



IEEE Women In Engineering Newsletter-2014 WIE Affinity Group, IEEE BD Section

WIE Affinity Group, IEEE BD Section.

Message from the Chair, IEEE Bangladesh Section



I am happy to know that the Women in Engineering (WIE) affinity Group, IEEE Bangladesh Section is going to publish a newsletter covering their activities in 2014. I want to reconfirm that IEEE Bangladesh Section is always ready to provide technical support to organize such events for young women engineers and students. I believe such activities will act as sources of encouragement for many women engineers in academia and industry to join the IEEE WIE and to enable them to grow in their profession and careers.

I express my gratitude and appreciation for the dedication, hard work and contribution of the WIE volunteers who are behind publishing this newsletter highlighting their successful events. I wish the WIE Affinity Group, IEEE Bangladesh Section all the best in their future endeavours.

A handwritten signature in black ink, appearing to read 'PK Saha'.

Dr. Pran Kanai Saha
Chair, IEEE Bangladesh Section

*Message from the Chair,
WIE Affinity Group,
IEEE BD section*



It is my privilege to be part of the WIE newsletter published by the WIE Affinity Group, IEEE Bangladesh Section featuring their activities in 2014.

The activities featured here are highly aligned with the theme of the group, which is to inspire, engage, encourage, and empower women engineers, scientists, and young professionals in Bangladesh. These activities created a wide platform to discuss and exchange ideas and experiences among all, which will definitely help the women engineers in streamlining the role of them in the development of the technical society around.

This newsletter is an effort to showcase IEEE women's achievements in Male-dominated Engineering profession in Bangladesh.

It is my honour to thank all the members, advisors and volunteers for their hard work in publishing such an informative newsletter.

Celia Shahnaz

Celia Shahnaz, Ph.D.
Chair, WIE Affinity Group, IEEE Bangladesh Section

Executive Committee 2014



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List of activities-2014

1. IEEE and WIE Membership Development Workshop at EWU
Organizer: : IEEE EWU Student Branch, WIE-BD and IEEE Bangladesh Section
Venue: East West University
Date: 16 March, 2014.
2. From Circuit to PCB: A Workshop on Circuit Design and Simulation using Proteus
Organizer: WIE Affinity Group, IEEE BD Section.
Venue: DSP Lab, EEE Department, BUET.
Date: 27 March, 2014.
3. A workshop on usage of Inspiring multimedia
Organizer: WIE Affinity Group, IEEE BD Section.
Venue: DSP Lab, EEE Department, BUET.
Date: 2 April, 2014.
4. WIE mini-workshop in ICEEICT 2014
Organizer: WIE Affinity Group, IEEE BD Section.
Venue: Department of EECE, MIST (Military Institute of Science and Technology
Date: 12 April, 2014
5. Technical Talk at Inaugural Ceremony of UIU
Venue: Department of EECE, UIU
Date: 16 April, 2014
6. IEEE WIE Special Session in ICIEV 2014
Organizer: WIE Affinity Group, IEEE BD Section
Venue: Nabab Nawab Ali Chowdhury Senate Bhaban
Date: 23 May, 2014.
7. Technical Seminar at AIUB
Organizer: IEEE AIUB and WIE Affinity Group, IEEE BD Section
Venue: AIUB
Date: 26 May, 2014
8. Workshop on Circuit Simulation and PCB Design Using Proteus at AIUB
Organizer: IEEE AIUB Student Branch And WIE Affinity Group, IEEE BD Section
Venue: AIUB
Date: 11 June, 2014.
9. Workshop on Circuit Simulation and PCB Design Using Proteus at BRACU
Organizer: IEEE BRACU Student Branch AND WIE Affinity Group, IEEE BD Section
VENUE: BRACU
Date: 19 June, 2014

