

ChemVoice

January '10

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Highlights

	Pg.
News of the month.....	1
Message from the director.....	2
A short biography of Hazrat Muhammad (PBUH).....	3
Nimir Chemicals.....	4
Technico 2010.....	5
Machine Beings.....	6
Holography.....	7
Upcoming Events.....	8



The 3rd Symposium on Engineering Sciences is heading on 10th of March 2010 in.....

Page # 1



An overview of the two businesses of NIMIR Chemical Group in Pakistan.....

Page # 4

Chemvoice the first E-Magazine of Institute of Chemical Engineering and technology



Truly, My prayer and My service of sacrifice, My life and death, are (all) for Allah, The Cherisher of The Worlds. -(Surah Al-Ina'am)

The Praised(S.A.W) Said

The building of Islam has been raised upon five pillars; The evidence that only Allah is fit to worship and that Muhammad (S.A.W.) is a creature of Allah and his prophet; observance of namaz; payment of zakat; performance of hajj and keeping of fasts in the month of ramzan. (Bukhari-muslim)

News Bulletin



Dr. Waheed Afzal has returned from abroad after the completion of his Doctriate.

A book was published with the title "Gas Cleaning" by Dr. Mahmood Saleem.

(With quite condolence.) Brother-in-law of Prof. Dr. Javed Ahmed, Dean of faculty and Mother-in-law of Dr. Rafi Ullah, student advisor has passed .(May Allah shower His uncountable blessings on him-Amen)

If you have any news or information please share it with us at chemvoice@yahoo.com

Events of the month

A special lecture was delivered by Engg. Shahzad Yazdani on "How to prepare for an interview".

A lecture was delivered on "Measures for low carbon economy", by Prof. A. R. Sal-eem from UET.

TECHNICO Box

A box is placed in library, to collect the material for TECHNICO 2010, from the students of Institute of Chemical Engineering and Technology.

Hurry up and drop your creative writings or articles to be a part of TECHNICO 2010, at your earliest convenience.- For more details see page # 5.

Symposium 2010

The 3rd symposium on engineering sciences will be held on 10th march , 2010 in ICET. More than forty presenters from all over the Pakistan are taking part in it to share their research work in different fields of science and a large number of participants will attend this event. The Vice Chancellor is expected to be the chief guest.

Message from The Director



This is really a moment of pleasure and pride for me to congratulate the editorial team of ChemVoice. We hope it would contribute positively towards developing a congenial learning environment at the institute.

I wish complete success of this E-magazine and desire that it would be a perpetual activity of the students of the institute.



Message from The Supervisor

I firmly believe that students of this prestigious Institute are teemed with talent in academic as well as extra-curricular activities. They can excel in all walks of life if they are provided necessary opportunities, inspiration and appreciation.

ChemVoice is the voice of the students of this Institute echoed in the academic circles of the University.

About ChemVoice

ChemVoice is the first ever, monthly electronic magazine of the students of ICET. It contains following permanent sections with some literary and scientific articles provided by different students.

- **Biography of Islamic personality**
- **Biography of a Scientist**
- **Overview of an Industry**
- **Pictures**
- **Overview of a Chemical engineering equipment.**
- **News of the month.**
- **Events of the month**
- **Introduction of a modern technology**
- **Famous Personalities borned this month**
- **A poem or short story**
- **Any interesting article**
- **Interesting Chem. Engineering related questions**

This is the first issue of ChemVoice, all the material is provided by members of editorial board themselves, therefore in this issue everything is published without the name of the contributor. Students of ICET are encouraged to provide the material for different sections regularly, so that from the next month each section will be published with the name of the contributor. You can provide beyond this list.



Shining forever...

