qatar University, Eng. Antonio Gonzales, offered the workshop. By popular demand, the workshop was divided

into 4 sessions, each with a capacity of 18 students.



## Safety Workshop

IEEE QU SB organized a workshop about health and safety procedures in the industry for engineering students towards the club commitment in enriching students' knowledge and involving them in the industrial life. The event was held in contribution with QDVC Company. The workshop emphasized on the significance of workers and surrounding people's health and safety when work is conducted in addition to the common hazards and dangerous incidents that are to be considered. An example of health and safety procedures' implementation in one of the major projects of Qatar Rail Company was explained.

The workshop provided a great benefit to the students as such topics are usually not addressed in academic curriculum.



# Windows Phone Design Workshop

On 25th January 2015, QU IEEE Student Branch held the 'Windows Phone Development' Workshop as part of its mid-year courses campaign. This workshop was organized in collaboration with Career Services Center at Qatar University and delivered by experts from Microsoft – Mr. Mert Unan and Ms. Raihana Alhashmi. The workshop started off with Mr. Mert providing a detailed explanation of how to create an app using the Windows App studio, which is a web application, which offers a chance for beginners to create, Windows phone apps in a simple manner and a few clicks from scratch or from a template; which cooks a source-code that could be exported to Microsoft Visual Studio. Also Mr. Mert introduced Microsoft Azure cloud platform. After that Ms. Raihana introduced the Microsoft Student Partners program, and how it aims to bring students together to realize their dreams in the technology field. She also provided an overview of the Microsoft Imagine Cup technology competition, its purpose, structure and procedure, and how it opens up opportunities.



# QUIEEE website contest 2015

The IEEE student branch in Qatar university had a designing contest for websites for the first time in 2015, where participants were asked to generate ideas and use their creativity to design a website and the best design will get the prize. All the participants will get certificates for their contribution in the contest; a student participated as a single person or as a member in a team of three people. The deadline for registering in the contest was on the 28th of February 2015.



region 8 IEEE Student Branch

جامعة قطر QATAR UNIVERSITY

IEEE Advancing Technology for Humanity

**Can You Design a Website ?**  
Join The IEEE Student Branch Website Contest

**To Know More About our Rules and Criteria :**  
<http://tinyurl.com/QUIEESB>

The Winner Will Get a Prize + Their Website Will Compete Internationally !

Or Scan The Below Barcode:

**For Registration:**  
<http://goo.gl/mQtunX>

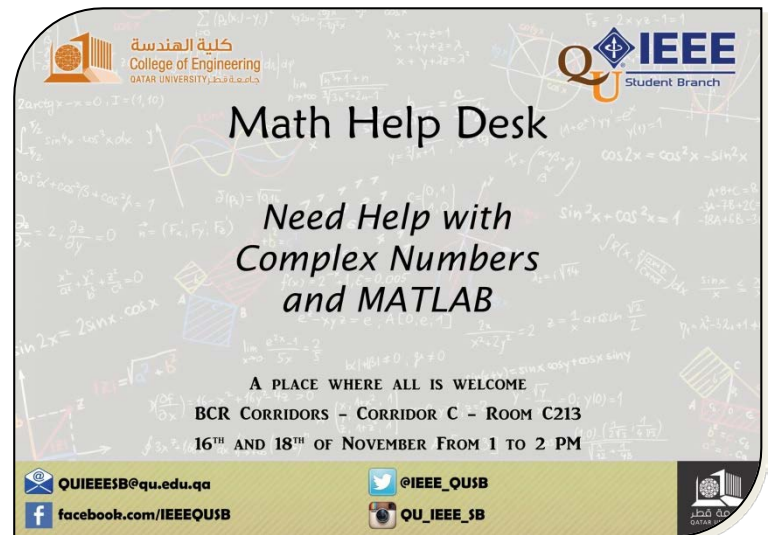
Or Scan The Above Barcode:

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For more info: [QUIEESB@qu.edu.qa](mailto:QUIEESB@qu.edu.qa)  
Hurry Up! The Deadline is 1st of February 2015

## Math Helpdesk Sessions

Initially started in Spring 2014, QU IEEE SB continued to hold Math Helpdesk sessions for the second time, in Fall 2014. These sessions, manned by graduate students are aimed to enhance the performance of Electrical Engineering students by discussing various Math topics that are frequently used and are found to be challenging for students. Held once a week in November and December 2014, the Math helpdesk sessions covered topics ranging from complex numbers to Laplace and Inverse Laplace transforms. Each topic was followed by an explanation of its usage in MATLAB.



