

زیرات

AUTUMN 2014

“ZEEST”, PIEAS QUARTERLY NEWSLETTER

Pakistan Institute of Engineering and Applied Sciences Nilore, Islamabad

From the Horse's mouth

Sometimes, it becomes painfully difficult to write on something you are so eager to write. I am suffering the same pain at the moment. A quotation keeps hammering inside my mind which I read long ago in my childhood. It said in Persian “من آنم که من دانم” (Man Aanam Keh Mann Daanam) meaning; “I know who I am”. Moreover, something took place some-time ago that has become a constant reminder for me. I believe the two to be correlated. However, I have not yet figured out any link. As it happened; I once sought advice of a PhD scholar on the matter of writing a personal statement. “Never forget the people you belonged to, never forget where you have come from and never forget who you are; you will only be able to write a good personal statement when you fully accept who you are”. He left me thinking with a famous maxim “Never forget your roots”.

The Persian anecdote was what I read in a Sheikh Saadi's account of a meeting, where a sage was being admired for his great deeds. The sage became depressed to hear his admiration as he arrived there. When asked about the reason of his grief, he replied “I know what I am”. And went on to say “People see a dancing peacock and praise it for its beauty, but peacock is always aware of the ugly feet he is hiding”.

I believe that the above two to be co-related. But how? I have not found an answer yet.

Your Editor,
Abdul Rafay



Our Team



(Left to right and top to bottom)

Hafiz Muhammad Waqar Sharif,
Ammar Qaseem, Zukhruf Amjad,
Basit Ali, Wajiha Akbar,
Mahnoor Aftab

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Courtesy: Dr. Masroor Ikram, DPAM PIEAS

Key Technologies on Reliability Monitor Development for Pressurized Water Reactor in a New Concept of Risk Monitor System

Speaker, Topic and Venue:

Dr Muhammad Hashim, PhD from Harbin Engineering University, Harbin, China, gave a talk on 'Key Technologies on Reliability Monitor Development for Pressurized Water Reactor in a New Concept of Risk Monitor System' in PIEAS Colloquium, on Thursday, October 23, 2014, at 2:00 pm in Conference Room, C-Block, PIEAS.

Introduction to Speaker:

Dr. Muhammad Hashim has recently (July 2014) completed PhD in Nuclear Energy Science and Engineering from the College of Nuclear Science and Technology, Harbin Engineering University, Harbin, China. He was sponsored from Chinese Government Scholarship Council. He did MSc (Physics) in nuclear and particle physics from Punjab University, BSc in Physics and Mathematics from Punjab University, and F.Sc from Government College for Boys, Bhakkar, Pakistan.

During PhD, he learnt about two-phase flow thermal-hydraulics, nuclear reactor physics, nuclear power plant engineering, nuclear safety and reliability analysis, probabilistic safety assessment (PSA), Living PSA, risk monitor system, reliability monitor and plant DiD risk monitor system, engineering safety systems of conventional pressurized water reactor (PWR) and AP1000. The title of his research work was "Key Technologies on Reliability Monitor Development for Pressurized Water Reactor in a

New Concept of Risk Monitor System

Dr. Hashim has published 17 research papers in international journals and conferences.

Summary of the Talk:

There are three key technologies for comprising the proposed reliability monitor. They are (i) use of Failure Mode and Effect Analysis (FMEA) for qualitative evaluation, and (ii) use of Fault Tree Analysis (FTA) and (iii) GO-FLOW, both for the quantitative reliability evaluation of static and dynamic aspect, respectively, although the major focus has been given on the utilization of two technologies of FMEA and GO-FLOW. There are three basic issues in the reliability monitor studies. They are (i) how to apply those three methods for comprising effective reliability monitors for the real systems of nuclear power plant, (ii) what will be the precondition for the reliability monitors, and (iii) by what way the proposed methods of reliability monitors will be validated. In this PhD thesis, those three problems were tried to be solved by conducting on two practical evaluation of reliability for the safety systems of conventional PWR plant and AP1000.

Drugs and Crime

Speaker, Topic and Venue:

Dr Fateh ud din B. Mehmood, CEO, LuneSys, Pakistan, and National Consultant, United Nations Office on Drugs and Crime, Islamabad, gave a talk on 'Digital Forensics in Modern Era' in PIEAS Colloquium on Friday, **October 24, 2014, at 2:00 pm, in Room B-106, B-Block, PIEAS.**

Introduction:

Dr. Fateh is a 15+ year's experienced ICT professional having Ph.D. in Information Security Management and M.Sc. in Computer Science. He has progressed from a smaller-scale ISP to his current role as the CEO for LuneSys, a multinational Information & Communication Technology and Information Se-

curity organization. He has been working as the United Nation's National Consultant for Cyber-crimes and Forensic Document Examination. He is the former Chief Forensic Officer (CFO) at the National Response Centre for Cyber Crimes (NR3C) in the Federal Investigation Agency (FIA), Pakistan.

Photodynamic Therapy

Dr Tayyaba Hasan, Professor of Dermatology, Wellman Center for Photo medicine, Harvard Medical School, Boston, USA, gave a talk on 'Photodynamic Therapy' in PIEAS Colloquium on Wednesday, October 29, 2014, at 9:00 am, in Teleconference Hall, A-Block, PIEAS.