HAZRAT MUHAMMAD (S.A.W)



Prophet Muhammad (S.A.W) was born in 570 CE (Common Era) in the city of Mecca in the Arabian Peninsula. As His father had died shortly after marriage, His grandfather 'Abd al-Muttalib became His guardian. 'Abd al-Muttalib was the respected head of the clan of Hashim and the tribe of Quraysh, to which His clan belonged. With the Quraysh being the biggest and most influential tribe in Mecca. The Prophet was only about five to six years old when He lost His mother. Orphan Muhammad then lost His grandfather and custodian 'Abd al-Muttalib at the age of eight. Pensive and withdrawn in temperament, He displayed an acute moral sensitivity at an early age, and He was known as Al-Amin ("the trusted one"). Like His fellow tribesmen, He became a trader and made several journeys to Syria, where He may have met and conversed with Christians. He then began to manage the business of a rich widow, Khadija; She was greatly impressed by both His honesty and ability, and She shortly offered Him marriage, which He accepted. Muhammad (S.A.W.) was 25 years old and Khadija may have been as old as 40 at the time. In 610 the first ayat of quran revealed on Him. And the last ayat in 632. Also In 632 He departure from this world in madinah.

Legends...

JOHAN GADOLIN

Gadolin, a Finnish chemist, Born in 1760 in Turku, Finland, discovered the element yttrium. Yttrium was the first of the rare earth lanthanide group discovered. He identified yttrium from the mineral from Ytterby, Sweden called yttria. Over the next century, yttria would be a source of nine more rare earth elements where one would be named after Gadolin, gadolinium. He died in the year 1852.

Man of the letters.

"Science is the only truth and it is the great lie. It knows nothing, and people think it knows everything. It is misrepresented. People think that science is electricity, automobilism and dirigible balloons. It is something very different it is life devouring itself. It is the sensibility transformed into intelligence. It is the need to know stifling the need to live. It is the genius of knowledge vivisectioning the vital genius."

Remy De Gourmont.

INTERESTING ?!

CHEMICALS

There are over 80,000 chemicals in commercial use today

Ununpentium is the latest element discovered.

Companies are not required to disclose their complete ingredients.

Over 1,000 new chemicals are introduced each year into our environment and food chain with little/no safety testing

It is estimated that 60 to 80 percent of all cancers are a direct result of chemicals in our air, water and food.

Testing of humans indicates the presence of hundreds and even thousands of chemical toxins in blood, urine, body tissue, and even breast milk.

MADE IN  **PAKISTAN**

NIMIR Chemicals

NIMIR Chemical Group has two businesses in Pakistan...

1. NIMIR Industrial Chemicals Limited.

It is an Oleo chemicals & ohlo alkali manufacturing company, incorporated as public limited company on Feb.6th,1994.

PRODUCTS:

Stearic Acid(TP)
Stearic Acid(DP)
Glycerin
Distilled fatty acids
Soap noodles
Hydrochloric acid
Sodium hypo chlorite



2. NIMIR Chemicals Pakistan Limited.

It is a chemical manufacturing company, incorporated as an unquoted public limited company on Nov. 19th,1989.its main strength is to produce petro chemical intermediate compounds.

PRODUCTS:

Di-octyl phthalate (DOP)
Phthalic anhydride (PA)*
Maleic anhydride (MA)
(* NIMIR Industrial Chemicals Limited is the only manufacturer of PA in Pakistan.)



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Born this month

On January...

3rd,1969 - Micheal Schumacher
 3rd,1956 - Mel Gibson
 6th,1412 - Joan Of Arc
 7th,1979 - Bipasha Basu
 7th,1964 - Nicolas Cage
 15th,1929 - Martin Luther King
 17th,1964 - Michelle Obama
 17th,1942 - Muhammad Ali
 17th,1706 - Benjamin Franklin
 30th, 1882 - Franklin Roosevelt

Pearls...

If you want to understand today, you have to search yesterday. [Pearl Buck](#)

Before God we are all equally wise - and equally foolish. [Albert Einstein](#)

A fool thinks himself to be wise, but a wise man knows himself to be a fool. [William Shakespeare](#)

[Shakespeare](#)

Rhyme of Thoughts



Everlasting attachments....

With the dejected steps, like falling dew drops,

On the stretches of travelled distances,
 Once I walked for a very long time.

One day my inner man asked me,
 Why I memorize those distances, often?
 Why I miss them a lot, often?

I answered, with a calm pride,
 Ever, a man living in desert, forgets the
 flown sand?

Ever, a fish forgets the lost oysters?
 Ever, a butterfly forgets the broken
 petals?

"No!" he replied to all.

