



**IEEE-NUCES**

*Leading professional association for the  
advancement of technology*

# 9<sup>th</sup> ANNUAL IEEE-WEEK 2010

*February 05 - February 10, 2010*



HOSTED BY:

**IEEE-NUCES & IEEE-WIE NUCES  
FAST-NU, LAHORE**

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DEPUTY ACCOUNTS	AMEN JALAL

## **Participating Student Branches**

1. FAST- NU Islamabad
2. IEEE-Lahore University of Management and Sciences
3. IEEE-NFC
4. WIE-NFC
5. IEEE-The University of Faisalabad
6. IEEE-Government College University
7. Behria University Lahore
8. Behria University Karachi
9. Behria University Islamabad
10. Beaconhouse National University
11. University of Management and Technology
12. Lahore School of Economics
13. Hamdard University Islamabad
14. NUST Islamabad
15. Punjab University
16. University of Engineering and Technology Lahore
17. Beaconhouse School System
18. Lahore Grammar School
19. FAST NU Karachi

# **AIM OF IEEE-WEEK 2010**

The week-long activity aimed to provide a platform to the young engineers to interact with a large number of other engineering students from all over Pakistan as well as to obtain a lifetime experience of interacting with experienced Technologists, Engineers and Professionals. Not only did it help provide a platform to nurture the technological skills but also provided a platform to showcase each individual's capabilities in a large number of fields ranging from pure electronics to computer sciences to business related spheres.

Also, the IEEE-WEEK 2010 aimed to strengthen links between the different IEEE student bodies and to give them an insight into the practical field and expose them to the best possible opportunities of professionalism.

## **THE EVENTS IN DETAIL**

### **1. Opening Ceremony**

Venue: LUMS

The Opening Ceremony introduced the aim of the activities. The key guest speakers at the event include Dr. Amjad Hussain and Dr. Omer Saif.

The honorable guest speakers explained the theme of the entire course of events to be conducted during the WEEK and explained how the events were beneficial for the students of all departments.

### **2. Tech Expo**

In these ever changing and dynamic times, it is extremely important that one keeps updated with the changes in the domain of modern technology. The IEEE Tech Expo provided students a hands-on experience with contemporary software and hardware systems. At the Tech Expo, companies were invited to provide an

opportunity to students to discuss the exciting opportunities that exist in their respective fields.

### **3. Quiz Competition (CS and Electrical Engineering)**

The Quiz Competition aimed to refine the knowledge of the participating students regarding their fields. It not only provided the students to test their retentive ability and their knowledge but also provided them an experience of taking tests to apply for jobs.

### **4. iPhone Application Development**

The 3-day long workshop provided a wonderful learning experience for the young engineers and computer scientists. The workshop involved massive participation as it is a new ground breaking technological innovation and it has strong prospects of guaranteeing a job in the IT career.

The spectacular rise in the popularity and sales of the spectacular iPhone has made it one of the hottest technology accessories in the world today. Tutored by experts from the industry guaranteed one to be equipped with the appropriate skills needed to build their very own iPhone applications.

### **5. Gaming Competition**

The Computer Gaming Competition provided an opportunity to compete against each other in various computer games including, but not limited to, popular games such as FIFA, MOHAA & Counter Strike. There were individual rounds to test the various skill sets of the participants.

The objective of conducting this event was to develop a sense of constructive competition which would prove to be vital for competition in the practical field.

### **6. Made from Scrap**

Being creative was given a whole new meaning in *Made From Scrap*. This competition pushed creativity to new heights as participants were given a set of electrical components and were required to make useful electrical circuits in a given time-frame. This was a thorough application of the knowledge and skills of engineering.

## **7. STEP Seminar**

IEEE-NUCES facilitates the development of emerging technologies around the globe and to achieve this goal, the STEP (*Science and Technology in Pakistan*) Seminar, a *Virtual Seminar Series '09-'10* was conducted. The seminar was an interactive video conferencing session where researchers, academics and entrepreneurs gave a presentation about their work to students in Pakistani universities over a video stream. The idea was to help reduce the “research divide” by introducing young students to the cutting edge research and ideas, and in the process, inspiring these students to take on challenging careers with full confidence.