Engineering Test-drive

PIEAS Formula Sprinters

By: Ikram Arif (BSME (2011-15))

Formula Student is a series of annual engineering design competitions in which students have to build a single seat open-wheeled formula race car. The competitions are held in compliance with the rules of Formula SAE. **Formula Student US, Formula Student UK & Formula Student Germany** are the top ranked competitions of this series. The competition is not won solely by the team with the fastest car and excellent race but rather by the team with the best overall package of engineering design, fabrication, dynamic performance, cost effectiveness and the sales planning. It inspires the students to build the car by considering the economic aspects of motorsports industry. To manage monetary resources, students are intended to get partnership with foremost companies.

Formula Sprinters is a team founded by undergraduate students of PIEAS to establish a platform for achieving ultimate knowledge of mobility engineering. This team of 22 well-trained agile undergraduate students is targeting to take part in Formula Student Germany-2015. To manage this huge project the team is categorized in the following working groups:

- Chassis & Body Shell
- Suspensions & Steering Systems
- Brake System & Tires
- Engine & Drivetrain
- Electrical Systems
- Media & Marketing Group

In conformity with the principles of Value Engineering the main objective of Formula Sprinters is to design a modern, lightweight, highly streamlined and aerodynamic race car for optimal speed and dynamic performance.

The continual of Formula Sprinters for the upcoming students is intended to represent the PIEAS at international level and raise our national flag with pride. The rigorous fundamental constitution of Team Formula Sprinters exploit the talent of students for the refinement of technical and interpersonal skills. In the near future it is projected that Formula Sprinters will be flourished by establishing its alumni division for industrial commercialization and career counseling of undergraduate students.

PIEAS Formula Sprinters Project Timeline

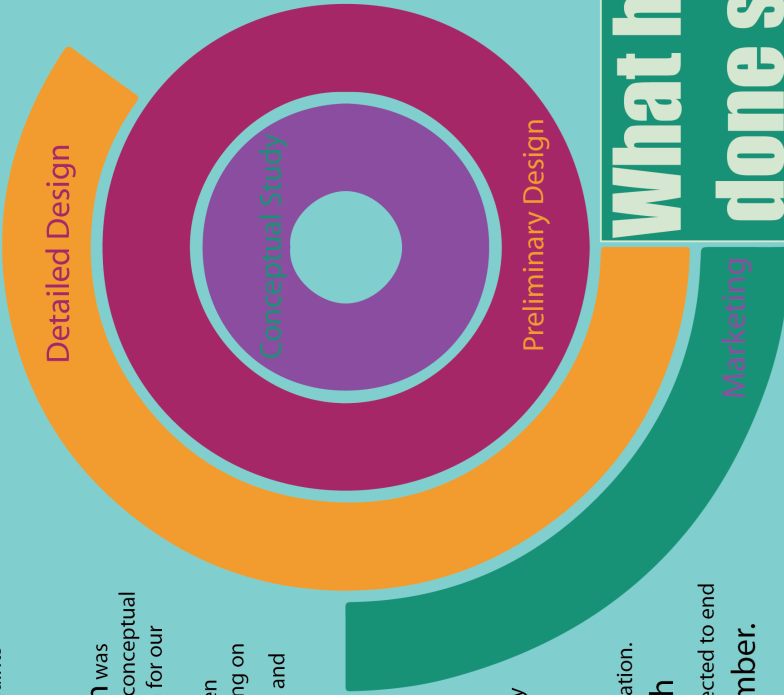
We began with the **Conceptual Study** of Formula Car on **18th March, 2014**. The study went for two months, at the end of which we fully converted the competition requirements to design constraints

A **Preliminary Design** was formulated at the end of our conceptual study phase. An initial design for our car was formed after very comprehensive study of given constraints. We began working on this phase on **11th May** and ended it at the end of September.

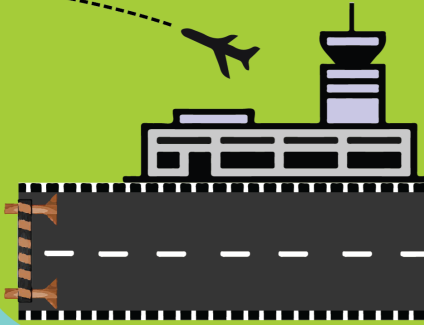
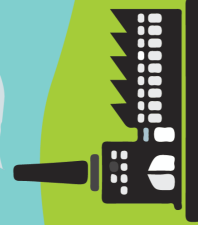
Detailed Design was followed by preliminary selection. All of our Design parameters are being thoroughly analyzed and tested on computer simulation. The phase started on **6th October** and is expected to end at the mid of **December**.

To move on further with our project we need money to manufacture and transport the car to **Germany**. For this purpose we started marketing our project in **October**. The marketing phase is expected to last till **15th December**.

We plan to begin the manufacturing of our car by the end of **December**. We are hopeful that our car will be ready for shipment by the end of **February 2015**.



We fly to **Germany** in **July, 2015** for the **Formula Student Competition**.



National Entrepreneurial Competition

CREATE'15

Registrations Opening
from:

10th December



Newsfeed

Rawalakot Trip '14

Report by: Zukhruf Amjad

One of the highlights of the current fall semester is without a doubt the long awaited trip to Rawalakot, planned for the senior, junior and sophomore BS batches. Rawalakot is a beautiful valley known for its tourist attracting spots, one of those was the place is Banjosa Lake; a manmade lake built in the centre of



Bonfire at Banjosa Lake. Some people cooked their own food (bottom right)

Photo courtesy: Abdur Rafay Fiyaz and Soban Afzal

a radius of hills. It is at the outskirts of this lake that the three day stay was arranged. Students had the opportunity to explore the surrounding hills, go for a boat rides or just sit and enjoy the lake side.

