

# زیریںات

SUMMER 2014

PIEAS QUARTERLY NEWSLETTER

**Pakistan Institute of Engineering and Applied Sciences Nilore, Islamabad**

Photo Courtesy : Soban Afzal BSME(2012-2016)

## From the Horse's Mouth

I hope you will not be astonished if I tell you that engineering can be a life threatening discipline. As a matter of fact; after facing and surviving two full "Life Threatening" years in the engineering education ,I'm in a position to endorse it's authenticity. If you already have made up your mind against not getting admission in an engineering college ,then let me please help you with this sadistic decision of yours and foretell the upcoming since the anticipation might save you from the anguish of ignorance of the danger you got yourself into. During the first six months, you will get too bedazzled to realize the misery you are in. The next six months will torture you by the awareness of this self implied affliction. The next six months will be hateful. And in the six months onwards, you will become addicted. So much addicted to this hateful and miserable life that you will begin to love it. No matter how strange it might sound, it is the truth. Like a soldier securing the borders, despite being fully conscious of the fact that any breath can be his last you fall in love with it. But it doesn't matter how much I try to frighten you, for every smoker views the death warning on the packet before taking out a cigarette. The threat of a real life is suppressive, and with threats come real adventures. Just so that you know, by sharing these experiences, I don't mean to save you from this mental agony. For pain always glorifies the reward, no matter how small it is. Whatever decision you take, make sure that you make it in your full consciousness since there is nothing more fatal than a regret.

**Regards**

**Abdul Rafay, Editor**



### Our Team

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# PIEAS Colloquium

## *“Neural and Fuzzy Clustering Approaches for Biological Activity*

### *Classification”* June 04, 2014

The field of fuzzy and neuro-fuzzy tools such as fuzzy clustering, fuzzy filtering, fuzzy image segmentation, fuzzy expert systems with medical applications, including diagnosis, monitoring, and rehabilitation has become a consistent and productive field of study in recent times. In recent years, fuzzy logic and artificial neural networks have attracted considerable attention as candidates for novel computational systems worldwide so in order to emphasize the need to foster research, teaching, and academic cooperation in the field of neuro-fuzzy systems in human-related fields, namely in domains like medical sciences, biology, vision, speech processing, linguistics, psychology, bioinformatics, chemo-informatics and cognitive sciences a colloquium seminar was held in Pakistan Institute of Engineering and Applied Sciences, PIEAS.

The talk was given by Dr. Jehan Zeb; who is himself a man of science. He did his PhD in computer science from the University of Technology Malaysia in 2008, MS (Computer System Engineering) from GIKI in 2003, one year PGTP (Computer Hardware and Software) from CTC, MSc (Electronics), BEd (Education) and MEd(Education) from the University of Peshawar. He has informal teaching experience of programming languages, networking, embedded systems, image processing, fuzzy logic and systems, neural networks and etc.

**Drug design**, sometimes referred to as rational drug design or simply **rational design**, is the inventive process of finding new medications based on the knowledge of a biological target. The drug is most commonly an organic small molecule that activates or inhibits the function of a bio-molecule such as a protein, which in turn results in a therapeutic benefit to the patient. In the most basic sense, drug design involves the design of small molecules that are complementary in shape and charge to the bio-molecular target with which they interact and therefore will bind to it. Drug design frequently but not necessarily relies on **computer modeling techniques**. This type of modeling is often referred to as computer-aided drug design. Finally, drug design that relies on the knowledge of the three-dimensional structure of the bio-molecular target is known as structure-based drug design.

His current research interests includes but are not limited to applications of artificial intelligence in chemo-informatics, signal and image processing, computer networks and network security, modeling of biological systems and their interactions.

Drug designing and discovery is a complex, time consuming and very costly process which take input from diverse disciplines such as biology, chemistry, bioinformatics and chemo-informatics. The talk highlighted the use of importance of such chemo-informatics. Chemo-informatics can be defined as the discipline of storing, processing and retrieving chemical information using computers. It is a new area of computer science, where theories from computer and information sciences are applied to solve problems related to

chemical compounds, their reactions, and their interactions with biological structures like proteins and enzymes. The computational clustering methods, are used for the analysis and mining of large molecular databases for biological activity prediction and classification.