- 10.** Workshop on Circuit Simulation and PCB Design Using Proteus at EWU
Organizer: IEEE EWU Student Branch AND WIE Affinity Group, IEEE BD Section
Venue: East West University
Date: 25 June, 2014
- 11.** IEEE-WIE Membership Development Workshop and Technical Seminar at Stamford University
Organizer: IEEE StamfordU Student Branch and WIE Affinity Group, IEEE BD Section
Venue: Stamford University
Date: 22 September, 2014
- 12.** IEEE Day Celebration at IUB
Organizer: IEEE IUB Student Branch, WIE-BD and IEEE Bangladesh Section
Venue: IUB
Date: 16 October, 2014
- 13.** IEEE Day Celebration at EWU
Organizer: IEEE EWU Student Branch, WIE-BD and IEEE Bangladesh Section
Venue: East West University
Date: 31 October, 2014.
- 14.** Campaign on Breast Cancer Awareness
Organizer: WIE Affinity Group, IEEE BD Section
Venue: Department of EEE, BUET, Bangladesh University of Engineering & Technology
Date: 12 November, 2014.
- 15.** Fire Safety Awareness Campaign
Organizer: WIE Affinity Group, IEEE BD Section
Venue: BUET
Date: 13 November, 2014

IEEE and WIE Membership Development Workshop at EWU

IEEE Student Branch of East West University in association WIE Affinity group and IEEE Bangladesh Section organized IEEE and WIE Membership Development Workshop” at East West University campus on March 16, 2014. All the members of IEEE Student Branch, East West University along with all other interested students from the different engineering departments participated in that event.



Participants of IEEE and WIE Membership Development Workshop at EWU

The workshop was inaugurated with the speech of Dr. M. Mofazzal Hossain, honorable Dean, Faculty of Science and Engineering, East West University. The workshop was divided into three parts and was conducted by three distinguished guests from Bangladesh University of Engineering and Technology (BUET).



Dr. Celia Shahnaz's speech on WIE membership

The first part was about the membership in IEEE along with its benefit. This part was conducted by Mr. Yeasir Arafat, Assistant Professor, department of EEE, BUET and Membership Development coordinator, IEEE Bangladesh Section.



Mr. Yeasir Arafat's speech on IEEE membership

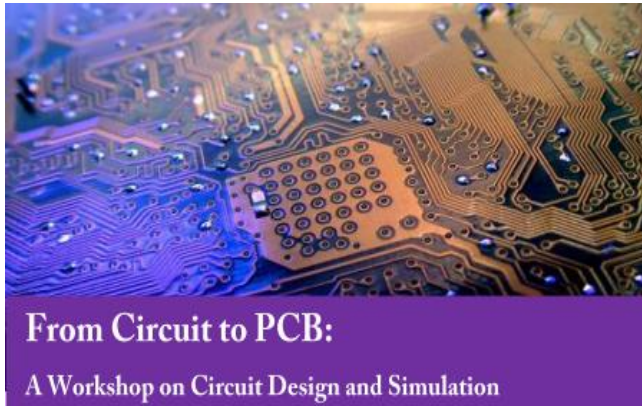
The second phase of the workshop was about the membership of WIE which was conducted by Dr. Celia Shahnaz, Associate Professor, Department of EEE, BUET and Chair, WIE Affinity Group, IEEE Bangladesh Section. Around 60 students took part in the workshop. The concluding part was a Quiz Competition for the participants based on the content of the workshop. This part was conducted by Mr. Soumitra Roy Joy, Lecturer, Department of EEE, BUET. Prizes were distributed among the winners of the Quiz competition. The participants showed their interest in joining IEEE and WIE after they got the answers of their queries about IEEE and WIE.



Prize giving Ceremony of Quiz Competition

From Circuit to PCB: A Workshop on Circuit Design and Simulation using Proteus

The first workshop on PCB layout design in the history of IEEE Bangladesh Section was organized by WIE Affinity Group, IEEE Bangladesh Section at DSP Lab, Department of EEE, BUET on March 27, 2014.