كلية الهندسة College of Engineering QATAR UNIVERSITY

IEEE Student Branch

**Math Help Desk**

*Need Help with Complex Numbers and MATLAB*

A PLACE WHERE ALL IS WELCOME  
BCR CORRIDORS - CORRIDOR C - ROOM C213  
16<sup>TH</sup> AND 18<sup>TH</sup> OF NOVEMBER FROM 1 TO 2 PM

[QUIEESB@qu.edu.qa](mailto:QUIEESB@qu.edu.qa)  
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## Student Clubs Forum

The Student Activities Department at Qatar University organized a Club forum annually; it aims to introduce the university's students to the different clubs in the university. At the QU IEEE SB booth, volunteers were available to register new members and answer their queries. The visiting students were briefed about the benefits of joining IEEE. They were also informed about the upcoming competitions and events of our Student Branch.



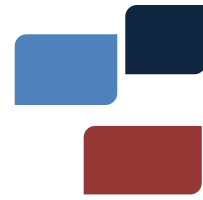
## QUIEEESB

## Orientation Day



On 24th and 25th of September 2014, QU IEEE Student Branch held an orientation day. The main aim of this event was to introduce the students to the IEEE Student Branch at QU. The students were briefed about the benefits of joining IEEE. Volunteers from our IEEE Student Branch were available to register new members and answer their queries. Over the two days, a total of 38 students registered as IEEE members. During the orientation days, a number of students also registered for IEEEExtreme 8.0, the upcoming global 24-hour programming competition.

## Lab Clean-Up Initiative



On Sunday, 13th April 2014, some female volunteers from the student branch of QU IEEE participated in an event under the title “Let’s change our labs”. The main aim of this event was to clean and organize the EE labs and to add some stationery to each workbench. Also, reminders of safety rules were put up on all workbenches. Specific benches and drawers were allocated to place different components to ensure easy access and organization.

## Engineering Week

Qatar University held its second Engineering week from 23rd-28th April 2014. This event, held annually, it helps high school and university foundation students to explore the depth of innovation and technology in different Engineering disciplines, thereby aiming to develop an interest. The Electrical Engineering department of Qatar University was represented by QU IEEE SB members. These representatives encouraged the visiting students by explaining to them the diversity of the major. In order to give the students a hands-on experience, they were given a presentation about how a simple DC motor can be built and the principles on which it works.





## End of Semester Gathering

The purpose of this event was to give the students an opportunity to socialize with colleagues, be familiar with other members of their university's IEEE Student Branch. It also served as a platform for the students to ask any questions they may have about the benefits of IEEE, upcoming competitions of IEEE and/or the student branch, etc. The event started off with an icebreaker activity and followed by an awarding ceremony for two faculty members of the Electrical Engineering department at Qatar University. These awards were presented to Eng. Antonio Gonzales for conducting the PCB workshop and Mr. Ayman Ammar for the Soldering workshop. The faculty advisor of QU IEEE SB, Eng. Amith Khandakar, then talked about the benefits of IEEE for students and the committees formed within the student branch. Following this was a talk by the Chair-person of QU who talked about the upcoming events of IEEE and the student branch (Website contest, IEEE madC, several workshops organized by the branch etc.). After that some of the IEEE members of the SB were asked to talk about any achievements/experiences. IEEE SB, Salman Badnava.

This included a presentation by a student member, Yahya Alhomsy, who has designed a home automation system. Another student, Tansnim Ismail, talked about her experience attending the Summer School in Tunisia. The event was concluded with a 'Cultural Food Party', where all attendees brought cultural dishes and enjoyed the diverse environment at the gathering.





On Sunday 11th October 2015, the IEEE Student Branch of Qatar University invited its members to celebrate the 6th anniversary of [IEEE Day 2015](#). The IEEE Day was celebrated by QU IEEE SB for the first time. The event delivered by QU IEEE board members. It was started first with a warm welcoming speech which included a short video about IEEE Day around the world and QU IEEE SB achievements. The event involved many competitions in a way to have more interaction with the audiences. During the event, QU IEEE SB 2014 board and committee members were given an appreciation certificate.



## SYP Congress, Poland August 2014

From 6th August to 10th August 2014, Salman Badnava and Mohammad Noorizadeh, two members from the QU IEEE Student Branch, attended the IEEE Region 8 Students and Young Professionals (SYP) Congress. This congress was hosted by the AGH University of Science and Technology in Krakow. This bi-annual event brings together representatives and fresh graduates of all IEEE student branches in Region 8. The students benefitted immensely from the diverse atmosphere at the Congress, socializing with IEEE members from all over the region. Moreover, the students had a chance to attend several academic and technical speeches, technical and non-technical workshops, and technical site visits



# AICCSA 2014 Conference



The ACS/IEEE International Conference on Computer Systems and Applications (AICCSA) is a premier Computer Science and Engineering Conference. It is an international forum for researchers and practitioners interested in the advances of computer systems and their applications. The 11th AICCSA was held on November 10-13, 2014, in Intercontinental Hotel, Doha, Qatar with the Computer Science and Engineering (CSE) Department at Qatar University. Twenty students from Qatar University's IEEE Student Branch volunteered for the conference; planning and managing registrations, presentation sessions and social events during the AICCSA 2014.

