

IEEE Islamabad Section

PART A - SECTION SUMMARY

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List
- Section Highlights
 - 22 student branches, 15 active ones
 - More than 700 members (Dec 14)
- Major Events (International, National)
 - Frontiers in Information and Technology
 - International Conference on Energy Systems and Policies
 - National Software Engineering Conference
- Major Chapter Activities
 - Control Systems chapter won the best chapter award globally
- Major Student and Affinity Group Activities
 - 7th National ElectroniX Olympiad
 - 3rd International Jinnah Social and Entertainment Carnival
 - 1st PION (Pieas national Olympiad)
 - WIE STAR Programs in multiple universities
- Awards
 - IEEE Isb section best student volunteer award
 - IEEE Isb section best student branch award
 - IEEE Isb section best WIE AG chapter award
 - IEEE Isb section best WIE AG volunteer award

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted L50)

Income:

Date	Print	Number	Name	Account	Memo	Currency	Amount (Foreign Currency)	Amount
04-04-14	Print	34426		70314 National Bank of Pakistan ISLAMABAD		PAKISTAN RUPEE	\$5,584.00	5,584.00
23-12-14	Print	34427		70314 National Bank of Pakistan ISLAMABAD		PAKISTAN RUPEE	\$80,080.00	80,080.00

Expenses:

Date	Number	Transaction Number	Name	Account	Status	Memo	Currency	Amount
16-01-14	0889664	8127	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD			PAKISTAN RUPEE	(16,000.00)
16-05-14	889666	8668	IEEE MAJU Branch	70314 National Bank of Pakistan ISLAMABAD		Financial Support to IEEE Student Branch for Carnival 2014	PAKISTAN RUPEE	(15,000.00)
16-05-14	889667	8669	IEEE PIEAS	70314 National Bank of Pakistan ISLAMABAD		Support for Control System Society Conference (Stationery Items)	PAKISTAN RUPEE	(8,000.00)
09-05-14	889668	9655	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD		Salary for the month of May 2014	PAKISTAN RUPEE	(8,000.00)
25-06-14	889669	8671	Haleem Ghar	70314 National Bank of Pakistan ISLAMABAD		Refreshment Expenses for IEEE ExCOM Meeting	PAKISTAN RUPEE	(7,900.00)
27-06-14	889670	8672	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD		Salary for the month of June 2014	PAKISTAN RUPEE	(8,000.00)

10-07-14	889671	9550	Mohsin Jamil	70314 National Bank of Pakistan ISLAMABAD	Financial Assistance for Student Award Ceremony	PAKISTAN RUPEE	(40,000.00)
23-08-14	889672	9556	Gulistan Raja	70314 National Bank of Pakistan ISLAMABAD	Funding for Student Branch (Technical Week)	PAKISTAN RUPEE	(10,000.00)
23-08-14	889673	9557	Aamer Hafeez	70314 National Bank of Pakistan ISLAMABAD	For IEEE Week 2014	PAKISTAN RUPEE	(50,000.00)
23-08-14	889674	9558	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD	Salary for the month of July 2014	PAKISTAN RUPEE	(8,000.00)
26-08-14	889675	9646	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD	Salary for the month of August 2014	PAKISTAN RUPEE	(8,000.00)
27-08-14	889676	9647	Tehzeeb Bakers	70314 National Bank of Pakistan ISLAMABAD	Refreshment Expenses for IEEE ExCOM Meeting	PAKISTAN RUPEE	(5,620.00)
13-09-14	889677	9648	Tila Muhammad	70314 National Bank of Pakistan ISLAMABAD	Financial Assistance for FETEX-2014	PAKISTAN RUPEE	(15,000.00)
23-10-14	889678	9649	Bilal Baqir	70314 National Bank of Pakistan ISLAMABAD	For IEEE Pakistan Student YP/ WIE Congress	PAKISTAN RUPEE	(50,000.00)
06-11-14	889679	9650	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD	Salary for the month of September 2014	PAKISTAN RUPEE	(8,000.00)
06-09-14	889680	9651	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD	Salary for the month of October 2014	PAKISTAN RUPEE	(8,000.00)
06-12-14	889681	9652	National University-FAST	70314 National Bank of Pakistan ISLAMABAD	Funds for ICET-2014	PAKISTAN RUPEE	(100,000.00)
17-12-14	889684	9653	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD	Salary for the month of November 2014	PAKISTAN RUPEE	(8,000.00)
17-12-14	889685	9654	IEEE-Secretariat, Region 10	70314 National Bank of Pakistan ISLAMABAD	Salary for the month of December 2014	PAKISTAN RUPEE	(8,000.00)

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years. Following table shows the total active memberships:

Month	Total Active Members
Dec-14	735
Dec-13	836
Dec-12	541
Dec-11	544
Dec-10	475

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
 - Regular meetings were held and importance of IEEE and its benefits was conveyed to students.
 - Designed IEEE benefits flyers and distributed.
 - Ensured that IEEE members get discounts on the events organized in different IEEE Student branches
 - Held multiple sessions in many student branches that covered introduction, benefits and payment methods of IEEE membership.
 - Most of students are unable to get membership because they don't have a credit card. So a credit card was arranged by young professionals in collaboration with the SSR to ensure students get memberships on time

B.2 Chapter Activities

- Total number of Chapters in the Section : 06
 - Aerospace & Electronic System Society (AEES) Chapter
 - Geosciences and Remote Sensing Society (GRSS) Chapter
 - Power Engineering/Power Electronics Joint Chapter
 - Computer Society Chapter
 - Communication Society Chapter
 - Control Systems Society Chapter Islamabad-Lahore-Karachi Joint Sections
- Number of Chapters formed in the current year
 - No new section level chapter formed in this year.
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
 - Aerospace & Electronic System Society (AEES) Chapter
 - Power Engineering/Power Electronics Joint Chapter
 - Computer Society Chapter
 - Communication Society Chapter
 - Control Systems Society Chapter Islamabad-Lahore-Karachi Joint Sections
- Summary of Chapter activities (Chapter wise with attachment table/information)

B.3 Professional and Continuing Education Activities

- Bi-monthly Section Meetings
- Conferences held:
 - Frontiers in Information and Technology
 - International Conference on Energy Systems and Policies
 - National Software Engineering Conference

Reports are attached

B.4 Students Activities

- Total number of Student Branches in the Section :22
- Number of Student Branches formed in the current year :
 - International Islamic University
 - WIE – GIK Institute
 - WIE – EME college
- Section level student activities (student congress, paper and other contests, awards etc)
 - 4-5 national level events organized by student branches
 - Regular student meetings are held each bimonthly
 - IEEE Islamabad Best student volunteer and IEEE Islamabad best student branch awards given
 - Annual General meetings initiated this year

- Number of active Student Branches: 18
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
 - Provided in Attachment

B.5 Affinity Group Activities

- Young Professional (YP):
 - Didn't Exist in 2014. Petition got approved in 2015
- Women In Engineering (WIE)
 - WIE STAR Programs held in several universities. More than 30 WIE members got involved and performed these activities in several universities. Attachment contains further information
- Life Member

B.6 Awards & Recognition Activities

- Award constituted by the Section
 - IEEE Islamabad Section Best Student Volunteer Award
 - Presented to UET Taxila SB this year
 - IEEE Islamabad Section Best Student Branch Award
 - Presented to:
 - Mr. Talha Bilal – UET Taxila
 - Mr. Salman Bhatti – GIK Institute
 - IEEE Islamabad Section Best WIE Affinity group volunteer award
 - Laiba Javed from WIE UET Taxila
 - IEEE Islamabad Section Best WIE Affinity group volunteer award
 - WIE UET Taxila
 -
- Award(s) received from R10
- Award(s) received from IEEE HQ
 - IEEE Day most enthusiastic picture award – UET Taxila

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year)
 - Currently in progress. Didn't publish in 2014
- Home Page of the Section (give the URL and how often it is updated)
 - ewh.ieee.org/r10/islamabad/
 - We are currently upgrading the link to make website more interactive. We are migrating to wordpress based solution
- Other means of contacts with Section members
 - Section members contact via following facebook groups:
 - ✧ <https://www.facebook.com/groups/ieeepakistan/>
 - ✧ <https://www.facebook.com/groups/IslamabadSection/>

Moreover in case of any announcement, members request the Student Representative to use Vtools' E-notice option.