Dr. Jehan Zeb in his talk also highlighted the importance of methodologies and discuss the applications of neural networks and fuzzy based clustering approaches for diversity analysis and virtual screening of molecular libraries.

Fuzzy methods have other uses in

- Segmentation of tumor images.
- Algebraic neuro-fuzzy systems for image processing.
- Fuzzy fusing of classic and chaotic numerical parameters in a hand tremor rehabilitation system.
- Applications to monitoring the respiration of infants: SIDS prevention.

### Fuzzy Logic

```
IF temperature IS very cold THEN stop fan
IF temperature IS cold THEN turn down fan
IF temperature IS normal THEN maintain level
```

```
IF temperature IS hot THEN speed up fan
```

[en.wikipedia.org/wiki/Fuzzy\\_logic](http://en.wikipedia.org/wiki/Fuzzy_logic)

He also emphasized the need of more rigorous work in the future projects relating neural and fuzzy clustering which include:

- Further application of neuro-fuzzy methods to medical image processing.
- Further application of neuro-fuzzy systems in control of prostheses and use of artificial life (AL) technologies, including evolvable hardware for neuro-fuzzy systems.
- A comparative analysis of dynamical neuro-fuzzy systems in modeling applications is under progress. The analysis is aimed to throw light on some new concepts related to chaos in neuro-fuzzy systems, and similarities to biologic, economic and social processes.
- An analysis of errors in hardware implementations of neuro-fuzzy systems is under progress. The aim is to determine which solutions are better suited for specific applications.

*Dr Jehan Zeb concluded that a better understanding of the non-linear properties of fuzzy and neuro-fuzzy systems with defuzzication, and of the dynamics of fuzzy iterated processes is essential for the evolution of the field. At the same time, the improved understanding and theoretical foundations of non-linear methods in medicine condition the use of fuzzy and neuro-fuzzy systems in medicine. Both fields lack yet the desirable theoretical development.*

# STEM Careers Program

## In Pakistan

STEM program is a joint venture of Higher Education Commission and Pakistan Institute of Engineering and Applied Sciences (PIEAS) for grooming of talented students to show their capabilities in the field of science, technology and Engineering & mathematics (STEM). The project has two main missions; NSTC and NEC. The NSTC (National Science Talent Contest) intends to encourage students of scientific minds to opt Applied Sciences as their profession while the NEC (National Engineering Competition) tends to groom the problem solving aptitude the young engineers.

**NSTC** is an extension of National Physics Talent Contest launched by PAEC (Pakistan Atomic Energy Commission) in 1995. It is an open platform to prepare the national youth for international science Olympiad which includes physics, chemistry, mathematics and biology contests; and to encourage them to opt applied sciences and mathematics as their career. In this annual event, students are trained, tested and screened for the subsequent phases of the contest.

**NSTC** is an extension of National Physics Talent Contest launched by PAEC (Pakistan Atomic Energy Commission) in 1995.

In the first stage, students from educational institutions all across the Pakistan with score greater than 75% in their metric and O levels are nominated for participation. Second stage consists of a screening test which is held in all the major cities of Pakistan. Top 50 students are selected for each category.

The third stage consists of one week training camp held at PIEAS for NPTC (National Physics Talent Contest), SMS G.C.U. Lahore for NMTC (National Mathematics Talent Contest), H.E.J Institute of Chemistry, Karachi University for NCTC (National Chemistry Talent Contest) and NIBGE for NBTC (National Biology Talent Contest). During this camp, students are coached and tested in both theory and experiments, while during their free times they are shown experimental facilities in their respective training institutes and met with renowned scientists and engineers. Speaking of NPTC in particular; each day at camp is named after a renowned scientist like Newton, Einstein etc. On account of the students' performance in the camp and the exam held on last day, a team of 12-15 students get selected for 4<sup>th</sup> stage. Nevertheless, all the students participating in the Camp are awarded with prizes in the form of a standard physics, mathematics, chemistry and biology textbooks. These students also become Alumni of SPTC, which entitles them to receive the quarterly newsletter of the Contest.