Poster for PCB workshop

M. A. Awal and Parvez Ahmmed were the guest instructors who shared first-hand knowledge about how to design and simulate a circuit with “Proteus” software and make a layout for Printed Circuit Board (PCB) through nice audio-visual presentation and their very own projects built on PCB. Dr. Celia Shahnaz, Chair, WIE Affinity Group, IEEE BD section, inaugurated the workshop. Fariah Hayee, Secretary, WIE Affinity Group, IEEE BD section, introduced to the participants the two instructors who have been recognized by NASA for their projects on Robotics. The workshop was divided into two sections. In the first section, the participants were introduced to different features of ISIS, Proteus and PCB. The instructors showed how to modify a simulation file to transfer to ARES, Proteus and add PCB packages for components which do not have PCB footprint. Simulation was showed for circuits starting from simple circuits like a 7-segment display counter to complicated ones like a digital thermometer. They also showed how to design a PCB layout with both single layer and double layer. The second section covered critical issues of Power Circuit PCBs; for example, changing default settings for different trace width for power and signal connections and creating separate zones in a PCB for high power application.



Certificate of participation from Dr. Pran Kanai Saha, Chair, IEEE BD section.

Approximately 40 undergraduate students from different universities attended the workshop and enthusiastically learnt how to use the software to implement amazing projects on PCB. It is hoped that the workshop will be of great use to the participants in their course projects as well as in national and international project competitions. At the end of the day-long workshop, each participant received a certificate of participation from Dr. Pran Kanai Saha, Chair, IEEE BD section.



Participants at the PCB Design workshop

Workshop on Usage of Inspiring Multimedia

A workshop inspiring the usage and design of multimedia contents was organized by WIE Affinity Group, EEE Bangladesh Section at DSP Lab, Department of EEE, BUET on April 2, 2014 for the first time in the history of IEEE Bangladesh Section. The guest instructor was Zafir Shafiee Chowdhury who also designed the logo and poster of the first WIE BD congress in 2013. More than 30 undergraduate students from different universities participated in the workshop.



Poster for Multimedia Workshop

The instructor introduced the participants to the basics of illustrators, its applications and demonstrated the use of illustrator. Finally, the participants were asked to create some logo or drawing based on the WIE theme using Adobe Illustrator. They spontaneously drew innovative logos that reflecting the spirit of WIE by using the skills learnt in the workshop.



Participants at the Multimedia workshop

The fun and excitement reached a whole new level at the end of the workshop with the celebration of the farewell of the passing undergraduate female students from EEE, BUET. Dr. Pran Kanai Saha, Chair, IEEE BD section and some other executive members of IEEE Bangladesh Section also joined the occasion.



Closing ceremony of Multimedia workshop

WIE mini-Workshop in ICEEICT 2014

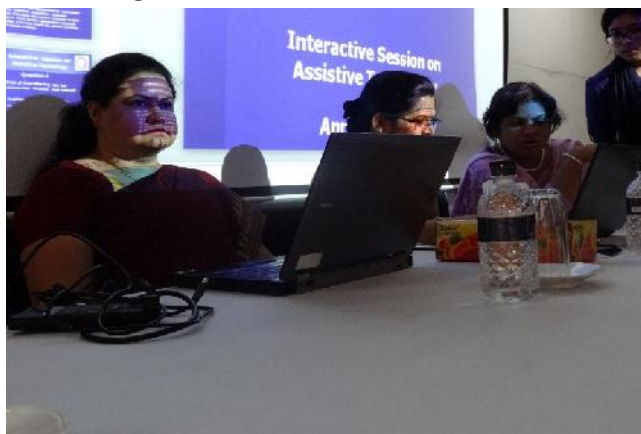
A mini-workshop organized by WIE Affinity Group, IEEE BD Section took place at MIST (Military Institute of Science and Technology) during the iCEEiCT (International Conference on Electrical Engineering and Information & Communication Technology). 50 young female future engineers from different universities participated in the workshop. The main objective of the workshop was to inspire female engineers in both academic and professional levels and raise consciousness about humanitarian technologies involving disabled people. Dr. Celia Shahnaz, Associate Professor, Department of EEE, BUET and Chair, WIE affinity group, IEEE BD section conducted the workshop with a great success. During the workshop, the following programs were held:



Poster for WIE Mini-Workshop

► Technical Talk-1

The first technical talk was delivered by Dr. Purna Gaur, Chair, WIE, IEEE Delhi Section. She is currently working as an associate professor in NSIT (Netaji Subash Institute of Technology), India. She is one of the few female engineers working in the field of power electronics. Her presentation on PV array operated Electric Vehicle (EV) and the operation of PMSM (permanent magnet synchronous motor) was very informative and drew attention of the young minds who are interested in machines and solar energy. Using PV array as the fuel of vehicles is an excellent example of stand-alone PV system and also can be a great solution to the current fuel crisis of the world as the reserved fossil fuel is diminishing at an alarming rate.



From Left, Dr. Purna Gaur, Chair, WIE, IEEE Delhi Section, Ms. Anamika Bhakta, Vice President, Technical Regulations, Corporate and Regulatory Affairs, RobiAxiata Ltd, Bangladesh and Dr. Celia Shahnaz, Chair, WIE, IEEE BD Section at the Mini-workshop.

► Professional Talk

The professional scenario of engineering was presented by Ms. Anamika Bhakta, Vice President, Technical Regulations, Corporate and Regulatory Affairs, RobiAxiata Ltd, Bangladesh. Through her "Chapter of Professional Journey", she shared her experiences and challenges as a professional engineer and discussed how she coped with those critical situations. Apart from basic engineering, hard work, dedication, decision making, problem solving attitude, proactivity, team work etc. are the qualities potential employers are looking for, she said. Through this talk, participants experienced a different side of engineering which requires not only fundamental engineering knowledge but also a set of qualities that the employers are looking for.



Participants at the WIE mini workshop.

► Technical Talk-2

The second technical talk was delivered by Dr. Celia Shahnaz. She showed a relatively new and intriguing method of biometric human identification, "ECG based human identification". She discussed the problems of old identification systems (for ex: ID card, finger print, retina scan etc.) and briefly explained how a person can be recognized by the features of his/her heart bit rate. She also discussed the future prospects of ECG based identification.

► Interactive Session

The theme of the interactive session was Assistive technology. Students were divided into groups and took part in a spontaneous mutual discussion over the topics related to assistive technologies such as hearing impairment, visual impairment, autism and use of assistive technologies in education systems.

The participants shared their views and ideas regarding these topics and also learned about the current technologies involving above-mentioned areas.



Participants at the WIE mini workshop.

► Panel Discussion

A panel discussion was conducted by Dr. Purna Gaur. The topic of discussion was the present situation and role of female engineers in the Indian Subcontinent. In this section, she shared her experience as a female engineer and placed a set of questions before the participants. Some questions were answered instantly and others were taken in a written form from every participant.

Technical Talk at Inaugural Ceremony of UIU

The inaugural ceremony of IEEE student branch of United International University (UIU) took place on April 16, 2014. **Prof. Dr. M. Rezwan Khan, honourable Vice Chancellor of UIU** was the Chief Guest in the program. Special guests were **Prof. Dr. Pran Kanai Saha, Chair-IEEE BD Section**, **Dr. Sheikh Anowarul Fattah, Secretary-IEEE BD Section** and **Dr. Raqibul Mostafa, Head of the department, EEE, UIU**. Dr. Khawza I. Ahmed (Associate Professor, Branch Counsellor-IEEE UIU Student Branch and other faculty members were also present in the program.



Cake-cutting Ceremony at UIU.