B.8 Industry Relations

- Membership growth and retention
 - 2 members are appointed in executive committee that are responsible to bridge gaps between industry and academia
- Activities for/with industrial members
 - Several projects are planned to bridge gaps between industry and academia. Young professionals AG has recently started workshop sessions and a MOU is in progress with "The Indus Entrepreneurs"

B.9 Humanitarian Technology Activities

B.10 Community Activities

- IEEE Trek – A 3 day excursion trip to northern areas of Pakistan, organized by YP Islamabad for IEEE members
- IEEE Day celebrated across section in almost all universities

PART C - OTHERS

C.1 Special Events

C.2 Relationship with National Societies

- Pakistan Engineering Council (PEC)
- The Indus Entrepreneurs

C.3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
 - Pakistan SAC project initiated that is basically helping us connect all 3 sections on one platform
- Joint activities with any other Section
 - Workshop on Power Electronics done with Lahore Section.
 - Several sessions delivered at Pakistan Student/YP/WIE Congress where students from different sections gathered together.

C.4 Support extended to Sub-sections & Society Chapters within the Section

Islamabad section is helping Peshawar Subsection in carrying out activities actively. Moreover it is also being planned to prepare the Peshawar Sub section to become an independent section.

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

- Young Professional AG is more involved with students, assisting SAC team
- SAC team's hierarchy was remade as follows:
 - SAC chair
 - Section Student Representative (01 student from senior year)
 - Associate Section Student Representatives (02 students from junior year)

This really made things easier for students and align the processes in a better way.

- IEEE Pakistan SAC portal was made that was essentially a website, where every IEEE member from Pakistan gets his/her own profile, institute's profile, etc. Moreover you can also make registration forms and awards forms to conduct section awards. Best part is the reporting, and its one-click reports downloading.

C.6 Problems anticipated and suggestions for solutions, if any

Problem:

Membership retention especially for students after graduation.

Solution:

Awareness sessions and success stories portrayed. Graduate students were involved in many activities. Moreover, some student branches appointed graduate student coordinator in their executive committees

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

- IEEE Pakisatn SAC – Project is funded by the region. It will continue in its second phase, looping the professional activities in it.

D.2 Goals and Future Plans

Young professionals AG is just formed. With YP AG, we aim to strengthen the industry academia linkage by starting some joint projects. We are in talks with the national organizations to start skill development for undergraduate and graduate students. Membership retention is also an issue which we aim to resolve by introducing more local benefits and ideas.

Section is motivated to work forward with local industry. Conferences criteria and the issues faced last year are aimed to be resolved this year. Moreover international conferences are expecting more representation from Region 10 universities this year.

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

- Local benefits in developing countries like discounts, etc.
- Involve more industry into IEEE and help IEEE students with their graduate applications

Annex I:**Section level student activities (student congress, paper and other contests, awards etc):****1. IEEE Islamabad Section Branch Chairs' Meeting & Awards Ceremony**

Type Nontechnical
 Level Section
 Total Speakers 3
 Total Audience 35
 Start Date August 27, 2014, 1:00 pm
 End Date August 27, 2014, 6:00 pm
 Affiliations WIE,YP

By Bahria University

2. EMCOT 2015

Type Technical
 Level National
 Total Speakers 5
 Total Audience 300
 Start Date March 11, 2015, 12:09 am
 End Date March 13, 2015, 12:15 am

By COMSATS Institute of Information Technology, Abbottabad

3. EMCOT'14

Type Technical
 Level National
 Total Speakers 3
 Total Audience 1500
 Start Date May 13, 2014, 12:00 am
 End Date May 16, 2014, 12:00 am

By COMSATS Institute of Information Technology, Abbottabad

4. National Workshop on "Power Electronics with Renewable Integration"

Type Technical
 Level National
 Total Speakers 2
 Total Audience 250
 Start Date December 20, 2014, 9:00 am
 End Date December 21, 2014, 5:30 am
 Affiliations YP,PES
 vTools URL None

By International Islamic University

5. FETEX'14

Type Technical
 Level National
 Total Speakers 0
 Total Audience 400
 Start Date May 5, 2014, 12:00 am
 End Date May 6, 2014, 12:00 am

By **International Islamic University**

6. Robotics Workshop

Type Technical
 Level National
 Total Speakers 6
 Total Audience 250
 Start Date April 17, 2014, 10:00 am
 End Date April 17, 2014, 4:00 am

By **International Islamic University**

7. Workshop on 3G and 4G Cellular System

Type Technical
 Level National
 Total Speakers 2
 Total Audience 42
 Start Date November 18, 2014, 12:00 am
 End Date November 18, 2014, 12:00 am

By **Military College of Signals (NUST College of Telecommunication Engineering)**

8. National Software Engineering Conference

Type Technical
 Level National
 Start Date November 11, 2014, 12:00 am
 End Date November 12, 2014, 12:00 am

By **Military College of Signals (NUST College of Telecommunication Engineering)**

8. National ElectroniX Olympiad 2015

Type Technical
 Level National
 Start Date February 14
 End Date November 16
 Affiliations WIE,

By **Ghulam Ishaq Khan Institute of Engineering Sciences and Technology**

STUDENT BRANCH LEVEL ACTIVITIES

Muhammad Ali Jinnah University:

1) ExciteCup 2014

Type: Technical
 Level: National
 Total Speakers: 0
 Total Audience: 277
 Start Date: December 6, 2014, 10:00 am
 End Date: December 6, 2014, 6:30 pm
 Affiliations: vTools URL

ExciteCup is an IT based national level event sponsored by Microsoft, Telenor, Mashroom, Bentley Tech, which consists of seven competitions. Universities from all over Pakistan are contacted and invited to this event. Shields and Certificates are awarded in the closing ceremony to the position holders from different universities. An IT Cup is given to the university which has taken the most positions in the event. The seven competitions include:

Quiz Competition
 Software Competition
 On-Spot Programming Competition
 E-Gaming Competition
 Poster Competition
 Photography Competition
 Mushaira Competition

2) **IEEE MAJU educational trip to 'GHAZI BROTHA POWER HOUSE' 2014**

Type: Nontechnical
 Level: Local

Total Speakers: 0

Total Audience: 70

Start Date: October 24, 2014, 8:00 am

End Date: October 24, 2014, 4:00 pm

Affiliations: vTools URL

This is professional event in which almost 70 student participated out of which 20 were IEEE student members. Ghazi-Brotha Hydro Power Project is a 1450 Megawatt run of the river hydropower project on the Indus River of Pakistan comprises of 5 turbines

3) **Orientation Oath Taking Ceremony IEEE Day**

Type: Nontechnical

Level: Local

Total Speakers: 2

Total Audience: 35

Start Date: October 4, 2014, 12:00 am

End Date: October 4, 2014, 12:00 am

Affiliations: vTools URL

New Committee of IEEE M.A.J.U Student Branch was established under the Chairmanship of Rana Junaid Mukhtar which took oath on 4th October 2014.