The training camps for NSTC are held at PIEAS for NPTC (National Physics Talent Contest), SMS G.C.U. Lahore for NMTC (National Mathematics Talent Contest), H.E.J Institute of Chemistry, Karachi University for NCTC (National Chemistry Talent Contest) and NIBGE for NBTC (National Biology Talent Contest)

Fourth stage again consists of a week long camp of short listed students of 1<sup>st</sup> camp at the end of Decem-

ber. This time, their experimental and theoretical training is much more focused. At the end, a team of 7-8 students is selected, based on their performance during the camp and in test held at the end of the camp.

For the final stage, selected students are again invited to their respective coaching institute for a week long camp similar to the previous ones. A five member team from each camp for the international Science Olympiad and winners of the contest are selected at the end of this camp. These top five students are awarded with the merit certificates and the cash prizes worth Rs.20,000 each. The team members are coached for another week before their departure for the Olympiad. Chief Guest (the President or the Prime Minister of Pakistan) awards these prizes during the inaugural ceremony of the International Nathiagali Summer College of Physics and Contemporary Needs.

**NEC** is further categorized into **DBFC** and **NERC**. DBFC stand for national design, build and flying competition while NERC stands for National Engineering robotics competition.

**NERC**, a joint project of NUST, STEM program and Pakistan Science foundation promotes research of robotics in Pakistan. This competition provides a common environment for the integration and evaluation of various mechanical and electronics designs, control and path planning algorithms and agent architectures. Engineering disciples from all across the country participate in this contest. This competition is comprised of a match between two teams where then the qualifying teams would compete against each other in a knockout format; and the final winning team would be the one with greatest score.

**DBFC** was launched by STEM program in collaboration with GIK Institute. It is an excellent platform for engineering students to analyze their study as this contest demands an airplane which possesses good flight handling qualities and must be affordable and practical. The strict restriction of aircraft's dimensions and the power input requirements make the competition highly challenging.

The purpose of these contests is to develop a sense of problem-solving, technical design and ingenuity among the contestants. While these competitions might have seen several successful years, the real success is well far beyond. The real need is to nurture the quest for knowledge in every young and adult brain. These competitions might prove fruitless in the end if the nationwide engineering and scientific institutes do not start training their students so as to think and act on their own. We are yet very far from our real goal and only a serious consciousness of our deficiency can take us to our destination.

**STEM CAREERS PROGRAMME**  
Joint Venture of the Higher Education Commission (HEC) & Pakistan Institute of Engineering and Applied Sciences (PIEAS)

**Golden Opportunity for Joining the PAKISTAN OLYMPIAD TEAMS (2015)**

The 26th International Biology Olympiad in DENMARK  
The 47th International Chemistry Olympiad in AZERBAIJAN  
The 56th International Mathematical Olympiad in THAILAND  
The 46th International Physics Olympiad in INDIA

through

**11th National Science Talent Contest (NSTC - 11)**

Besides Cash Prizes and Certificates, PIEAS will also offer admission in its Program without Entrance Examination to the Pakistan IPO Team

**Eligibility Criteria**

- Applicants should have scored an aggregate of 70% or more marks in core subjects i.e. Physics, Chemistry, Biology & Mathematics of Matric/O-level.
- Applicants should be 1st year F.Sc./A-level Student (i.e. will be taking part II exam in May/June 2015).
- Age must not be more than 20 years and will not be enrolled in any university on 30th June 2015.