The first day of the trip comprised of a five hour journey to Kashmir; travelling games, catchy slogans and catching up on sleep were the general order of the day. Accompanied by three faculty members and their lovely families, the students of BS made their way through the rocky terrain into the heart of Kashmir. When they finally reached Banjosa Lake, they were greeted by icy cold weather and a constant supply of 'garam chai and coffee'.

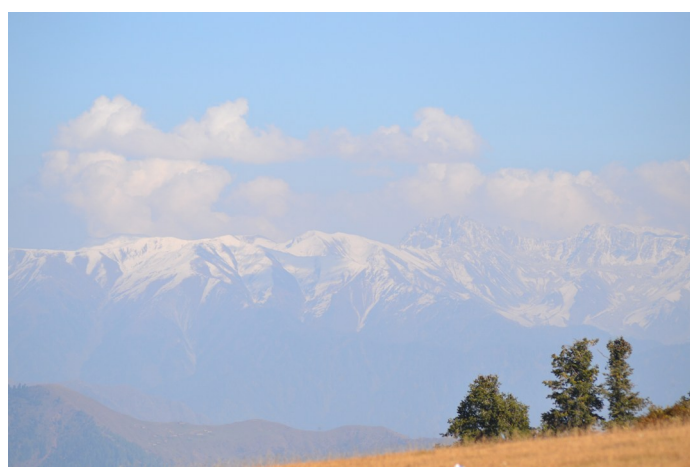
The second day was an early one for the students as they had to make their way to 'Toli Pir', a mountain peak located 8,800 feet above sea level. The road to the mountain was covered partially by vans and the

rest through a hike. With the oxygen levels low at such a height, the small hike took much longer than anticipated but it was all worth it in the end when the students saw the panorama of a beautiful valley and snow capped mountains of Kashmir. The day was spent enjoying the view, taking pictures and making memories.

A bonfire was the activity planned for the night, a big roaring fire was highly welcomed in the cold weather and the appreciation was clear on the faces of the students as they erupted into dances from time to time around the fire- even the faculty and their children joined in! There were musical performances followed by games and nobody wanted their last night of the trip to end.

On the last day the students got some time to explore the lakeside. Some of them took boat rides across the lake and others got to walk around the surrounding trails.

Friends, the beautiful surroundings and the amazing weather; it was a very successful trip indeed. We thank the organizers of this trip for providing us with the opportunity to experience this.



Beautiful views at Peer Toli

Photo Courtesy: Abdur Rehman Qureshi.

The First Annual Brunch Of PIEAS LITERARY SOCIETY

Report by: Wajiha Akbar

The first ever annual dinner of PLS was held on the 9th of November. The given departure time was 9:30 but how could we call it as an excursion trip if we left on time moreover on Sunday? So yeah! we started our day 1 hour late making our way through the Margalla hills. The mesmerizing beauty of the scenes surrounded everyone such that no one knew how time passed. At Monal, Delicious food was waiting for us on our arrival and without any further delay, we headed further where tables were already reserved for us. The view of Islamabad from such a height was heart stopping and two hours were not enough for captivating the view. On the leaving time, we had to get back before it got dark as we were planning to hike down. Because of the shortage of time, we started our hike on fire track. It really seemed haunting during the start but apart from some daring slopes and creepy noises, the track was beautiful especially the covering of mountains with green bushes and trees. It took almost two hours to hike all the way down.

Oh it wasn't over yet, because now we headed to Centaurus. Yes, we went there too! Dejectedly only one hour was given to us but it was fun rushing from first floor to fourth floor to buy all the groceries and

needed items for hostels. At leaving Centaurus, this remarkable day ended leaving behind beautiful memories.



A group photo of all the members (top left), The photographer (Hammad Aslam, left) with the tour guide (Abdul Rafay) (top right). Over the ledge (bottom left). Tour leader (Zeeshan Nayyar) safeguarding Rs. 120 water bottles (bottom right)

PLS Annual brunch was for sure, something unforgettable- the perks of being the member of PIEAS Literary Society!

In-Campus

Report by: Zukhruf Amjad

Dikhawa:

PIEAS Performing Arts Society organized Dikhawa'14; an event to showcase the talents of the society and give the upcoming batch of BS 2014-2018 an overview of the society. Notable videos and performances of the society were showcased at the event, and inductions for the year 2014-2015 were initiated at the event. The night ended with a movie-Edge of Tomorrow shown in the main PIEAS Auditorium.

Battle of Theetas:

The third installment of Battle of Theetas was once again organized by PIEAS Thematic Society in the main

auditorium. With a total of three rounds, the event provides a platform for students to showcase their skill set in the field of academics, general knowledge as well as game play. The event ended on a high, with a team of BSEE 2014-18 snatching first place.

Blood Donation Camp:

A Blood Donation Camp was set up in I-block, PIEAS by Sultana Foundation. The objective of the blood camp was to collect blood for patients of Thalassemia residing under the foundation. Experts visited classrooms to discuss the growing issues patients of thalassemia have to face and get students familiarized with the disease. Along with blood donation, students were able to get blood tests, find out their blood group and have a sitting with an experienced doctor to discuss any abnormalities in their blood. The blood was highly successful- collecting over 118 blood bags in total. This camp was supervised by the Pieas Volunteer Society.