An invited talk was delivered by **Dr. Celia Shahnaz, Chair, WIE Affinity Group, Bangladesh Section**. She showed the importance of recognizing emotions in her talk. The title of the talk was "Emotion Recognition from Speech based on Entropy of Enhanced Wavelet Coefficients".



Dr. Celia Shahnaz's invited talk at Inaugural Ceremony of UIU

She discussed the existing methods of emotion detection consisting of speaker dependent and independent method and briefly explained the process of emotion recognition through the extraction of emotional features by wavelet transform. In her research, teager energy was used with the wavelet coefficients to enhance their amplitude. Finally entropy was used to reduce the feature dimension. Last of all she discussed the performance of the proposed process with the simulation results. At the end of her talk, she inspired female students to involve themselves in fundamental research. The Executive Committee and student members of

BUET, DU, NSU, AUST, EWU, AIUB, MIST and other universities joined the inspiring program.



Participants at the Inaugural Ceremony of UIU.

IEEE WIE Special Session in ICIEV 2014

A special session was organized by WIE Affinity Group, IEEE BD Section on 23rd May 2014 in the 3rd International Conference on Informatics, Electronics & Vision (ICIEV). The session was held at the Nabab Nawab Ali Chowdhury Senate Bhaban of Dhaka University.



Image: Poster of IEEE WIE Special Session in ICIEV 2014

Four peer reviewed and accepted papers were included in the session. The specialty of this session was every presenter was a female and all the authors of each paper were female engineers and researchers. **Dr. Celia Shahnaz** (Associate Professor, Department of EEE, BUET and Chair, WIE affinity group, IEEE BD section) conducted the session with a great success.

At the end of the paper presentations, an interactive session was held where the female participants of the session shared their experience about choosing

engineering as a profession and for education. They discussed about the obstacles they are facing in studying engineering or doing a challenging job. After this session, this interactive and educative event came to an end. The event was a success with the enthusiastic participation of female researchers from different universities.

Technical Seminar at AIUB

A Technical Seminar was organized jointly by IEEE AIUB Student Branch and WIE Affinity Group, IEEE Bangladesh Section on 26 May 2014. Highly esteemed speaker **Prof Sankar Kumar Pal**, Fellow IEEE distinguished Scientist, Former Director of Indian Statistical Institute (ISI) and **Dr. Celia Shahnaz**, Chair, WIE affinity group presented talks which aimed to provide students with knowledge beyond their regular coursework and inspire them in the field of research.



Dr. Celia Shahnaz's invited talk at technical seminar of AIUB.

Professor Dr. A.B.M Siddique Hossain, Honorable Dean, Faculty of Engineering initiated the seminar with a few words. **Dr. Celia Shahnaz**, the first speaker then gave a talk on the research paper entitled "**Speech Enhancement Based on Noise-Compensated Phase Spectrum**". She focused on the importance of speech enhancement, limitations of existing methods, proposed method and motivation for the work. Besides this, she also encouraged students to pursue research work in signal processing.



Prof. Sankar K. Pal's invited talk at technical seminar of AIUB.

Prof. Sankar K. Pal then presented a much awaited overview on **"Soft Computing, Machine Intelligence and Granular Data Mining"**. Being the founder of the Machine Intelligence Unit and the Centre for Soft Computing Research at the Indian Statistical Unit, he has an international reputation on the subject matter and the attendees were able to expand their knowledge on thought provoking concepts such as pattern recognition, fuzzy logic and clustering.



Dr. Celia Shahnaz at technical seminar of AIUB.