Exceptionally bright younger students of Matric/O-Level are encouraged to apply as well.

for more information please contact:  
STEM Careers Programme, Higher Education Commission, Sector 8-G3, Islamabad.  
Phone: 02-31-99462015, Fax: 02-31-9219241, Email: nptc@hec.gov.pk,  
In-Person: www.nptc.org.pk

Deadline for Receiving Nomination Forms is  
**20th December, 2013**

A newspaper add for NPTC

**GIKI CHAPTER**

**9TH ALL-PAKISTAN DESIGN, BUILD & FLY COMPETITION**

**CATEGORY ELECTRIC POWERED**

1st Prize Rs. 70,000  
2nd Prize Rs. 50,000  
3rd Prize Rs. 35,000  
Other Prizes Rs. 95,000

**Schedule:**  
Deadline for registration forms (20th Nov, 2013)  
Notification of Screened Participants (7th Dec, 2013)  
Competition at GIK, Topi (4-6 April, 2014)

**CONTACT:**  
Prof. Muhammad Abid, Coordinator Design, Build and Fly Competition  
Dean, Faculty of Mechanical Engineering  
GIK Institute of Engineering Sciences & Technology, Topi, Swabi, KPK  
Tel: 0938-271855-61 ext 2293  
Cell: 0300-539 4385  
Email: abid@giki.edu.pk  
Website: <http://www.giki.edu.pk/aiia>

DBFC 9 Poster

References: <http://www.pieas.edu.pk/admissions/ntsc.c.shtml>  
<http://win.nstc.edu.pk/>

# PIEAS Literary Week 14'

## Post Event Report

### PIEAS Literary Society

PIEAS Literary Society transcending its antecedent prerogative sovereignty in cultural creation in PIEAS effectuated its first ever indigenous event, pronounced Literary Week 14 this year encompassing competitions mainly writing, Photography, 3rd All PIEAS Arts Exhibition and All Rounders' 14 from 12th to 19th of February 2014.

As February commenced society members expedited their assiduous endeavor for the successful organization of the event. Advertisement was the inevitable need for the popularity of the event so posters were placed everywhere in PIEAS to instigate the participants to become the glimmer of Literary week. A thriving advertisement campaign took place prior to the event with posters and notices placed throughout the university; these instigated the students and staff alike to be a part of this celebrated event. Inception and Exhibition of the event were praiseworthy in all regards.

#### Writing Competition :

The event kicked off on 12<sup>th</sup> of February in bright colors and supreme fervent.



Day 1 of the week was reserved to pay tribute to literature the ever magnanimous and the most philanthropists. The event was held in I-102 which was magnificently decorated according to nature and predisposition of the event. Writing competition got lighted at 4'O Clock in the evening. The first internal event of PIEAS Literary Society; witnessed the highest participation in the history of PLS PIEAS.



A total of 26 students participated in the writing competition.

Given the spontaneous and diverse nature of the event, the fervor of the participants was exemplary. As everyone took seats the 3 hour long competition was given the flag waving. The administration standard was perfect. Stationary was provided by the organizers. Participants were familiarized with a couple of rules and regulation and off they went

. Writing comprised both English and Urdu aspects of mother literature. Participants were impressed with the Topics and found it fun being a part of the competition and showed great maturity and punctuality.

Winners were

*Urdu Writing: Sarmad Bin Saeed(BSEE 2010-14)*

*English Writing: Ayesha Noor (BSME 2013-2017)*

## Photography:

Day 1 was called an overall success with high achieving writing competition. On the Same day, Topics for Photography competition were announced for the Photography.

The entries from a total of 16 participants were screened and the participants anticipating that photography in PIEAS won't be a Childs play went into the event with much needed ardent. The topics of the photography competition were "Jumbish (Urdu word meaning movement)" and "Tranquility" and the participants were given 24 hours to capture their photographs within the premises on PIEAS.

Participants showed impetus talent accompanied with their neat and focused photographic techniques. Though all of the submissions were worth eulogizing few of them are shown below.

Photography event was unique in its nature and served like a charm to seduce the versatile intellectual needs of the community at PIEAS.