4) **IEEE Jinnah Social NS EDUCATIONAL CARNIVAL**

Type: Technical

Level: National

Total Speakers: 0

Total Audience: 300

Start Date: May 3, 2014, 11:00 am

End Date: May 5, 2014, 9:00 am

Affiliations: vTools URL

This is a national event in which almost 250 student from other universities participated in it. It is mega event comprises of following modules
 1 Robotics
 2 Controller Magic
 3 Speed Wiring
 4 Brain Teaser
 5 Discover The leader
 6 Capture the Idea
 7 E Gaming
 8 Scavenger Hunt
 9 Sketching
 10 Photograpgy
 11 Chess Competition

National University of Computer & Emerging Sciences, Islamabad

1) **HP Technology Day**

Type: Technical

Level: Local

Total Speakers: 0

Total Audience: 120

Start Date: November 19, 2014, 1:00 pm

End Date: November 19, 2014, 5:00 pm

Affiliations:

vTools URL

IEEE NUCES Islamabad student branch, in collaboration with HP® Pakistan celebrated HP technology Day. The mission of this activity was to introduce the students with the latest technology and equipment HP is using currently. At end of this seminar, HP awarded an HP Printer to an IEEE member through lucky draw. The seminar was very interesting and beneficial for students.

2) International Robotics Challenge, IEEE Week 2014 in collaboration with IIT, Bombay

Type: Technical

Level: Regional

Total Speakers: 0

Total Audience: 150

Start Date: October 15, 2014, 11:05 am

End Date: October 15, 2014, 5:05 pm

Affiliations:

vTools URL

In this event, each team had two robots, one manual robot and one autonomous robot. The two robots had to work together to achieve some tasks. First of all the manual robot had to throw a ball into a vertical ring before entering into the restricted zone and the autonomous robot had to solve the grid by following the white lines while avoiding the nodes and carry a block from a location on the grid to the transfer zone. The manual robot then carried this block to fill the pit. Next, The manual robot had to transfer another block from the block zone to the other transfer zone.

3) IEEE Xtreme Coding 8.0 Practice

Type: Technical

Level: National

Total Speakers: 0

Total Audience: 120

Start Date: October 13, 2014, 11:00 am

End Date: October 13, 2014, 7:00 pm

Affiliations:

vTools URL

IEEE Xtreme is a global challenge in which teams of student members, supported by an IEEE Student Branch, advised and proctored by an IEEE Member, compete in a 24-hour time span against each other to solve a set of programming problems.

4) IEEE Global Day

Type: Technical

Level: National

Total Speakers: 0

Total Audience: 100

Start Date: October 1, 2014, 10:00 am

End Date: October 1, 2014, 4:00 pm

Affiliations:

vTools URL

IEEE NUCES Islamabad student branch celebrated IEEE Global Day on 1st October, 2014. The mission of this activity was to introduce the 1st and 2nd year students about IEEE. The chairman IEEE Student Branch Islamabad section who was also the chief guest of this ceremony addressed the student and shown them the importance of IEEE, its objective and different activities held all around the world by IEEE.

5) HALP Agreement Inauguration Ceremony

Type: Technical

Level: Local

Total Speakers:0

Total Audience:300

Start Date: September 11, 2014, 10:00 am

End Date: September 11, 2014, 5:00 pm

Affiliations:

vTools URL

IEEE NUCES Student Islamabad branch hosted an agreement signing ceremony where Dr. Amir Muhammad, Rector of FAST-NU and Mr. Zhousogang, Managing Director Huawei, signed the pact of Huawei Authorization Learning Partner (HALP). Assistant professor and Huawei Certified System Trainer Engr. Aamer Hafeez addressed the audience, explaining the importance of HALP and how it will serve to bridge the gaps between academia and industry. Dr. Waseem Ikram, Head of Electrical Engineering Department, highlighted some of the achievements of FAST-NU students. He also expressed his wish to establish a combined research partnership in the years to come. Mr. Zhousogang presented a shield to Rector of FAST-NU, along with a certificate of partnership. Dr. Muhammad Saeed, associate professor FAST and Huawei certified trainer and Engr Aamer Hafeez received Huawei technical literature from Mr. Falcon. Shields and souvenirs were presented to Mr. Josh Zhushu, Mr. Falcon, Mr. Saad, Mr. Altaf and Mr. _____ on the behalf of FAST-NU. The ceremony was concluded by a series of Lucky draws where students got a chance to win Wireless mouse, Huawei USB and a Huawei mobile set.

Pakistan Institute of Engineering & Applied Sciences

1) Launching Ceremony of IEEE Academic PIEAS

Type: Technical

Level: Local

Total Speakers: 4

Total Audience: 0

Start Date: December 18, 2014, 2:00 pm

End Date: December 18, 2014, 4:00 pm

Affiliations:

vTools URL

What if you are asked for the most appropriate and practically viable solution for the problems our Pakistani society is facing today? From religious extremism to sectarian fanaticism, extra-judicial blasphemy killings to inhumane vitriol attacks, whether it's gender discrimination in work places or watta-satta in rural areas, you can always trace back the pathetic and in-homogeneous education system to be the prime cause of almost all of these social ailments. "Without education it is complete darkness and with education it is light. Education is a matter of life and death to our nation," said Jinnah. So, desperate times call for desperate measures. It's the high time our civil society must come forward and dare to take the responsibility of future of its generations. Keeping in view the dire socio-economic conditions of our society, IEEE PIEAS SB decided to exploit the prestigious platform of IEEE Academic with all hopes and determination to bring about significant and visible changes in the educational system of this country. PIEAS is the very first institute to launch IEEE Academic in IEEE Islamabad Section and Talha Yasin is serving as the founding Chair.

This initiative has such a profound intention and that is simply to spread the light of knowledge. From building concepts and taking a novice on a journey of understanding of new ideas to helping a student lost in integrals or caught in a web of mingled circuits on a dark exam night, its sole purpose is to benefit the youth who are our hope for a better

tomorrow. Sprouting in our youth is the dawn of a bright future. The voice of this institution will be heard all across the globe and the world will behold the gems that PIEAS is blessed with. And by gems we mean our teachers; great minds of today nurturing great minds of tomorrow. Dear fellows, breathe in. Can you see the pride in the air? Can you feel the hope? Cherish these moments because you are witnessing something great and magical: a beginning of realization of a dream, a dream of PIEAS becoming the MIT of Pakistan.

2) **Tech-hunt (MEGAFEST'14)**

Type: Technical

Level: Local

Total Speakers: 0

Total Audience: 0

Start Date: May 11, 2014, 9:30 am

End Date: May 11, 2014, 1:00 pm

Affiliations:

vTools URL

IEEE PIEAS Student Branch also organized the event TECHHUNT in MEGAFEST '14. MEGAFEST was organized by PIEAS Thematic Society, ASME PIEAS Chapter, IEEE PIEAS Student Branch and PIEAS Cyber Gaming Club.