The event was also graced by the presence **Dr. Md. Abdul Mannan**, Associate Professor & Head (Undergraduate Program, Department of EEE), **Mr. Rinku Basak** Assistant Professor & Head (Postgraduate Program, Department of EEE), **Mr. Farhadur Arifin**, Assistant Professor, *Faculty of Engineering & Counselor, IEEE AIUB Student Branch*, **Mr. Chowdhry Akram Hossain**, Senior Lecturer, *Faculty of Engineering; Mentor, IEEE AIUB Student Branch & Special Asst., OSA*, **Mr. Md. Saniat Rahman Zishan**, Assistant Professor, *Faculty of Engineering & Special Asst., OSA* and **Ms. Tajbia Karim**, Lecturer, *Faculty of Engineering*. The well attended session ended with thanks giving to the speakers for their valuable time. Crests were given

as small tokens of appreciation to the honorable guests in acknowledgement of their contribution.



Closing ceremony of technical seminar at AIUB

Workshop on Circuit Simulation and PCB Design Using Proteus at AIUB

On 11th June 2014, Workshop on Circuit Simulation and PCB Design Using Proteus was organized by IEEE AIUB Student Branch and WIE Affinity Group, IEEE Bangladesh Section. The workshop aimed to educate mainly sophomore as well as other interested students about the use of the software Proteus in PCB design and simulation.



Instructors, Mr. M A Awal and Mr. Parvez Ahmed of PCB Design Workshop at AIUB

Before commencing the workshop, the activities of WIE were shared with the participants to provide them with a better understanding of WIE's objectives and goals and to encourage female students. In the main part of the event, two instructors from Bangladesh University of Engineering and Technology (BUET), Mr. M A Awal and Mr. Parvez Ahmed, members of the "BUET

Lunabotics Team 2013" in NASA's 4th annual Lunabotics Mining Competition, began the workshop by discussing properties of PCB circuits and some basic aspects of the circuit to be simulated. The sample circuit was then simulated step by step using Proteus so that students could simultaneously implement the circuit on their own. A sample PCB circuit was also displayed for students to handle and examine it by themselves. This helped them gain practical knowledge outside of their regular coursework.



Closing ceremony of PCB Design Workshop at AIUB

The workshop ended with a vote of thanks to the instructors who were presented with certificates and small tokens of appreciation for their time and effort by **Mr. Farhadur Arifin**, *Counselor, IEEE AIUB Student Branch*. All attendees were also presented with certificates in acknowledgement of their enthusiastic participation in the interactive and educative event.

Workshop on Circuit Simulation and PCB Design Using Proteus at BRACU

On 19th June 2014, "Workshop on Circuit Simulation and PCB Design Using Proteus" was organized by **IEEE BRACU Student Branch and WIE Affinity Group, IEEE Bangladesh Section and**. The workshop aimed to educate interested students from different universities about the use of the software **Proteus** in PCB design and simulation.



Participants at the PCB Design Workshop.

In the workshop, the activities of WIE were shared with the participants to provide them with a better understanding of WIE's objectives and goals and to encourage female students. **Md Shafayat Hossain**, Lecturer of Electrical and Electronic Engineering Department, BUET, began the workshop by discussing the importance of PCB design. A sample regulator circuit was then simulated step by step using Proteus and ARES (for PCB adaptation) so that students could simultaneously implement the circuit on their own.



Instructor, Md Shafayat Hossain at the PCB Design Workshop.

He also showed PCB design for dc motor control using microcontroller. A sample PCB circuit was also displayed for students to handle and examine it by themselves. This helped them gain practical knowledge outside of their regular coursework.



Ms. Marzia Alam, Senior Lecturer, BRACU presenting certificate to Instructor, Md Shafayat Hossain.

The workshop ended with a vote of thanks to the instructor who was presented with a certificate and small tokens of appreciation for his time and effort by Ms. Marzia Alam, Senior Lecturer, BRACU. All attendees were also presented with certificates in acknowledgement of their enthusiastic participation in the interactive and educative event.