Prizes were distributed among the winners,



*Winner, Photography: Haseeb Shafaqat  
(BSME 2012-16)*

*Runner Up, Photography: Raafia Majeed  
(MSSE 2012-14)*

## Third All PIEAS Arts Exhibition:

All PIEAS Arts Exhibition is the most exigent and prestigious event organized by the PIEAS Literary Society. It is very powerful and stalwart in its personality, charisma and arresting nature. It's exuberant and exhilarating; it's the exhibition of a different world in a different word of science and rationality. It's conventional yet making friends with liberalism. It alleviates the chaotic world and brings peace. We need art because it would be possible to describe everything scientifically, but it would make no sense; it would be without meaning, as if you described a Beethoven symphony as a variation of wave pressure. Art Exhibition is the need and PIEAS Literary becomes the cause to bring glamour and appease in effect.

Arts Exhibition was arranged on 13<sup>th</sup> and 14<sup>th</sup> of February as the successful run of literary week delved deeper.

**Inauguration:** Exhibition was inaugurated by Pro Rector PIEAS Dr. Nasir Majid Mirza. Inauguration witnessed the presence of Registrar PIEAS, Dr. Abdul Jalil, President PLS and other prominent personalities. Rector PIEAS Dr. Aslam also paid a visit to the Exhibition and interacted with the society members and the participants.

**Tributes:** A new addition this year was a consequence of an exceptional sedulity of Asad Ullah; a common staff member who works in PIEAS a photocopier. He has a disability of hearing and talking but has an overwhelming talent of arts. With him on the helm Arts Exhibition kicked off.



*Dr Nasir Majid Mirza,,  
Pro Rector PIEAS,  
inaugurating the Arts  
Exhibition*



*Asad-Ullaah Khan, a staff  
member with his  
handicraft.*

**Requirements:** Participants had to draw and paint their art pieces and submit them to the management before the 10th of February 2014. The art pieces could include sketches, drawings, paintings, comics,

*Some of our esteemed  
faculty members are  
seen observing an  
artwork.*



handicrafts or anything the participants liked. Management provided all the required material to assist the participants. The participants were provided with a platform in every possible to fulfill their incomplete dreams and show themselves what they've got! In 2012, PAEC Model College was included in the event and since then; there has been a constant increase in the number of participants.

**Scene:** A lot of participants manifested their work in the Exhibition. As the day started visitors from different departments of the university thronged I-102. It was all decorated with some of the finest work produced by the amateur artisans. The Art Exhibition attracted a wide range of viewership including students, teachers and staff members. PAEC Model College visited the finest Exhibition at hand. Rector PIEAS also visited I-102 to appreciate the magnificent Artistic work and endeavor of students.

The participants of High quality work were awarded shields by Dr.Abdul Jalil.

Award Of Excellence, 3rd All PIEAS Arts Exhibition 2014: Asad Ullah  
Award Of Excellence, 3rd All PIEAS Arts Exhibition 2014: Maryam Zafar  
Best Painting: Yumnah Anwar (PAEC Model College)  
Best Handicrafts: Anum Zulfiqar (PAEC Model College)  
Best Calligraphy: Ariba Haider Malik (PAEC Model College)

### Adhbi Bethk:



PIEAS Literary Week continued to promise on the second day as well as Literary Society organized its one of the most awaited and successful events of the past; Adhbi Bethk. Also on the second consecutive day the trend of record breaking participation continued as Adhbi Bethk' 14 witnessed the highest participation in the history of PLS. A total of 30 students participated in the event.



Adhbi betkh is deemed inevitable among all cognitive groups in PIEAS as its exigent to poise a healthy literary aroma in a university environment. It's the platform for all the poetic and creative minds in PIEAS. The true creativity of an Artist can only be recognized and commended in an appreciable manner by a likeminded person; Adhbi betkh provides a platform for the like-minded people to come closer and sit together on bench whose founda-

tions are deeply rooted in harmony, love, care and respect.

The event was held in the PIEAS Conference Room.