## **8. Hot Trends**

With the financial crises taking its toll on the local IT industry, it has become ever increasingly difficult to set up a successful business. In lieu of that, the young entrepreneurs wanting to enter the IT industry, were provided an opportunity to attend the panel discussion where the panelists comprehensively discussed the various aspects associated with establishing a successful start up. Along with getting a comprehensive run down of the essentials of running a successful startup in Pakistan, the audience were get a chance to interact with the expert panelists and receive invaluable advice.

## **9. Coding Guru**

Coding Guru was a speed programming competition. The beauty of this competition lies not in the programs written but the ‘problem solving techniques’ applied to solve tough mathematical questions. Large number of students participated in this exciting competition in groups of 3, solving questions of varying difficulties, in a given timeframe. To gain the title of the 'CodinGuru' one had to exhibit qualities not only pertaining to academics, but also needed to work efficiently in a team.

## **10. Scavenger Hunt**

After a large number of technical seminars, competitions and workshops, one definitely needs a break to rejuvenate. Scavenger hunt was a fun-filled event in which teams sought to gather a number of specific items, performed challenging tasks and took photographs as specified by a list given to each team. The goal was to be the first to complete the list and to complete the tasks on the list in the most creative manner.

## 11. Networking Competition

One of the most anticipated events of the IEEE WEEK was the Networking Competition. The competition was conducted in collaboration with one of the eminent societies of FAST NUCES CIRCUIT SOCIETY (NCS). Since most of the students of NUACES belong to the computer science field, therefore the Networking competition had a huge following among the FAST fraternity. Candidates with a basic knowledge of network security, CCNA, Data Communications and Computer Networks, Protocol knowledge, OSI layered Model, Access control list, router access authentication, IP classes participated. The software used was GNS3.



## 12. Multimedia Competition

The competition aimed to bring forth the talents of Pakistani graphic designers especially the 3D designers. Presentations of National participants, in 3D Studio Max and Maya graphics software, were on display during the event.



## 13. Officers Training Workshop

"Accept the challenges so that you may feel the exhilaration of victory ".

The workshop was conducted by the IEEE Student Section Representative, Mr. Amir Zahoor. The activity aimed to enlighten the young minds about the traits of a successful leader and team spirit. This was an opportunity for students to gain knowledge about leadership through fun filled activities that aimed to nourish a person's obscure leadership skills.

## **14. Circuit Design Competition**

The Circuit Design Competition was quite a unique idea implemented by IEEE-NUCES. In this competition, the participants were presented with a computer based software, P-Spice to simulate circuit designs. The Prior knowledge of Circuit Theory and Electronics was required for participation in this competition.

## **15. GINI Pakistan Ex. Comm. Meeting**

The GINI meeting, Global Integrated Network of IEEE, aimed to revive the in Operational IEEE student branches in the region. Students from all over Pakistan participated in the meeting and the meeting was held under Mr Revender Laal and Mr Om Parkash Batra.



Fig.1 GINI meeting at FAST NUCES

## **16. Seminar on Era of 4G**

4G technologies is the latest emerging breakthrough in the technological field. The 4G based systems are expected to provide a secure all IP based solution where facilities such as IP telephony, ultra-broadband internet access, gaming services, HD TV streamed multimedia can be provided to user. The seminar was based on the deployment of 4G technologies in the broadband sector of Pakistan.

## **17. Tech Talk (Panel Discussion)**

*“Sustainable Energy Futures”*

With globalization at its peak, energy crisis is under serious considerations. Many companies, corporations and industries have come up with viable solutions to counter the energy issues faced by our country. The aim of this panel discussion

was to enlighten our young generation of engineers and technologists about the initiatives taken by different professionals to resolve the issue.