Workshop on Circuit Simulation and PCB Design Using Proteus at EWU

Realizing the increasing importance of Printed Circuit Board (PCB) design in the field of Electrical, Electronic, Communication and Computer Engineering, the IEEE Student Branch of East West University and WIE Affinity Group of Bangladesh Section organized a workshop on Circuit Simulation and PCB Design Using Proteus at the East West University campus on June 25, 2014. The workshop was conducted by Mr. Shafayat Hossain lecturer, department of EEE, Bangladesh University of Engineering and Technology (BUET). 40 students took part in this workshop. In this 2-hour long workshop, the instructor showed all the basic principles of PCB Layout design which is sufficient for a student if he/she wants to master himself/herself in this topic by self-learning. Students who participated in this workshop were provided with Certificates.



Participants at the PCB Design Workshop.

IEEE-WIE Membership Development Workshop and Technical Seminar at Stamford University

IEEE Stamford University Student Branch in association with the WIE Affinity group, IEEE BD section organized an IEEE-WIE Membership Development Workshop and Technical Seminar at Stamford University campus on September 22, 2014.



Dr. Celia Shahnaz at IEEE-WIE Membership Development Workshop and Technical Seminar at Stamford University

The event was divided into two parts and conducted by Dr. Celia Shahnaz, Associate Professor, Department of EEE, BUET and Chair, WIE Affinity Group, IEEE Bangladesh Section. The first part was about the membership in IEEE and WIE along with benefits. She showed all past activities of WIE BD to inspire the female students. In the second part, she delivered a technical seminar on "Speech Enhancement based on geometric approach of magnitude compensation and noise driven phase compensation".



Dr. Celia Shahnaz's speech at Stamford.

She emphasized on the importance of performing first rate original research during the one-year thesis of undergraduate study. More than 50 students including IEEE student members and also EEE students of the university attended the workshop and seminar. Professor Dr Mohammad Jahangir Alam was also present at the workshop and seminar.



Closing ceremony of technical seminar.

IEEE Day Celebrated at IUB

IEEE Day 2014 was celebrated at the **Independent University, Bangladesh (IUB)** on 16 October, 2014. The event was jointly organized by **IEEE Bangladesh Section, WIE Affinity Group (Bangladesh Section)** and **IEEE IUB Student Branch**. Prof. M. Omar Rahman, Vice Chancellor of IUB officially inaugurated the event as the chief guest and Prof. Pran Kanai Saha, Chair, IEEE Bangladesh Section attended the program as the special guest.



IEEE Day-2014 Rally at IUB.

Dr. Shaikh Anowarul Fattah, Secretary, IEEE Bangladesh Section and **Dr. Celia Shahnaz, Chair, WIE Affinity Group, Bangladesh Section** attended the occasion as the guests of honor. **Dr. Ali Shihab Sabbir**, Dean, School of Engineering & Computer Science, **Dr. Khosru M. Salim**, Head, Department of Electrical & Electronic Engineering, Independent University, Bangladesh, **Dr. Lamia Iftekhar**, Counselor of IEEE NSU Student Branch and **Dr. Abdur Razzak**, Branch Counselor of IEEE IUB Student Branch participated the program among others.



Cake-cutting Ceremony of IEEE Day.



Participants of IEEE Day 2014 at IUB.

After the rally and inaugural session, the day-long program started with the cake cutting ceremony followed by technical talks, seminars, project show competition, robotic challenge, matlab coding challenge and technical quiz competition. The members of IEEE student branches from Stamford University, IUB, NSU, AIUB, EWU, IUT and BUET participated in the event with great enthusiasm.

The technical talk was given by Dr. Celia Shahnaz, Chair, WIE Affinity Group, Bangladesh Section. She delivered a talk on "An approach of emotion recognition was from Facial Expression Based on Variance of enhanced Wavelet coefficients. She explained the importance of recognizing emotions from facial expression. Then she proposed a new method of recognizing emotions which is better in performance compared to the existing methods. After the talk, she conducted an interactive session and the theme of the interactive session was technology for humanity and social awareness. Students were divided into groups and took part in a spontaneous mutual discussion over the topics related to health care and telemedicine for females, breast cancer awareness and prevention against fire hazards. The participants shared their views and ideas regarding these topics and also learned about the current technologies and campaigns involving above-mentioned areas.