The chief guest of the event was Mudassar Azeem (Poet and currently working at PINSTECH, PAEC). His presence was highly valued by all the participants. The event was also attended by PLS Advisor and the true mentor of Society Dr. Abdul Jalil. During the course of the event he shared his precious thoughts with his contemporaries.

The event started with the recitation of Holy Quran. During the course of the Mehfil different participants presented their work which showed their higher interest in literature and poetry. Some of the endeavors of participants in regards to poetry was highly praiseworthy and was appreciated by the attendees.

As the event meliorated the participants were provided snacks by the organizers to lighten the moment.

Event was highly institutive in nature and those who attended it learned a lot from the extraordinary congregation of literary minds.

## All Rounder 2014

All Rounder 2014 which was earlier decided to be held on 19<sup>th</sup> of February 2014 was held on 27<sup>th</sup> of February 2014 because of the renovation of PIEAS Auditorium for the convocation.

With the new dates announced for the last event of the literary week the dates of registration of team was also extended to 24<sup>th</sup> of February 2014.

The participation in the event was once again very promising and the discontinuation in the smooth run of the successful literary week dose not affects the enthusiasm among the students.

For the event a team of pair had to be made by the participants to compete for the five rounds of the competition. The five rounds mainly consists of Quiz, Bait Baazi, Do it, Kasauti, Extempore Speech.

### Special Thanks:

The event was attended by Dr. Abdul Jalil and the Chief Guest of the event was Miss Nemat-e Uzma (Examinations Controller at PMC and Visiting Professor at PIEAS).Both the chief Guest highly praised the standard and nature of the event and showed massive respect for the organizers.

### Event:

The last thread of the mega internal event started on Thursday and all the participating teams and the audience gathered in the PIEAS auditorium. It was also the last day of the successful event so it was given a huge send off by the audience. As the event started team played the five set rounds of the tournament. First of all Quiz session was conducted. Quiz round constituted interesting questions and challenged the intellect and memory of the participants. After which second round of bait baazi was conducted which confronted the poetry knowledge of the teams, which was followed by Do it, Kasauti and Extemporary Speech.

All the teams performed exceptionally well but there can be only one winner at the end. Team U-Square played best among all and was declared winner of the All Rounder 2014. The winner and runner-Up teams were given shields and the participants were given special prizes. The Literary Week '14 ended with All Rounder which was as successful as all the other events

Winner Team: Team U-Square

A group photo of the organizers with few highly esteemed faculty members , taken at the end of the arts exhibition.



# Post Shell Eco Marathon Report

By: Muhammad Ali Shehbaz

Shell Eco-Marathon is an event where energy efficient vehicles group up to show their capabilities from different parts of the world. PIEAS had never participated before in this event. Two teams PIEASIAN SARUKHS (Three Wheeler) and TEAM VOLTEX (Four Wheeler) decided to participate in Shell Eco Marathon this year in 2014, to represent PIEAS as well as Pakistan globally.

## Team PIEASian Sarukhs(Rockets)

Under the supervision of Ex Dean Engineering, Dr. Mohammad Javaid Hyder, the students manufactured the 3 wheeler, prototype category, car called Muktaniz (the strong and sturdy) within a small period of 2-3 months which was ready to give a mileage of 100+km/lit. As the event started, PIEASian Sarukhs was the first team to pass all the safety inspections and the technical tests from Pakistan. Sarukhs were ready to go on track, we were among the few teams who used their all five attempts also the only team from Pakistan who went on track in its first ever participation in our category this was not only mentioned by Shell Pakistan officials but was also seconded by the Shell Philippines officials. There were nearly 45 teams in prototype category and we got 12<sup>th</sup> Position where PNEC-NUST the 4th timers were only a few KMS ahead of us on the 11<sup>th</sup> Position. Among the 20+ failures were 10 Indian teams in our category and none of them passed the test or went on track during this event and didn't have any ranking.