Guest Speakers were:

1. Dr. Javed Abdul Ghani, Chairman, Punjab IT Board (Chief Guest)
2. Dr. Khaver Zia, Beaconhouse National University, Lahore (Moderator)
3. Dr. Fakhar Lodhi, FAST-NU, Lahore
4. Dr. Irfan Ullah Chaudhry, Deptt of CS, UET, Lahore
5. Mr. Imran Hussain, UMT, Lahore
6. Mr. Sajjad Kirmani, Netsol, Lahore
7. Mr. Salman Akhtar, Techlogix, Lahore



## **18. Geek Race (held by WIE-NUCES)**

This was a hurdle race to test the skills of engineering, computer science and business studies students through a total of four hurdles encounter. The four hurdles in the Geek Race involved programming, circuit designing, a jigsaw puzzle and a general knowledge quiz.

## **19. Bake 2 Break Illiteracy (held by WIE-NUCES)**

This was a unique fund raiser to help build schools all over the country. Students from different colleges were also seen to display an assortment of delicious baked goods at their stalls. This was a charity event and the money earned was given to a local NGO for building schools.

A stall was set up for giving out pamphlets of WIE to introduce IEEE-WIE to students from other schools and universities.



## **20. Motivational Workshop (held by WIE-NUCES)**

The event was a two hour workshop, a very inspiring and motivational talk to promote the growth in education amongst women and children. This talk was also followed by an interactive activity session which helped students and other participants alike find out how they could help and be part of spreading education around Pakistan. Later, a motivational workshop on how you can play a role in the important cause of spreading education, including an interactive activity session.

## **21. Women Empowerment Forum(held by WIE-NUCES)**

The goal of this event was to encourage young women to enter into the field of invention and technology. In a culture like ours, women are hardly ever encouraged to have a career, let alone one in applied sciences. This year, WIE-NUCES provided a concrete platform to address this very issue. Eminent women personalities were invited to share their experiences and to boost the morale if

female students to take up challenging careers. The 4 panel guest speakers included:

- General Shahida Badshah, the only female serving general in Pakistan,
- Mussarat Misbah, a successful Women Empowerment activist and pioneer of Smile Again campaign working for female acid burnt victims all over Pakistan,
- Nida Akram, WIE-NUCES Mentor

It drew to a close by a short play “Hawa Ke Beti” on the theme of Women Empowerment in Pakistan.



## **22. Graphic Design Competition (held by WIE-NUCES)**

This was a bright idea in which students participated individually to demonstrate and test their designing proficiency at a National Level. The focal tool used was Adobe Photoshop. It was a sincere effort to promote and appreciate female Graphic Designers through the platform of IEEE week.

## 23. IEEE-WEEK 2010 Closing Ceremony



Guests at Closing Ceremony



Award winners



The audience

The week-long activity was marked by a grand closing ceremony. The guest speakers included a number of eminent personalities of IEEE:

- Mr. Amjad Hussain, secretary IEEE Lahore Section
- Dr. Zahoor ul Haqq, Ex-Chair IEEE Lahore Section
- Dr. Arshad Hussain, Director FAST-NU
- Mr. Mansoor Ahmed, Chairperson, IEEE-NUCES

The ceremony described at large the success of the events and gratitude was imparted to the entire team members, volunteers, participants as well as the sponsors. Shields were given out as a mark of appreciation.

The Event drew to a close by the Dinner where once again all the students and participants were given an opportunity to foster strong ties with students from different institutions and from different cities.

# ACHIEVEMENTS of the IEEE-WEEK, 2010

The IEEE-WEEK 2010 was a great achievement for the IEEE-NUCES team 2009-2010. Carrying out over 20 activities in a time span of 5 days and being host to students from over 20 institutions nationwide was indeed a matter of great honor and privilege for us.

At large, the sequence of events invited heavy participation from students and helped impart the message of IEEE among the young technologists through a wide variety of innovative and creative events and a number of fun filled activities. The GINI meeting proved to be a great success in reviving the in operational IEEE student branches including IEEE-LUMS.

The team spirit was rejuvenated and it enabled the establishment of strong ties with students from a large number of educational institutions from all over the country. IEEE and its objectives were introduced at the primary and secondary school level as well.



Fig.3 Team Photo with guests at Closing Ceremony

For further Details of the event, please visit our website:

[www.ieeenuces.org](http://www.ieeenuces.org)

To view more Photos, please visit our Facebook group:

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