Techhunt was basically a Scavenger-type event bit more a technical type. The event start at 0930 sharp on 11th May 2014. It consisted of two rounds. The first round consisted of technical riddles and teams were given tasks to do hidden in those riddles. The time given was 1.30 hours. Three teams were qualified for the next round. The next round was due 2 hours. Teams were given the initial clue and they had to find further clues using this clue sequentially. Clues consisted of some riddle, or a picture of any place or a game to be completed or won from the TECHHUNT official. The first to complete was given maximum points and declared the winner by consider overall points (excluding round 1)

3) **Symposium on Recent Advances in Control Engineering**

Type: Technical

Level: Local

Total Speakers: 0

Total Audience: 0

Start Date: April 23, 2014, 9:00 am

End Date: April 23, 2014, 4:00 pm

Affiliations:

vTools URL

IEEE PIEAS SB in collaboration with Department of Electrical Engineering, PIEAS and IEEE Control Systems Society, Pakistan organized a full day Symposium on Recent Advances in Control Engineering on 23rd of April in PIEAS Auditorium. The symposium was attended by more than 60 participants of the control field, from the universities all over Pakistan. The symposium comprised of the lectures/presentations of renowned Control people in Pakistan followed by the panel discussion, including the participants and the audience as well in the afternoon session. At the End Chief Guest, Rector PIEAS gave shields to respected speaker guests and participants.

School of Electrical Engineering and Computer Sciences, NUST

1) **IEEE Day 2014**

Type: Nontechnical

Level: Local

Total Speakers: 0

Total Audience: 120

Start Date: September 29, 2014, 1:00 pm

End Date: September 29, 2014, 2:00 pm

Affiliations: WIE

vTools URL

Just like every year, after a lot of hard work and struggle to attain technological excellence and innovation, IEEE celebrated its birthday on September 29, 2014. The core purpose of IEEE is to foster technological innovation and excellence for the benefit of the society. IEEE is a hardworking society designed to serve professionals involved in all aspects of the electrical, electronic and computing fields. Following the trend of this annual celebration, IEEE Day was celebrated for the 5th time in SEECS, where the newly elected executive members for the SEECS, IEEE council 2014-2015 worked tirelessly to make the event successful and memorable. Preparations began early morning, where the entire SEECS lobby was decorated in signature IEEE colors of blue, white and purple. The decor team put in tremendous effort to make the event a big success.

The main ceremony started in the SEECS lobby with the enthusiastic participation of the students in the exciting games; wet ball, ready spaghetti and limbo dance that the IEEE events team organized for them to make this day as one of the most memorable days of the semester. The students enjoyed playing with the IEEE executives tremendously. SEECS lobby presented a picture of fun and joy after a long time amidst the tiring routine of the endless quizzes and assignments. IEEE Day, indeed, was a fresh break for everyone. The events team head, Awais Shafique, BEE-4, is completely motivated to make IEEE reach new peaks of success. This is that he told the publications team about his devotion towards IEEE: "As for myself, I found a lot of new people who are as excited for this year as much as I am. My seniors motivated me. I don't work for power; I don't work to achieve a better post in this society; I work for the betterment of this society as these people feel like family to you. As for IEEE, since it is a research oriented society, we plan to encourage the UG students to take part in the ongoing researches around the world and stop building conventional FYPs and publish at least 1 paper in their UG".

Throughout the day, the diligent IEEE membership team also held its International Membership Drive the entire day where many students were briefed about IEEE and its aims. The students were clearly told about the incentives of being an IEEE member, including a golden chance to have an international IEEE account and access to IEEE xplora where they can get free course books and Research papers. Plus, our IEEE members will be given discounts at international conferences being held by IEEE at SEECS and they will also be able to utilize the best of their potentials in the useful IEEE Workshops; C, OOP, PCB designing, Arduino Programming, Web Designing and LEGO Robotics which will be held throughout the year. The much awaited moments of the entire ceremony finally arrived!!! The cake cutting !!!

The IEEE Chair, Muhammad Akif Hazarvi and the Vice Chair, Haroon Arshad initiated the ceremony by cutting the signature blue and white cake of IEEE followed by the delighted hooting and cheering of the entire executive council, the IEEE members and students which added life to the event. September 29, 2014 was marked as a huge success from IEEE's side as not only the members, but also the eagerness of the non-members was commendable. Akif Hazarvi, shares his thoughts about the day by saying that "It was a great start for the council. Everyone was really excited for the event. It was really good and motivating to see that people from SEECS joined us on IEEE day and I hope our participants to have great time with IEEE."

Haroon Arshad, Vice Chair, commented on, "As a senior, this is my last year at SEECS and – in particular – IEEE. I feel great pride knowing that I was part of the SEECS' premier technical society for the past three years. We have had an amazing start to the year by celebrating IEEE day, and I am looking forward to working with our council to make this a historical year for IEEE at SEECS".

Finally, the ceremony was concluded by taking memorable pictures of the executive council by the talented IEEE media team which is being headed by Sumbul Aftab this year, a very active member of IEEE since last two years who has been responsible for saving all the momentous times of IEEE within the clicks of her camera beautifully.

2) All NUST Photoshop Workshop with AIESEC in Islamabad

Type: Nontechnical

Level: Local

Total Speakers: 10

Total Audience: 100

Start Date: November 20, 2014, 5:00 pm

End Date: November 20, 2014, 8:30 pm

Affiliations:

vTools URL

IEEE-SEECS Chapter keeps on striving to impart extra and meaningful knowledge to the students of NUST in order to further polish and develop their skills in various fields and to prepare them for future situations. Therefore, once again, complying with their goals, a Photoshop Workshop was conducted by AIESEC on November 20th, 2014 in collaboration with IEEE. With only a hundred and twenty slots available for the students from all over NUST, the tickets sold out surprisingly quickly reflecting the sheer enthusiasm of students.

On the prescribed day, i.e. November 20th, students from different schools; mainly SNS and SEECS, started filling out the corridors of SEECS at around 5 o'clock in the evening. With everyone finally accommodated at Shirazi Lab, Tahira Naseem, Vice President of AIESEC Islamabad declared the Photoshop workshop started by giving an intimidating opening presentation circling around AIESEC, its aims, objectives and benefits for students. She basically briefed about the benefits AIESEC provides to its students: Exchange Recruitment Program. This Recruitment Program is mainly through two processes:

Volunteer Work

Technical Internships

Tahira Naseem managed to successfully convey to the students the history and information on the branches of AIESEC in a matter of 15-20 minutes.

AIESEC was founded in 2005. Its branched across the whole of Pakistan; Islamabad, GIKI, Karachi and Lahore. To make the workshop more effective, half the students were shifted to Babbage lab and the actually 'Photoshop' was finally commenced. Executive members of IEEE Council: Arsalan Javed, Shahrukh Qasim, Ibrar Yunus, Urooj Ayub, Minhal Sherazi, Hamza Afridi, and Jamal Ahmed volunteered for this workshop. They all helped in accommodating each student with a computer and making them familiar with the Photoshop software. The workshop started with volunteers teaching the students the basics of Photoshop. They were all given handouts with detailed description of each tool. They were taught with the basics at first; editing and resizing the pictures and then moved on to the usage of advanced tools. The first 1.5 hours of the workshop were filled with volunteers trying to make the new students comfortable with the basic tools of Photoshop. Students were familiarized with Selection tool, move tool, lasso tool, magic wand, and as the time passed by, more exciting tools and the secret behind them was uncovered. Even after the tiring and hectic day, students displayed huge and appreciative amount of enthusiasm towards the workshop which just shows that the power of the thirst for learning beats everything else.

Students left no effort in asking questions regarding the Photoshop and the volunteers answered all the queries thereby satisfying their learners. Halfway through the workshop, activities were in full swing. Participants were moving on to unravel the mystery behind the magnetic tool. The time passed by with the learning process in the air and by 7 o'clock, participants were left on their own and asked to make use of their imagination and creativity. In the next one and a half hours, participants racked their minds and managed to produce wondrous results of posters.