Pink Ribbon Youth Awareness Drive:



HEC and Pink Ribbon collaborated to set up a Youth Awareness Drive in accordance with Breast Cancer Awareness Month on 29th October 2014 at PIEAS Medical Sciences Department. Pink ribbons were distributed around the campus and pamphlets were made available to the students which provided them with information about the disease. A Donation booth was set up to collect money for a diagnostic centre being made in Pakistan with the help of Pink Ribbon and the day ended with a solidarity walk across campus. The event was organized mutually by PTS and PVS.

Dareecha Screening Test:

PIEAS Literary Society held its annual screening test for the issue of PIEAS Annual Magazine 'Dareecha'. This test is essential due to the unimpeachable standards held by the magazine. The duration of the test was 3 hours, including writing, screening and vocabulary sections. On the same day, the screening test for the new inductions to PLS for the session of 2014-2015 also took place. The executive body of the society was present during the test.

Cash Distribution Ceremony:

Chairmen PAEC, Dr. Ansar Pervaiz visited PIEAS to distribute cash prizes for outstanding achievements in studies and extramural activities. Top three GPA-holders from each batch of BS received cash prizes and teachers and faculty received awards for similar achievements. An interactive session also took place between the chief guest and faculty/students of PIEAS. The event was also attended by Rector PIEAS, Dr. M. Aslam and other notable faculty members.

Shaam-E-Sukhn '14

By: Basit Ali

Literature in institutions of any nature has always found a place of immense pride and has become a source of educational amusement for masses across the world. Pakistan institute of Engineering and Applied Sciences (PIEAS) have a boastful tradition of 14 years of perpetual and constant will of promoting literature in PIEAS. PIEAS Literary Society (PLS) has substantiated its authority by organizing some of the most successful events in the history of PIEAS where Shaam-e-Sukhn is one of them.



Shaam-e-Sukhn is Mehfil-e-Mushaira in which some of the most poignant and heartfelt poets from across the country gather together on single platform of PIEAS Literary Society to present their work and to cheer and abet the mirth in youth. The series of Shaam-e-sukhn began in 2011 when the first ever mehfil-e-mushaira was organized by PIEAS Literary Society. There were a total of 13 guest poets which included one of the biggest names of Pakistan in the field of literature namely Mr. Anwar Masood. It is a versatile entertaining, educating and has served undoubtedly in promoting the proud tradition and culture of Urdu language which is our ultimate goal.

After 3 years, an initiative was taken by PLS to continue the series of Mehfil-e-Mushaira in PIEAS; carrying on the legacy of "Shaam-e-Sukhn". The preparations for headlining event started earlier and with the exuberant participation of the team members of PLS the event was organized successfully.

Event was all lightened up at the PIEAS Auditorium at 4:30 PM. The stage and decorations were done keeping in mind the ingredients for a typical Mushaira.

Once again senior and young shimmering Urdu poets who by all means have proved their metal in the field of Urdu poetry were called upon to give life to the exhilarating and commendable chattel of PLS.



The event was attended by a total of 14 faculty members including Rector PIEAS, 3 Directors of PAEC and 12 guests poets attended the event. The guest poets included:

Mr. Anwar Masood
Mr. Salman Gilani
Dr. Hamid Saleem
Mr. Adeel Ashraf
Mr. Shahid Zaki

Major Shehzad Nayyar
Mr. Muddasar Azeem
Captain Iram Gul
Mr. Taimoor Hasan Taimoor
Mr. Rana Saeed Doshi

Anwar Masood was the president of the evening whose fatherly benediction lit the colors of the evening.

The event was hosted by Syed Abdul Rafay and Mahnoor Aftab who, by their charismatic propriety, enhanced the life of the evening.

After the formalities the hosts called upon the only poetess of the evening Captain Iram Gul to come forward and start the evening with her touching poetry and musical voice. Her poetry neatly depicted the thick and thin of the nature of human relationships and inexplicable aspects of love and life. Her poetry was thoroughly enjoyed by the audience.



Anwar Masood was chief guest of the event whose fatherly benediction lit the colors of the evening.

After her Mr. Adeel Ashraf was asked to come to the middle of the stage to kindle the flame of youthful mirth among the audience which he did with his outspoken and ritualistic poetry on damsels and bachelorship. He provided the current needed in the audience, who responded enthusiastically and kept asking him to repeat his lines.

Dr. Hamid Saleem is famous for his poetry on science. A former PIEAS-ian, he talked about his interest in poetry when in PIEAS. His poetry is a mellow and provoking amalgam of science and rhythm which he proved when he presented a fascinating picture of Supernova which happened in 11th century in his poem. He gracefully planted few jokes on life at PIEAS which earned never ending and long applause from the audience and was asked to reiterate most of his presentation again by the audience.

Major Shahzed Nayyar was asked to the helm of Mushaira. The energy that flowed during his stay had no measures, proving himself to be is one of the best young poets of our times. His poetry is the superlative ambassador of human relations, sensitivity of life and the spiritual relation of realism with obscurity. His charming personality delved deeper into the hearts of audience and created a place for him there.