The program ended with the prize giving ceremony among the winners of different competitions. It was an informative event, which through the exhibit of exotic projects, competitions and recreational activities, integrated the student communities from

different universities to celebrate the activities and mission and vision of IEEE.



Closing ceremony of IEEE day celebration at IUB .

IEEE Day Celebration at EWU

IEEE student branch of East West University celebrated this monumental day on the 31st of October 2014. This event was organized by IEEE EWU Student Branch & WIE Affinity group and sponsored by Techshop BD – one of the largest e-commerce in Bangladesh that sells electronic components. About 100 Students attended in this event from different universities.

This event was conducted in East West University's very own faculty lounge. The special guest speakers of this event were Dr Celia Shahnaz, Associate Professor of the Department of Electrical and Electronic Engineering at Bangladesh University of Engineering and Technology (BUET) and Sabila Enun, Senior Sector Specialist at BRAC Education Program and a Communications Specialist at Dcastalia Bangladesh.

Dr. Shahnaz presented her speech on "Modelling of Teager Energy Operated Perceptual Wavelet Packet Coefficients and adaptive Thresholding Function ". Sabila Enun who is a successful entrepreneur gave a brief talk about the challenges one must face while starting an Entrepreneurship.

At the end of the event an interactive session (consisting of a treasure hunt) was conducted for all the participating members. The individuals of the winning group were all awarded a power bank charger.



Participants of IEEE Day 2014 at EWU



Participants of Breast Cancer Awareness Campaign.

Campaign on Breast Cancer Awareness



Poster of Campaign on Breast Cancer Awareness.

Most of the girls in Bangladesh are unaware of the fact that Breast Cancer is one of the major deadly diseases among women. To promote awareness among the girls, WIE arranged a program on Breast Cancer Awareness. Samantha Lubaba Noor, Lecturer, BRAC University conducted the program. Female students of BUET joined the program. The speaker explained the reasons behind this disease and how to avoid the risk factors. She also explained the symptoms and necessary actions to be taken if any kind of symptom is found. She encouraged the students to share this knowledge with their friends and family members so that a greater mass can be made aware of Breast Cancer through this program.

Fire Safety Awareness Campaign



Poster of Fire Safety Awareness Campaign.

The risk of fire is one of the greatest threats to human life, property and the delivery of essential services in any community. The loss of life or property, as a result of fire, is a tragedy. Keeping that in mind, the first fire safety awareness campaign at BUET by the WIE affinity group, IEEE Bangladesh section was held on 13 November, 2014 at Bangladesh University of Engineering and Technology, BUET. The aim of the campaign is to promote awareness among the students about the consequences and safety issues of fire hazards, especially in home and campus.

The campaign consisted of two parts. First a presentation was showed to the participants by Mushfika Baishakhi Upama, Senior Engineer, Energypac Engineering Ltd which illustrated with graphs and pictures the frequency of fire accidents in different countries, the scenario of fire hazards in

Dhaka city and typical causes of home and campus fires. Faulty electrical appliances, cooking, unlit cigarette and candles are the and damages to properties even in the highly developed countries. So the students must be prepared and aware. It also discussed about the first aids at the event of a fire and the emergency contacts for help during fire fatalities.



Participants of Fire Safety Awareness Campaign.

After the presentation, two videos were shown to the participants to demonstrate the disasters and damages home fire can cause. It is very important to raise awareness among the young generation regarding fire. Education and awareness on preventing fires is of paramount importance, since many fires are preventable. Everyone must take steps to protect themselves by learning about how to prevent home and campus fires and taking action. Especially the future engineers should be aware of this so that in future they can contribute through their works to keep the people safe from fire. This way, fires can be stopped before they even get started!

Editorial Board-2014



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