The workshop turned out to be a successful one; one which benefitted the participants greatly. The hint of smile at the end of making their posters proved that all their time was worth a while. The workshop ended with handing over the participation certificates to the students and a group photo. The response from the participants was over-whelming. Fatima Farrukh of BEE-6B says: "I can finally give my pictures a professional touch".

Shahzeb Naveed of BEE-6C says: “It was an amazing experience. Learning from seniors really helped me in acquiring new skills about graphic designing.

Komal Nawaz of BESE-4 says: “I think it’s a really good initiative. Since I am new to it, it was very beneficial. Sarmad of BEE-5A says: “It’s been a really nice experience. Nice focus on basics.” Harim Akher of BEE-6C is of view: It was a different experience. We were a little tired but photoshop turned out to be quite refreshing.”

3) FICS Final Stage

Type: Technical

Level: Local

Total Speakers: 0

Total Audience: 100

Start Date: May 16, 2014, 9:00 am

End Date: May 16, 2014, 5:00 pm

Affiliations:

vTools URL

Afternoons are usually the laziest part of the day, not so in SEECS. On Friday the 16th of May, the SEECS UG lobby was buzzing. Buzzing with curiosity. Buzzing with anxiousness. Buzzing with ideas, ideas that could possibly change Pakistan and life as we know it. Why? It was the occasion of the final stage of FICS (Finding Innovative and Creative Solutions) and the winners were to be announced today.

After the Jumma break, various people from the industry started pouring into the SEECS UG Lobby – each an expert in their fields. These experts would stroll through all the projects on display and would actively understand and critique each and every one. If a project had areas that needed improvement or if it lagged somewhere the experts would candidly point it out and would immediately ask why it was so. The students participating were clearly under pressure but even then they proudly stood at their desks, ready, in-fact eager, to answer any query thrown at them. It was also interesting to note that whatever question was asked, the participants were ready to answer even if a question was asked completely out of the blue. It seemed that everyone had anticipated each and every question beforehand.

The lobby contained a plethora of projects and each project did not cease to amaze. If you walked past a stall you would immediately walk back to find out what it entailed. And each time you’d be happy you did.

Due to scarcity of time I could only learn about a few of these projects. But the obvious attractions were the big boy toys.

VISOR – Automated Sentry Gun

The only project that had the sign “CAUTION: Loaded Gun” sticking on it, it would be safe to say that bystanders could be found curiously looking at the project throughout the duration of the event.

There was a lot of engineering involved but simply put: you could shoot anything directly by selecting a target on the computer display.

UGV/UAV Surveillance

A six wheeled all-terrain Unmanned Ground Vehicle and a four rotored Unmanned Aerial Vehicle combine to become the coolest looking project in the arena. The aim of the project was to provide surveillance without putting human lives at risk. The UGV could travel a mile with the UAV on its back, aka base station, and then the UAV could further travel a hundred meters to provide surveillance. After its flight the UAV would land on the UGV’s base station which doubled as a charging station for the UAV as well. At 4.30 all the participants and experts were asked to attend the closing ceremony of FICS. Like clockwork everyone was seated by 4.30, with the Seminar hall filled to the end, and as scheduled the chief guest the Rector of NUST arrived.

After the recitation of the Holy Quran, as is routine, Ummay Salma of BEE4 came on stage as the host of the event. Ummay Salma gave us an overview of what FICS comprises and what the premise of such a venture by SEECS is. She highlighted that

Pakistan needs creative solution to its problems and FICS is just the means to that end. She then called on the stage Dr. Arshad, the Principal of SEECS, to address the audience. In his address Dr. Arshad told about the success of FICS 2013 and that because of this initiative students from SEECS were collaborating with people from the industry to make a non-invasive glucometer – a revolutionary piece of engineering in its own right.

Dr. Arshad also told the audience that people from the industry were so smitten by some of the ideas presented by the students that they'd already picked up seven projects to mentor even before the winners were announced. He then went on to state that no matter who wins FICS 2014, participation is mostly what matters. After this shields were presented to people from the industry as a token of appreciation and all of the mentors were individually thanked for their guidance and critique to the students.

The time finally came for the moment everybody was waiting for the prize distribution, and without further ado: In third place: VISOR – the team that brought the automated sentry gun who were awarded PKR 15,000, sponsored by Alfoze Technologies Pvt Ltd.

In second place: Braille Pad – a team that allowed braille reading to become easier for the visually impaired who were awarded PKR 30,000, cosponsored by Gilani Research Foundation and Topline Group UAE. And in first place: E-Maa – the team that will reduce the health risks to expecting mothers and their children particularly in rural areas where access to health facilities are hard to come by who were offered PKR 50,000, cosponsored by Oracle Corporation and Moftak Solutions.

Along with this the winning teams were allowed to avail the chance to be mentored at SEECS' very own Green Lab, which functions as a startup incubator. After the excitement inside the seminar hall died down a little, the Rector came to address the audience. The Rector, too, reiterated the importance and significance of platforms like FICS. He also acknowledged the role of universities in spreading the advent of entrepreneurship in Pakistan, something which Pakistan desperately needs. He went on to say that if graduating students could create jobs instead of striving to get them, then that would be the greatest gift they could back to the country. With the end of the Rector's address, FICS 2014 came to a close along, leaving behind in its wake some extraordinary products and ideas, and inspiration for all those who plan to participate in FICS 2015.

4) Inauguration of Green Lab at SEECS:

Type: Nontechnical

Level: Local

Total Speakers: 2

Total Audience: 20

Start Date: March 31, 2014, 1:00 pm

End Date: March 31, 2014, 2:00 pm

Affiliations:

vTools URL

On 17th March Jump Start Pakistan and SEECS signed a Memorandum of Understanding; the administration of SEECS and the people behind JumpStart Pakistan decided that a collaborative venture would be in both their best interests. Rest assured, when SEECS thinks about its best interests it is actually thinking about the student body. Students of SEECS have always been the entrepreneurial types, and SEECS intends on grooming this aspect. Lo and behold, the Greenhouse Lab.

A green house is a place where plants are constantly looked over, nurtured, groomed, all with constant supervision and care. This is exactly what SEECS and JumpStart plan to do, except only with students in place of plants. You come with a venture, an idea, an innovation or even just an entrepreneurial spark and the people at Greenhouse Lab will guide you to attain your goal.

At 12:55, gathered in front of the Greenhouse Lab (which is right across from our oh-so familiar Sherazi Lab) were Dr. Arshad and Dr. Zaidi along with Mr. Khurram Mujtaba,

the leading force behind JumpStart Pakistan. Dr. Arshad cut the ceremonial ribbon in order to officially inaugurate the Greenhouse Lab. Dr. Arshad and Mr. Mujtaba then took their seats inside the lab, and then signed the Memorandum of Understanding making their collaboration official. After the necessary handshakes and pictures the party moved to the Seminar Hall in the PG block.

Like clockwork, everybody was seated at 01.00 and then after the recitation of the Holy Quran, Dr. Arshad took to the stage to address the audience (most of who were from the graduating batch). He told us about a previous student of SEECS who had just recently been given a grant of USD 1 million for his venture. Dr. Arshad told everyone in the audience that this capability and potential to achieve is with everyone and that is why they've enlisted the help of JumpStart Pakistan.