Mr. Taimoor Hasan Taimoor who had traveled from Lahore to join the evening had reached a little late due to some unforeseen circumstances. But when he was asked by host to come forward he certainly was the one who won the show. His allegiance, impetus speech and weight in his rhythm were unmatched by any measures. He roared from the stage and audience was absorbed. The justice that he did to eloquence, rhythm and meaning is hard to explain. He departed in a long never ending applause from the

audience.

Many other poets presented their best like Mr. Muddasar Azeem who is a former student of PIEAS.

Then came one of the giants of the evening who people had waited for a long time. Mr. Salman Gilani was the unique flavor of the evening. If there are few comedians who are best at their profession Mr. Salman Gilani is one of them. His promenade from his seat to the stage was heralded with incessant applause and standing ovation. The felicity that he provided right from inchoation erupted the Hall with laughter and gaiety. His unique style of poetry and his singing voice forced the audience to sing with him. His hilarious interpretation of universal realities of life, love, youthful mirth, Quranic teachings, and religious scholars left the audience in rapture.

The stage and time was all set to welcome one of the most honored, loved and respected poet of Pakistan, whose poetry has become a legacy of Urdu and Punjabi literature. Anwar Masood was given the honor to preside the Mushaira who is a multilingual poet of Urdu and Punjabi. Though he has made his name in comedy but his maturity and seniority has produced some of the everlasting and perpetual literature in all fields of life. When he came to the stage there was a surge of applause exuberance from the



Students and faculty members enjoying the amusing performances

audience. He was welcomed with a long standing ovation. He talked about how he craved for the supremacy of Urdu language and longed to see it in same ranks as English and other great languages of today. He impressed the audience at best and was hailed for his maturity. He narrated his famous poem Banayan on the request of audience which is translated in many different languages. He narrated his one of best poems Ambari which is about the unmatched love of mother for her children. He ended with a Naat in the honor of the prophet of Islam. Anwar Masood has won many souls in his life and has changed many lives, he has made many careers, and I can with confidence say that few of them will be from PIEAS. His second performance in Shaam-e-Sukhn will always be remembered. As he showed his unconditional love for PIEAS, PIEAS loved him back. All the members of Pieas Literary Society pray for his health and long life.

Mushaira was concluded at 9 PM after the father of PIEAS Literary Society Dr. Abdul Jalil, had shared his views with the audience. It is believed to be the most successful event ever organized in PIEAS.



CALL FOR SUBMISSIONS FOR

THE 4TH ANNUAL MAGAZINE OF PIEAS

DAREECHA 2014-15

- POETRY
- ARTICLES (TECHONOLOGICAL, INSPIRATIONAL OR EXPERIENTIAL)
- ART WORK (CARRICATURES, COMICS, PAINTINGS OR SKETCHES)
- PHOTOGRAPHS (STUDENT LIFE, TRIPS & EXCURSIONS, PIEAS LANDSCAPES, OFFICIAL EVENTS HELD OUTSIDE)

2ND DEADLINE:

15TH DECEMBER 2014

TO SUBMIT YOUR WORK IN HARD FORM AND FOR ANY QUERIES, CONTACT:

| | |
|----------------|---------------|
| HASAN ASHRAF | 0333 526 1029 |
| UMAR JATOI | 0336 446 4006 |
| ZEESHAN NAYYAR | 0331 820 0511 |
| AISHA NOOR | ROOM G B-101 |

BEST SUBMISSIONS WILL RECEIVE COMMENDATION CERTIFICATES SIGNED BY RECTOR, PIEAS

TO BE A PART OF DAREECHA 2014-15,
EMAIL YOUR WORK TO

DAREECHA.PLS@GMAIL.COM

Writer's Guild

Nikola Tesla—The Mad Genius

By: Ammar Qaseem

It's late at night. The terrains of Shoreham, NY lie dark and silent as the clock ticks by. The birds rest inside their nests, snuggled. Occasionally, a baby jackdaw raises its head, but feeling the freezing draughts outside, it pops right back in. At this place and time of night, a large resounding crackle sounds, followed by a buzz that breaks the silence of night. The trees light up due to the dazzling sparks that follow.

Nope, it wasn't baby Thor playing with his hammer—sorry for the impression—it was actually the famous "Magnifying transmitter", made by Nikola Tesla that was generating millions of volts of electrical energy and sending several meter long arcs of lightening into the air.

Nikola Tesla, a name known to many people as the pioneer of Alternating Current but recognized by very few people as the Mad Genius behind many of the famous inventions. Many of his inventions were stolen by other scientists while the others were modified and presented in the science conventions as 'My Own Work' and 'I Thought of It Myself'.

Nikola's major steps into the world of inventions create a very thought-provoking melodrama. Young Nikola arrived in the United States in 1884 with a recommendation letter from Charles Batchelor addressed to Thomas Edison. The next 64 years of Nikola's life were spent in New York.

War of Currents:

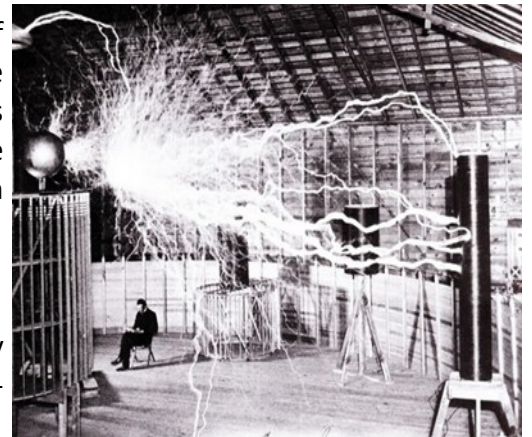
Nikola started working with Thomas Edison as his assistant. While working alongside him, Nikola discovered the bewildering phenomenon we call the Alternating Current (AC).