## TEAM VOLTEX( PakAgnis)

Team Voltex initiated the project of Urban Concept vehicle under the supervision of Dr. Rizwan Alim Mufti, Head of Department of Mechanical Engineering. The car name was PAKAGNIS. Which was made ready within 2 months and it was able to give 50Kms in a liter. It was admired for its beauty. The car was aerodynamic in shape.

As the event started, Team Voltex was able to clear its safety inspection and the technical tests in its first attempt.

Our car went on the track in the first run while the rate of Successful safety inspection test was only 25-30%. TEAM VOLTEX successfully completed all the three attempts. The car stood at number 7<sup>th</sup> in its category of gasoline driven urban concept vehicle. The car was much admired for its aerodynamic shape and beauty as was mentioned in DAWN newspaper.



Participating in this event was a wonderful experience to see that how much we lack in technology and how we can cope up our short comings to bring the name of institute and Pakistan among the Best.

# IEEE PIEAS Student Branch

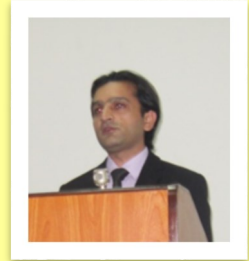
(Cy-Mic Post Event Report)

Following is a brief summary of the 3-day event organized by IEEE PIEAS Student Branch by the name Cy-mic'14 , from 18<sup>th</sup> to 20<sup>th</sup> March 2014.

## Day-I (18<sup>th</sup> March)

The 1<sup>st</sup> day comprised of a Cyber security awareness workshop in which the guest was the CEO of a reputed multi-national networking corporation. The workshop was attended by about 90 students of all departments/batches including Master program students. In fact it was the biggest workshop ever arranged by any society in PIEAS.

Guest  
Speaker  
Ziaullah  
Mirza,  
who is  
well



respected for his work in  
the field of Cyber security

## Day-2 (19<sup>h</sup> March)

The 2<sup>nd</sup> day comprised of an introductory session of the Microcontroller architecture, programing, and integrated development environment tools. The session was conducted by the respected faculty member of DEE.

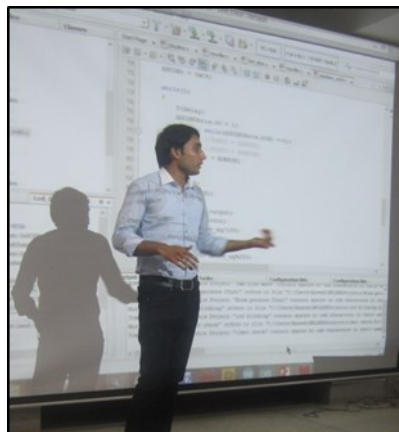
Session was also attended by the Counselor IEEE PIEAS Student Branch, Dr. Haroon-ur-Rashid.

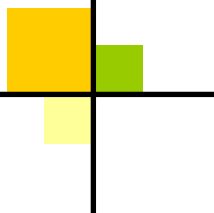
## Day-3 (20<sup>th</sup> March)

The 3<sup>rd</sup> day comprised of a practical demonstration. The good thing was that this day was completely managed by the student members of IEEE PIEAS SB. The session of 4 hours included presentations as well as the practical demonstrations on Arduino, PIC and STM-ARM based Risk controllers and the development kits. All was carried out and managed by the students themselves.

Also the senior batch students shared their experiences of FYPs with special emphasis on Microcontroller applications.

The Microcontroller workshop was attended by more than 55 students. The students appreciated the effort put by IEEE PIEAS Student Branch team.





# Extravaganza '14 & Annual Night

(Post Event Reports )  
PIEAS Performing Arts Society

## Extravaganza '14

Extravaganza '14 is a competition held annually under the banner of PIEAS Performing Arts Society. This year the competition was held on 2<sup>nd</sup> April, 2014. The event comprised of competitions in the following three categories.

Theatre

Videography

Music

A huge plethora of art and dramatics on display flawlessly captured the audience's attention and kept them glued to their seats till the end.

The event was judged by renowned artists in their respective domains.