Mr. Khurram Mujtaba then came on to the stage and introduced himself. Mr. Mujtaba said that he'd had a mid-life crisis and in that he realized that he wanted to change Pakistan. There were several options:— politics – but seeing the situation Pakistani politics is in, clearly going in that direction wouldn't be the smart way to go.— philanthropy – seeing as perhaps one of the greatest philanthropists, Abdul Sattar Edhi, has not been able to change Pakistan a whole lot for the better, this wasn't the way to go either.— entrepreneurship – however enabling the everyday Pakistani to change his surroundings for the better would absolutely yield great results, since almost everybody wants to change what's around them for the better.

Mr. Mujtaba then highlighted what exactly the Greenhouse Lab was set out to do. Greenhouse Lab: what it is, is a startup incubator. He then cited a code that we as entrepreneurs should follow:— Have a vision.-Equip Yourself (with the necessary tools and skill sets)-Build a team (to help you attain your vision)-Choose a path (and decide which way to go)-Have faith (especially when times are trying)-Struggle to walk on the path-Reach your Ultimate Destiny And last but not least-Enjoy the fruit of your labor. On this note Mr. Mujtaba ended his address, and as time was short, after a small Q and A session, the session came to a close. Entrepreneurs of SEECS: You have your work cut out!

5) C Programming Workshop

Type: Technical

Level: Local

Total Speakers: 8

Total Audience: 80

Start Date: October 13, 2014, 12:00 am

End Date: October 15, 2014, 12:00 am

Affiliations: WIE

vTools URL: None

What's better than helping a bunch of freshmen in coping up with the upcoming challenges? To make the beginning of their four year journey a bit less intimidating and easier? To help them with their programming skills which can make them earn millions one day? IEEE, SEECS successfully organized and conducted a 3 day C-Programming Workshop on 13th, 14th and 15th October, 2014. Programming is one of those courses which are new and the toughest to the freshmen and thus this effectively-carried out workshop by the events team, IEEE SEECS, proved to be quite beneficial for the students. The workshop was conducted in the Shirazi and Farabi Labs of SEECS with mostly the students of new batch attending the session. The success of the workshop was marked by presence of about a hundred students of the freshman batch. The workshop was formally started by the event managers of the IEEE Executive Body who briefed about the highlights of the 3-day session and also introduced the instructors; the students of BEE-4; Awais Shafique, Naqash, Fawad, BSCS student Shoaib Ahmed Siddiqui, Waqee from SE and Shahrukh Qasim from the freshman batch.

The workshop mainly focused on the basics of programming; introduction to the course, general information, functions, and loops. The 3- day session efficiently helped the

students learn and to clarify their concepts. To make the learning more effective, students were given a quiz at the end of the workshop. Besides, different queries of students regarding the course were clarified and answered by the instructors to the best of their abilities. A group photo session marked the end of this 3-day dynamic session of programming. As their positive response in the feedback speaks for it, the freshman students found the workshop extremely useful. Here is what they share with us; “This workshop was very helpful I have learned a lot from this workshop. Keep the good work up and yeah you should conduct a second workshop like this before OHT2,” says Abubakar Farooque, a BSCS-student who has currently joined SEECs. Another student, Fizza Shafiq, of the very same batch also shares her thoughts with us “It helped me through the basics as i was quite new to the programming field. A lot of my worries were banished. The workshop could have been better and a little more organized but i have no complains.”

IEEE, SEECs takes the opportunity to provide its members, a chance to nourish with an excellent experience. It promises to work hard for the betterment of humanity through innovation and technology.

6) Seminar for UG Students wishing to Study in the US

Type: Nontechnical

Level: Local

Total Speakers: 1

Total Audience: 60

Start Date: November 14, 2014, 1:00 pm

End Date: November 14, 2014, 2:00 pm

Affiliations

vTools URL: None

With the aim to familiarize students with the process of applying to graduate schools in the US, a seminar was arranged on Friday, 14th November, 2014 in SEECs seminar hall from 14:00 to 16:00, where Dr. Tahir Azim along with basic descriptions, gave tips and hints on how to increase chances of admission. A large number of students showed up, many with questions and confusions and Dr. Tahir Azim did his best to clear even the minor misconceptions.

Dr. Tahir Azim did his B.E in Software Engineering from NUST and went to Stanford University to complete his MS in Computer Science in 2007, where he continued his study for PhD in Computer Science. After his return from USA in Dec 2013, he joined NUST as an Assistant Professor. Having dealt with admission processes, he knows well the requirements of tests, essays, documentation and fees that are linked to the daunting process of applying to graduate programs in the USA.

One of the major confusions among students is of CV and resume. Many treat them as same but the difference is important. As explained by Dr. Tahir, resume should be crisp, sweet and quick to read, ideally one page long and at most one and a half page. Whereas the CV should include all the material that you feel is important enough ranging from major achievements to minor projects. However, there is no specific template and both should just look professional.

Letters of recommendation is a vital part of applications. They should be vouching for the work one describes in his resume. Dr. Tahir gave a little tip to get letter of recommendations written from someone who knows you personally enough than to run after highly ranked teachers who know nothing about you except your grades because an ideal letter of recommendation should not be generalized. It should support the work you have done, also explain why you are specifically liked by the person writing your letter of recommendation and how you distinguished yourself from everyone else. In short an ideal letter of recommendation should contain research/project work details, personal qualities and grades. Dr. Tahir showed a bad and a good example of letter of recommendation to better convey the difference between a well written letter and a generalized one.

Dr. Tahir continued to give tips on how to add weight to one's application. One important discussion was that on statement of purpose, something that plays a vital role in one's acceptance especially in case of top ranked universities because it's probably the only document in your application where you demonstrate your writing skills.

Dr. Tahir advised to give at least two weeks to writing statement of purpose and unless you are descended from William Shakespeare, you must not leave it to the last day. He also asked students to avoid using 'since childhood...' unless they built a robot at the age of seven. So, it is important to back up your statements if you do plan to mention your childhood. He showed his own personal statement but when asked to share it afterwards he jokingly said 'maybe, I don't want plagiarism issues'. The statement of purpose should be a package of your motivation for higher education, your background in your field, topped with reasons for choosing a particular programme.

What scares a lot of students is the GRE test. A computer based test with three parts; Quantitative, Verbal and Analytical. Dr. Tahir took the opportunity to guide students on how to pass this test. He also mentioned that it's better to give the test as early as possible so one has a chance of retest to improve scores. The score requirement for top ranked universities is 85-90+ percentile in quantitative and analytical part and a decent verbal score of 65-70+percentile. Whereas lower ranked universities accept 75+ percentile in GRE. The key to GRE is time management, so it's all about two things; vocabulary and time. Even with a good vocabulary, time can cause one to self-destruct so it's important to remember that time is an enemy and you need to practice to defeat it. Without practice you would fail miserably. Dr. Tahir advised to take help from the popular Barrons book for the verbal part of GRE test. For a good vocabulary, however, it is important to develop the habit of reading which automatically improves vocabulary because you get to know how different words would appear in different contexts and resultantly you are able to understand with ease the relatively complex English. The quantitative part is not composed of calculus with a lot of geometry, data and graphs. One important point to remember is that there are no partial credits so must have right answer at the end. For this part of GRE a quick tip by Dr. Tahir was to use mathematical shortcuts to manage time effectively and along with remembering mathematical theorems, must also learn to apply them. Another tip was to make intelligent guesses and move on in case of failure in solving a question. The analytical writing part of GRE holds less weightage comparatively. In this part you are required to critic an argument, point out flawed assumptions or logical flaws in the given argument and be able to evaluate using evidences and provide alternate reasons. A quick tip, given by Dr. Tahir, was to avoid using generalization, logical fallacies and arguments based on religion and ideology.