Nikola started studying AC more deeply. However, Edison had bulks of money invested in the equipment and research of Direct Current (DC); thus started the War of Currents which led to the clash between the two inventors.

Nikola had opinions that the Alternating Current is better since it is cyclic like most natural phenomenon. Furthermore, DC required a power plant at every 2 mile distance for transmission while AC was easier to transmit, used thinner wires and had high voltages.

Edison was fighting a doomed cause but he was the one with money in his pocket. Considering the statistics, Nikola was trying to bring a storm in a broken teacup.

However Edison didn't stop there. He paid some local boys to kidnap some stray dogs and cats—His neighbors hated him for that—Having collected a fair amount of animals, he publicly electrocuted them as a demonstration of Alternating Current Hazards.



A multiple exposure picture

of Tesla sitting in his laboratory with his "Magnifying transmitter" generating millions of volts. The 7-metre (23 ft) long arcs were not part of the normal operation and were produced for effect by rapidly cycling the power switch

Invention of Radio:

Marconi is a well-known name especially to the first and second grade students. The Teachers in my childhood seemed to be devoted fans of him. He invented radio—says everyone, He even won a Nobel Prize for it. But do you know that his work on radio was based on seventeen of the patents of Tesla? Tesla knew that Marconi had used his research but his only reply was a well-thought grunt. The United States Supreme Court declared the most important patent of Marconi invalid in 1943; declaring Tesla's contribution as more significant.



I know you have strong opinions but how about we talk reality for a minute...

The Light bulb:

Guess what doesn't leave your side even in the bathroom. Your tushy!!! But apart from that the light bulb is also present there. This light bulb was the whooping invention that declared Thomas Edison as the father of Electrical age. But Thomas Edison was a seller, not an inventor. He took ideas from 22 of the men who worked for him including Tesla, and figured out how to sell this new thing called light bulb.

X-rays:

Discoverer of X-rays is said to be Wilhelm Rontgen. But Tesla was the one who beat Wilhelm to it and yet got zero credit. When X Rays were discovered, they were believed to possess medical healing powers. Tesla warned people that they could be dangerous and refused to conduct medical experiments with them.

Edison However was less picky about such things and got right to human trials. One of his assistants, Clarence Dally was exposed to so much radiation that his arms had to be amputated to save his life; He still died soon after that.

Radar (top secret):

According to the generally known concept, Robert A. Watson-Watt invented Radar in 1935. But actually Tesla came up with the idea of radar systems in 1917; 18 years before Robert. He presented his idea to the US Navy during World War I; but guess who was the head of R&D department of US....Dear Old Edison!!!

—It's the last time I'll grumble about Edison, I promise—

Edison convinced the navy that there was no practical use for radar in the war. Hence Nikola once more decided to work on something else.

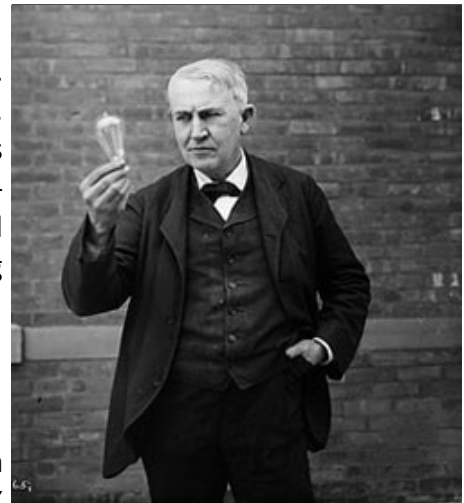
Others:

Tesla built the first Hydro-electric power plant at Niagra Falls.

He was the first person to record radio waves from outer space.

Tesla claimed that he can provide free wireless energy to the whole globe through Wardenclyffe tower. This tower was demolished in 1917 due to security reasons.

Discovered Earth's resonant frequency which was confirmed later on.



Light in a bulb...I know it sounds dumb but I swear 22 people were working on it.

Invented an earthquake machine which nearly destroyed the local neighborhood in New York—I bet the neighbors preferred just their dogs being electrocuted.

Love life of tesla:

Tesla was a handsome man. He was well groomed and had a sturdy mustache—believe it or not, people cared about such things back then— He spoke 8 languages: Serbian, Czech, English, French, German, Italian, Hungarian and Latin. Yet Tesla died at the age of 86 still a virgin. He spent his entire life being celibate.

On the other hand Thomas Edison married twice. I know I said I won't mention him, but this is really interesting. Thomas Edison's first marriage was with a 16 year old girl, Mary Sitwell who was an employee at one of his shops. Later at the age of 39, he married 20 year old Nina Miller. The bridge between being a true geek and a pretense one becomes pretty obvious here.

Accomplishments and awards:

(skip the bullet points if you hate statistics, find figures boring or have seen the Twilight series)

In 1917, Tesla was awarded the Edison Medal, the most coveted electrical prize in the United States—Ironic, huh...!

Nikola Tesla's name has been honored with an International Unit of Magnetic Flux Density called "Tesla."

The United States Postal Service honored Tesla with a commemorative stamp in 1983.