For Dramatics, Sabahat Jalil (Owner of production house and visiting faculty member RCA)

For Videography, Ihsan Qadir (Chief Executive Hi-Tech IQ Department) For Music,  
Saad Farooq (Professional Singer)

### **Theatre :**

There were a total of 5 dramas and a mime that took part in the competition. Students of all the batches took active interest in portraying their skills. The winners of this category were

Categories	Winner
Best Actor	Farrukh Anique
Best Script	Banday
Best Direction	Banday
Best Actor in Comic Role	Khaliq Waheed
Best Actor in Negative Role	Muhammad Awais

The Runner Up for theater was "Mime" and the Best Theater Act for the evening was "Banday".

### **Videography:**

A total of 4 videos competed in this event. The skill and talent present in PIEAS was quiet evident from the videos. The winners of this category were

Categories	Winner
Best Direction	One is the Loneliest Number
Best Camera Work	The Voice
Best Editing	The Voice
Best Idea	One is the Loneliest Number
Best Acting (Video)	One is the Loneliest Number
Best Story	Kafan

The Runner Up for this category was “One is the Loneliest Number” and the overall winner for Videography was “The Voice”.

**Music:**

Five students competed with each other in this category. The winners were

Runner Up	Winner
Abdul Rauf Khan	Tariq Bashir

Videography was the main highlight of the show with many thought provoking videos which motivated the audience as well as instilled moral values in them. Likewise the theater performances were not far behind in both serious and comedy plays which made the audience watch with baited breath. The singers casted a spell on the audience by their melodious voice.

## Annual Night

Since the formation of PIEAS Performing Arts Society, Annual Play was one of the initial agenda of the society. This agenda was finally fulfilled after four years on Annual Night, held on 27<sup>th</sup> March 2014, one of the most successful event of the society. It included an annual play, music performance and movie night all performed exclusively by the members of the society for the sole purpose of entertaining the



students of PIEAS, to encourage them to be a part of PIEAS Performing Arts Society and to attract to them to take part in this form of arts.

The event officially took off with a mind blowing music performance from Haseeb-ud-Din, Fahad Bukhari and Ali Shehzad. Haseeb’s melodious ‘surr’ and Bukhari’s and Ali Shehzad’s electrifying guitar tunes on the song ‘Milne Hai Mujhse Aayi’ from the movie ‘Aashiqui 2’rocked the whole auditorium. Closely followed by this performance, the first ever annual play of the society, namely ‘Qulfi’, kicked in. Outstanding performance by the cast brought tears in the eyes of the audience who, in the end, congratulated them with a standing ovation and a big round of applause. The whole auditorium was cheering for the cast and the backstage team who had been working tirelessly from the past couple

of weeks, practicing again and again to make the play the most successful play in the history of PIEAS.

Right after the play, the audience was greeted by another performance from the duo, i.e. Haseeb-ud-Din and Fahad Bukhari, as they jolted the audience once again with the song 'Sada Haq Aethay Rakh' from the movie 'Rockstar'. After that a break of 30 min was announced after which the audience was welcomed with the movie 'Man of Steel'. The night finally concluded with Clark Kent saving Lois Lane and the whole world from General Zod and with a huge number of positive remarks from the audience.



### The Play "Qulfi"

written by Farukh Anique, was about the life a child, forced into beggary . The all grownup beggar remembers his childhood dream of eating a Qulfi. As the play moves on he strives to fulfill his dream.



## Beautification of PIEAS through Paintings, A Project of PIEAS Literary Society



The Project aims at installing paintings, throughout the campus. Five paintings have been installed so far, and more will be displayed soon.

Zeeshan Nayyar  
President PLS  
(center ),Maryam Zafar  
General Secretary PLS  
(center),Hammad Hassan  
member executive  
council PLS (right) and  
Wajiha Akber a junior  
member of PLS ( left),  
holding a set of jointly  
painted paintings.  
(Acrylics on Canvas)



# شام سخن

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جلد ہی



پبلشرز لٹریچر کی سوسائٹی