Alongside application requirements, Dr. Tahir also shared information about financial requirements. PhD is free if application accepted but for MS \$20,000 to \$60,000 is required. A good news, there are a lot of jobs in the USA for computer science students so if one is able to avail the opportunity of going to the US for higher studies and manages to get a TAsip, he will be good to go. In Addition to this, a CS/EE graduate from a top ranked university can easily get a job of \$70k-\$100k, so this guarantee is enough of a motivation. Even though Dr. Tahir managed to answer several questions and clear most misconceptions, two hours were less for a seminar this informative. Therefore, it wasn't a surprise to watch students surround him outside the seminar hall with a flood of questions.

University of Engineering & Technology, Peshawar

1) Space exploration and empowering women

Type: Technical

Level: Local

Total Speakers: 0

Total Audience: 0

Start Date: May 20, 2014, 10:00 am

End Date: May 20, 2014, 11:00 am

Affiliations

vTools URL: None

Zainab Nagin, engineer for the Mars Curiosity Rover project of the National Aeronautics and Space Administration(NASA), is in Pakistan on a program about space exploration; science, technology, engineering and mathematics(STEM) education; and empowering women and girls. She will be talking about NASA and space exploration and empowerment of women and girls in a Video Conference Session as per program:

Session Date: 20th May 2014

Venue: UET Video Conference Hall, Main Campus

Session Time: 10 am to 11 am. (students to reach the hall at 09:45 am)

Students and especially female students are encouraged to participate. Spread this word to as many students as possible especially female students.

2) IEEE TECHNO-ARTICLE WRITING COMPETITION

Type: Technical

Level: Local

Total Speakers: 0

Total Audience: 0

Start Date: April 16, 2014, 12:00 am

End Date: April 22, 2014, 12:00 am

Affiliations

vTools URL: None

IEEE is organizing an Article writing competition. Any undergraduate student can participate from all over the country. The Objective of the event is to encourage the student to research work. Participants will have to write an Article About anyone of the following Topics:

- 1) 3G Mobile Technology.
- 2) Cloud Computing
- 3) Android Technology

University of Engineering & Technology, Taxila

1) IEEE Day 2014 Celebrations

Type: Nontechnical

Level: Local

Total Speakers: 4

Total Audience: 40

Start Date: October 23, 2014, 12:30 pm

End Date: October 23, 2014, 2:00 pm

Affiliations: WIE

vTools URL

After hard and long planning, the day finally came, that's right the day which unites all branches around the world to a common cause, a day that reminds students behind the purpose of creation of IEEE, the IEEE Day. For the very first time in its history the IEEE cabinet at UET Taxila mustered the resources to celebrate IEEE Day like many other Student Branches through out the world. The celebrations started off officially with the name of Allah, followed by a motivational speech by the branch General Secretary Danish Imtiaz that appreciated the executive body of their continuous hard work and tireless efforts in the past few weeks, especially for their efforts during Student Week UET Taxila, 2014. Following the speech the ceremony proceeded officially by the cutting of the cake by the Cabinet members altogether. A photo session was conducted afterwards to remind the students next year to keep up the started tradition by the current committee. The celebrations ended with a formal discussion between the members on the upcoming events and how the team can better their efforts for upcoming events.

2) Prize Distribution Ceremony, Technical Week 2014

Type: Nontechnical

Level: Local

Total Speakers: 5

Total Audience: 320

Start Date: May 2, 2014, 12:00 pm

End Date: May 2, 2014, 2:00 pm

Affiliations

vTools URL

The Prize Distribution Ceremony of Technical Students Week 2014 was organized by IEEE in association with SIEP(Society of Innovative Electrical Professionals), ICE (Institute of Civil Engineering) and IIE(Institute of Industrial Engineering).

The Winners and Runner Ups of the competitions were given Shields and Certificates by the Chief Guest. Cabinet and Office Bearers of the societies were also presented shields on the successful completion of Technical Week 2014.

3) PLC, SCADA & HMI Workshop by EESINT Batch 2

Type: Technical

Level: Section

Total Speakers: 1

Total Audience: 30

Start Date: November 17, 2014, 12:00 am

End Date: November 28, 2014, 12:00 am

Affiliations

vTools URL

IEEE Student Branch UET Taxila in collaboration with Electrical Engineering Solutions PVT. LTD. bring to you for the very first time a 10 Day Workshop on Programmable Logic Controllers, SCADA and HMI. The very backbone of Industrial Automation involves the use of PLC's with their growing importance here's your opportunity to master one. With on hands training on SIEMENS PLC Training Kits including hardware and software from a team of highly trained professionals. Course Contents:

PLC (Programmable Logic Controllers)HMI (Human Machine Interface)SCADA (Supervisory Control & Data Acquisition)

4) Know It All !!!

Type: Technical

Level: Local

Total Speakers: 5

Total Audience: 60

Start Date: April 30, 2014, 12:00 pm

End Date: April 30, 2014, 4:00 pm

Affiliations

vTools URL

Know it all was a quiz competition which was organized by IEEE in technical Week 2014. Event was held on 30-04-2014. It was a simple, informative and interesting quiz competition. Great response was showed by all Uetians towards the event making the event one of the most successful events of IEEE.

Bahria University

- | |
|--|
| <ul style="list-style-type: none"> a. Research Paper Writing Seminar by WIE IEEE BUIC b. IEEE BUIC Workshop on Arduino & Proteus c. DSLR Photography Essentials Workshop by IEEE BUI & Nikon Pakistan d. Defence Day Celebrations by IEEE WIE BUIC |
|--|

- e. IEEE BUIC Summer Internship Program 2014
- f. IEEE Bahria University Sports Gala 2014
- g. IEEE BUIC Seminar on Career Counseling & Road Towards Post-Graduate Studies
- h. IEEE BUIC Session on Proteus
- i. NERC Introductory Session by IEEE BUIC
- j. IEEE BUIC Sessions on Robotics
- k. How to become a Google Student Ambassador

Military College of Signals (NUST College of Telecommunication Engineering)

- a. E-Gaming
- b. Photography Competition "Keeping It Reel"
- c. Scavenger Hunt
- d. Workshop on HTML/CSS
- e. Workshop on PCB Designing
- f. Workshop on MATLAB
- g. Workshop on Aurdunio Board Development
- h. Workshop on Android Based Mobile Application Development
- i. Farewell Dinner to the previous Executive Committee from the new office bearers
- j. Voyage on Telecommunication

COMSATS Institute of Information Technology, Abbottabad

- a. ExCom'15 Elections
- b. A Plain Talk on Smart Grid Technology
- c. Workshop on Arduino Interfacing and Circuit Modeling
- d. Modern Embedded System Design Tools (Linux & Raspberry Pi)
- e. C# Development Microsoft Workshop

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology

- a. Intra IEEE Robotics Competition Winners' Ceremony
- b. Intra IEEE Robotics Competition FEE
- c. Intra IEEE Robotics Competition FME
- d. Intra IEEE Robotics Competition FES
- e. Research Paper Write-Up Seminar
- f. Birthday Celebrations
- g. IEEE Formal Welcome
- h. IEEE Intra Football Match
- i. Informal welcome
- j. IEEE Star Program
- k. Line Tracking Robot Workshop
- l. IEEE Inductions Finals
- m. IEEE Inductions
- n. WIE activity
- o. Successful IEEE Week Celebration
- p. IEEE WEEK DAY 5
- q. IEEE WEEK DAY 4
- r. IEEE Day
- s. IEEE WEEK DAY 2
- t. IEEE WEEK DAY 1
- u. IEEEGIKI Friendly Football Match
- v. IEEEGIKI After Summer Gathering
- w. MATLAB Workshop
- x. IEEE GIKI Farewell
- y. NEO'14 Celebration
- z. International Membership Drive I IEEE GIKI SB