Tesla was inducted into the Inventor's Hall of Fame in 1975.

The Nikola Tesla Award is one of the most distinguished honors presented by the Institute of Electrical Engineers.

The Nikola Tesla Statue is located on Goat Island to honor the man whose inventions were incorporated into the Niagara Falls Power Station in 1895. Tesla is known as the inventor of polyphase alternating current.

The Nikola Tesla Corner Sign, located at the intersection of 40th Street and 6th Avenue in Manhattan, is a constant reminder to all New Yorkers of the greatness of this genius.

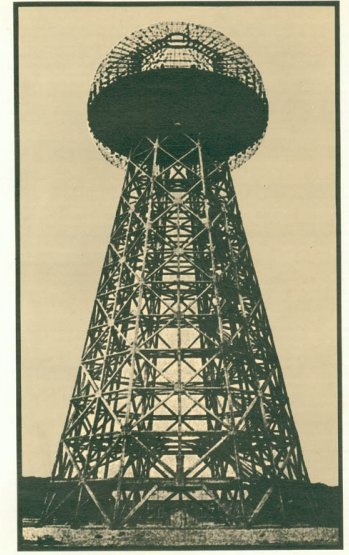
Tesla was a Serbian-American inventor who lived up to 86. His inventions are so many that this article is like a chicken's coupe to describe them all. Nikola Tesla was truly a visionary and a unique man. He was born at midnight during a lightning storm and He died broke and alone in a cold New York flat. In the days before his demise, Tesla had grown weak and was even having hallucinations. His words quote: Either the aliens found Tesla to be the only person worthy of contact or Tesla had started going insane

"I have been feeding pigeons, thousands of them, for years.

But there was one pigeon that I would know anywhere.

It was a female. I loved that pigeon and she loved me. Over the years, whenever I wanted her, I would call her and she would come flying to me.

As I looked at her, I knew she wanted to tell me — she was dying. And then as I got her message, there came light in her eyes — powerful beams of light"



An old photo of Wardencliff Tower

towards the end. In either case, inventors like him are rarely seen in the human history.

Queen Elizabeth: Controversially Yours

By: Kamil Maqsood Ahmed (KMA)

Note: Name of characters and places in this article are completely fictitious, any resemblance with any person/place dead or alive is a coincidence.

August 2030

Constitutional Head of England Queen Elizabeth II resigned minutes before MI6 Chief confirmed her that a resolution is going to be presented in British parliament calling for her disgraceful abdication. Queen Elizabeth too eager to continue, forced head of MI6 (who was a strict Catholic Christian) to swear on Bible, Quran, Bhagwat Gita, Gospel of Blasphemy (Holy Book of Atheism) and Gospel of Doubt (Holy Book of Agnosticism) just to confirm that they are not tricking or misleading her as they had tricked & mislead Tony Blair on Weapons of Mass Destruction in Iraq. Well, she was really pissed off when she signed her resignation. She abused each and every member of British Royal family, British Parliament and most importantly Scotland like a true 'Phappay Kutni'.



Prince Charles was taking bath when his secretary communications Kristina Kyriacou informed him that her mother has resigned. Prince of Wales became so excited that he immediately jumped out of his bath tub half naked and started screaming Eureka Eureka Istifa Eureka Istifa & danced like a crazy retard for 5 straight hours on a Bollywood item number 'maujan he maujan shaam saveray hun maujan he maujan'. On the contrary Elizabeth was finding solace in Atallah Esa Khelvi's sad number 'Allah Changiyan Kresi (Allah acha krega)'. Atallah lives in East London nowadays and is an elected British MP. Prince inspired by South Asian Politics started a 'Go Amma Go campaign' back in 2015 against his own mother Elizabeth, who was sticking to the crown like a bee sticks to honey. Charles' struggle became immensely popular in Scotland and in East London for two obvious reasons. One they all hated her, second they all hated her.

'Queen was & will never be a substitute for a good looking King' was the most popular slogan of 'Go Amma Go campaign' amongst British women. I don't know whether Britain was looking for Change or it was just defying feminism. In response to Charles' political activities Elizabeth on advice of her political secretary started 'Gandi Aulad' campaign which became slightly popular in West London and Royal Households but after sometime failed miserably for two reasons: One it was a 'desi' term, 2nd it was a 'desi' term. British Upper Class could never relate themselves with something with even remotest relation with brownies. It was a wild political mistake on Queen's part.

June 2031

One fine morning Elizabeth with her loaded team of lawyers stormed & filed a petition in British Crown Court claiming that when she signed her resignation she was high on alcohol so her resignation must be

considered invalid. She also claimed that her booze supplies mainly came from Scotland and Ireland, and they conspired against her. British Government read the pulse. In a cabinet meeting PM stated that a retired Queen is a too much political burden to carry. Cabinet decided to request all common wealth countries if any of them could make Elizabeth a queen again. Surely Britain wanted to get rid of her by all means.

No country other than Pakistan showed up on mother Britain's call. Foreign Ministry of Pakistan through a press briefing showed consent to adopt and reinstate retired British Queen. After a series of talks Pakistan became ready to make amendments in their constitution for mere 500 Million pounds. Other than 500 Million pounds Kingdom of Saudi Arabia's love for Monarchy and Pakistan's love for KSA played a vital role. Later that year Joint Session of Pakistani Parliament amended Constitution making Elizabeth Queen & Constitutional Head of Pakistan. Britain took a sigh of relief. Following that amendment a rumor became widespread on Pakistani social media claiming Elizabeth embraced Islam and her Islamic name is Rakshanda Baaji. Speaking on that rumor, Zaid Hamid on Geo TV claimed that Elizabeth had embraced Islam years ago and this was the reason behind her forced resignation. Elizabeth aka Rakshanda Baaji now lives in Shahi Qila Lahore. Her lifestyle has completely changed. She now gets high on 'Bhang' instead of expensive Scottish wine and takes drinks "payron wali lassi" to invoke sleep instead of sedatives.

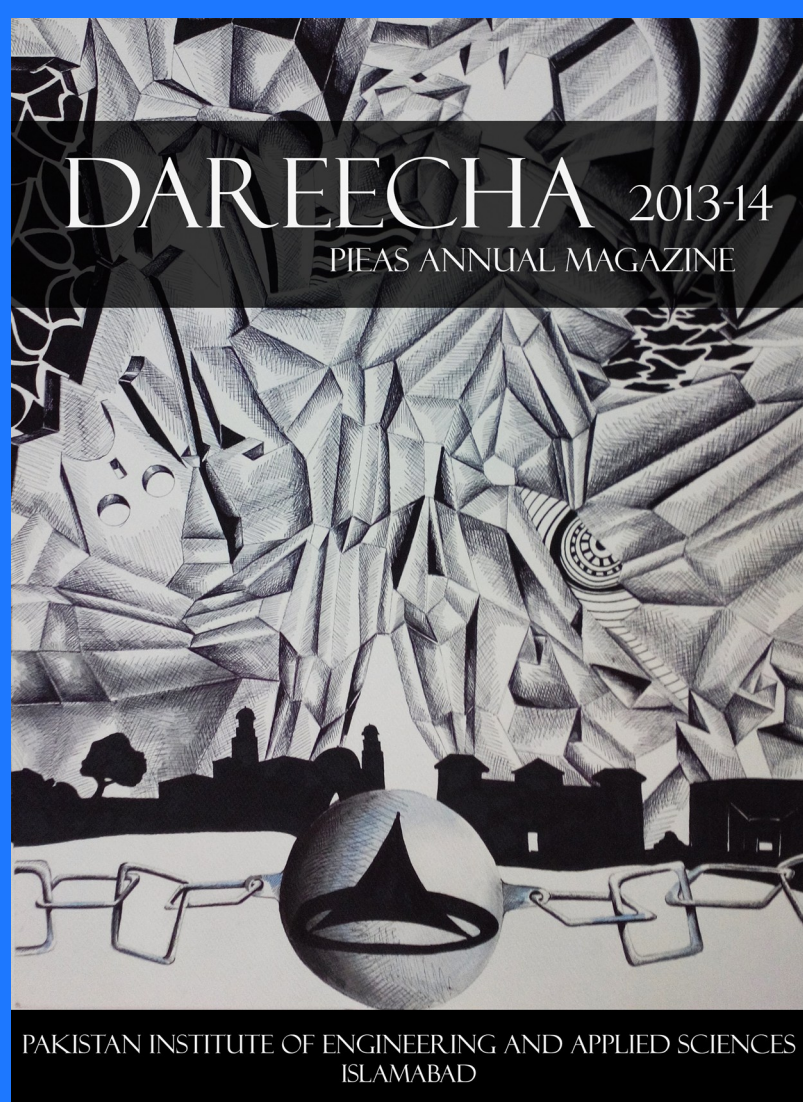
May 2040

Severe economic crisis jolted Pakistan again. In a strategic partner meeting between US diplomats and Pakistani 'safarshis', United States of America agreed to help Pakistan out in exchange for Queen Elizabeth aka Rakshanda Baaji whom they required for some research on human life extension. 114 year old Queen Elizabeth was a perfect specimen for such research. Joint Parliamentary Session of Pakistani Parliament unanimously passed a resolution to lease out Queen for a period of 10 years to States. Britain instantly terminated all diplomatic ties with Pakistan stating that their former Queen's British accent will be a constant subject of amusement in America. Secretary Information Pakistan in a question answer session held in Serena Islamabad stated that Britain's apprehensions are absurd and are based on lack of information, Elizabeth's ten year long stay in Lahore wiped off her British accent. She is now more fluent in Punjabi than Grammar Schooled Lahoris. Secretary Information also stated that it'll not be wrong to assert that Punjabi is now Queen's first language as she addresses Shahi Darbar (Royal Court) in thare(pure) Punjabi.

June 2050

10 year lease agreement exhausted in May 2050. Republic of Pakistan demanded return of 124 year old Queen but later Pakistan backed off her demand when foreign office briefed Civil & Military Establishment that during an investigation carried out by CIA, Queen accepted that Kohinoor diamond on her crown was not stolen but she herself sold that beauty in Suhay Bazar Lahore to bail out her Charitable Jihadi Organization which was going through times mainly due to economic meltdown in Arabia. Washington in an attempt to restore diplomatic ties with 10 Downing Street offered to return Elizabeth. Britain welcomed America's goodwill gesture, Elizabeth who outlived all Royals in Britain was welcomed in Britain with a constitutional amendment making her Queen again.

PIEAS' annual Magazine "Dareecha 13-14"



NUKTA'14

5TH, 6TH & 7TH DECEMBER

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