- aa. IEEE GIKI Handover Ceremony
- bb. Soldering and PCB design workshop
- cc. Arduino Workshop

International Islamic University

- a. Networking Concept and Redundant Network Gateways
- b. Orientation & Welcome Party Fall-2014 organised by IEEE IIUI SB 2014
- c. Award Ceremony, Cabinet Transfer & Alumni Dinner of IEEE IIUI SB
- d. Seminar Series for graduates and faculty members
- e. Seminar on Study and Life

Annexure II**Ex-Com Meeting**
IEEE Islamabad Section**Held on: June 18, 2014**

Attended by:

- 1) Dr. Aftab Ahmed Maroof, Chairman
- 2) Dr. Muhammad Mansoor Ahmed, Chair Education Activities
- 3) Air Cdre (R) Mansoor Malik, Member Ex Com
- 4) Dr. Amir Qayyum, Chair Computer Society
- 5) Dr. Muhammad Uzair Khan, Secretary/Treasurer
- 6) Dr. Omar Khan Khattak, Chair GRSS Chapter
- 7) Dr. Mohsin Jamil, Chair Student Activities
- 8) Dr. Zohaib Zafar Iqbal, Communications Chair**
- 9) Dr. Durdana Habib, WIE Chair**
- 10) Brig. Fahim Arif, NUST
- 11) Dr. Arshad Ali Shahid, FAST-NU, Islamabad
- 12) Dr. M. Anwar Mughal, NESCOM, CESAT
- 13) Dr. Sheheryar Malik, Riphah International
- 14) Dr. Seemab , MCS NUST
- 15) Dr. Naima, MCS NUST
- 16) Dr. Muhammad Murtaza Khan
- 17) Mr. Bilal Baqar, SSR
- 18) Engr. Aamer Hafeez, FAST-NU, Islamabad
- 19) Mr. Walid Bin Shahid, NUST
- 20) Mr Farrukh Jamal, IEEE YP
- 21) Mr.Hammad, IEEE YP

Following was the agenda of this meeting:

- I. Review of Previous Ex-Com Meeting Minutes
- II. **Follow up items from Previous meeting**
- III. Nomination of News Chair for Islamabad Section News Letter
- IV. **Formation of SIGHT**
- V. Societies and Affiliates Progress reports
- VI. IEEE Funding Policy for Public Sector Universities
- VII. Call for Actions Circulated by IEEE Region-10
- VIII. WIE Projects presentation
- IX. Closing reports of the conferences
- X. IEEE Week 2014 Presentation

In this meeting,

- I. The minutes of the previous meeting dated April 04, 2014 already communicated were reviewed and confirmed.
- II. Three nominations for vacant positions were announced by Dr. Aftab Maroof. Dr Mohsin Jamil for Student Activity Chair, Dr Zohaib Zafar for Electronics Communication Chair and Dr. Durdana Habib for WIE chair were nominated. The nominees were introduced to the ex-com and upon unanimous approval, appointments were approved.
- III. Non-existence of Islamabad section newsletter was pointed out by Dr. Aftab due to the Chair seat being empty. Members Ex-com were invited to present their nominations as chair Newsletter. After discussion, it was decided that Chair would be offered to Riphah International University. Dr. Sheheryar of Riphah International University was tentatively given the position of chair newsletter.
- IV. Upon a suggestion from Engr Mansoor, formation of a new committee with the name of SIGHT was agreed upon by the members of Ex-com in order to look into any future projects by IEEE, review the funding and make sure of their timely completion.
- V. Progress reports of several societies and affiliated groups of the section were discussed. Here, instructions of timely reporting of events on VTools were given by Dr. Aftab. Some important announcements regarding change of positions of chairs of different societies were also made. Along with this, approval for the formation of IEEE Young Professional affinity group was also given.
- VI. Funding policies regarding projects were discussed along with the factors that lead to non-completion of projects. New policies were proposed to tackle this situation which were approved by Ex-com.
- VII. Call of action by region 10 were presented to Ex-com where they were asked to take necessary action. More over, nominations for IEEE Section congress 2014 were announced and Ms. Maryam was nominated to represent Islamabad section.
- VIII. Two proposals were given to Ex-com by Dr Durdana of WIE. Members were also informed about the approval of one project.

- IX. Closing reports of iCREAT, ICET, ICESP and NSEC were presented to the lot.
- X. Progress report of IEEE WEEK 2014 was presented to the cabinet by Mr. Musab Khalid of FAST NU. This report included all the details of this event. The event was much appreciated by the cabinet.

Short Ex-Com Meeting **IEEE Islamabad Section**

Held on: **August 26, 2014**

Attended by:

1. Dr. Sheroze
2. Engr. Mansoor Malik
3. Prof. M. Umar Khan Khattak
4. Dr. Amir Qayyum
5. Dr. Aftab Ahmed
6. Dr. Uzair Khan
7. Dr. Zohaib Iqbal
8. Dr. Mansoor
9. Dr. Azzam ul Asar

Following was the agenda of this meeting:

- (i) Dr. Sheroze's presentation on IEEE Malaysia Structure and Activities
- (ii) Increasing cooperation between IEEE Malaysia and Islamabad Section.

In this meeting, activities that took place under the umbrella of IEEE Malaysia were discussed. A presentation was delivered by Dr. shehroze that covered all the major aspects of IEEE Malaysia Section's progress including AGM, election of chair, vice chair, treasurer, members Ex-Com, auditor and some similar positions. Also, activities (technical, educational, processional and social) for the coming whole year were also planned.

Furthermore, talk on some professional matters such as research proposal writing, research methodology, Supervision, result compilation, conclusion and longlist of references was also a part of the presentation. VTools reporting was also brought under consideration.

Moreover, financial report of chapters and section was also discussed along with establishment of society chapters. In the end, few words in the support of Prof Durrani as IEEE President Election 2015 were also said. Voting procedure in favor of Prof Durrani was also instructed to the lot.

Summarizing the whole meeting, emphasis on improving relations between IEEE Malaysia and IEEE Islamabad Section by cross-participation in conferences and joint seminars was done. Some key factors in this regard were also identified.

Furthermore, support for Prof Durrani in his election campaign was also asked. Lot was made aware of his election campaign.

Moreover, establishment of Society Chapters at IIUI was discussed along with the possibilities of development of new societies in the said chapter.

Meeting ended with Dr. Aftab Maroof thanking Dr. Sheroze for his efforts to promote cooperation between the two sections.

Ex-Com Meeting

Held on: **Friday, January 30, 2015**

Following was the agenda of this meeting:

- 1) Confirmation of previous meeting held.

- 2) Plagiarism case received through IEEE IPR Office
- 3) Closing reports of conferences titled IBCAST, FIT, NSEC, ICET, ICESP, ICEM.
- 4) Solicitation of conferences to be held in year 2015 titled ICET 2015, NSEC 2015, FIT 2015 and International conference on power generation systems and renewable energy.
- 5) Election of new SSR along with briefing to the Ex-com
- 6) Progress report of WIE Islamabad region and STAR project.
- 7) Progress report of IEEE Young Professionals.
- 8) Formation of AJK-Sub Section.
- 9) IEEE Student/ Young Professional/ Women In Engineering Congress (PSYWC) scheduled to be held in 2015.

All the points of agenda were discussed by the cabinet in detail and necessary reforms/actions were drawn by the Ex-Com.