I further spoke even not a single word,
 and also,

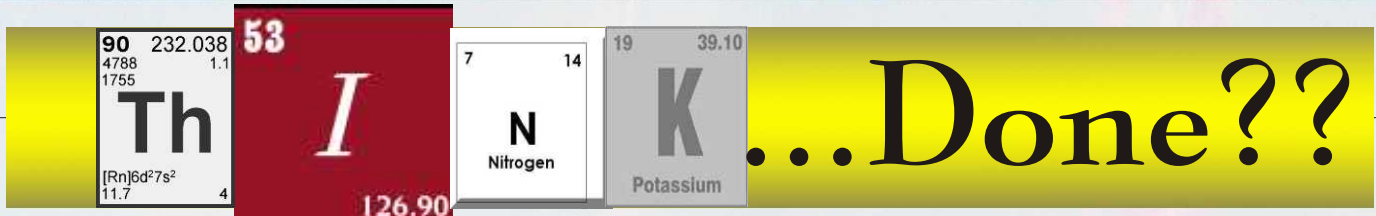
His "WHY" never arose again!!

By: M.Jawad Sheikh.

TECHNICO 2010

...After a gap of years, TECHNICO - the annual magazine of our institute is on the way to publish in a month or two, Insh-Allah. It will contain an Urdu and an English section. Hurry up and provide your creative writings, articles, Poetry, Short stories, Quotes, Humorous stuff, and famous Biographies etc. In English/urdu as soon as possible,

You can provide your articles by mailing at chemvoice@yahoo.com or you can also drop it in TECHNICO drop box paced in the library.-DON'T forget to write on one side of A4 size paper and writing your name, roll number, E-Mail and cell number.



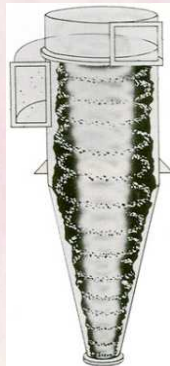
- ➡ A tanker of HCl was inadvertently unloaded into a storage tank used for H_2SO_4 . After about one-half of the load had been discharged, a violent explosion occurred, breaking the inlet & outlet lines and buckling the tank. What might be the cause of the explosion?
- ➡ Liquid was transferred by gravity from one tank to another tank of about the same height several hundred meters away. The second tank overflowed. Why?
- ➡ In a vessel containing liquid ammonia a leakage occurs accidentally. On escape the liquid ammonia is converted into gas, which is highly dangerous. What should be done, so that ammonia does not change into gas on exposure to atmosphere on escape from leakage area?

Machine Beings

Cyclone Separator

It employs a centrifugal field to effect a separation of the components of gas-solid systems; most common of them is separation of dust/mist from gases.

The feed enters the cyclone tangentially near the top. the immediate entrance to a cyclone is usually rectangular. Tangential entry imparts a spinning motion to the feed stream,



whereupon the gas and the suspended particles are thrown towards the wall of the chamber.

Spiraling fluid imparts some inward radial acceleration to the particle which at the same time gains downward acceleration due to gravitational force acting on it. The particles continue to descend in a spiraling path down the wall while the clean gas, freed of solids moves upward in the central core, and exit from the cyclone separator.

JUST FUN

Q: What if you become invisible for two hours?

Robbery in president house (Red)

ChemVoice: which one?

Go to Los Vegas (Tammy)

CV: and them time ends.....

Go to main library, coz I haven't library card (Dhoshi)

CV: Rofl :)

Robbing (Cool)

CV: of ur.....??

Go to Australia (Maxy)

CV: for study? Ok ok

Go to northern areas (Dr.Saadi)

CV: to become suicide bomber!

Robbery in bank (Arsal)

CV: bank u mean.....dad's pocket?

Thinks what to do (Bin Tariq)

CV: and cornetto melts...

Travelling by air (Maggi)

CV: o ,I thought ,by.....

Go to Khana Ka'aba for umrah (Bila)

CV: itny tum Mr.M.Sharif

Hmmm Ummmmmm..... (Wehshi)

CV: Endless desires...

Go to Miami Beach (Mental)

CV: doobny?!!

Visit fine arts department (Noty)

CV: you so artist!!

Suggestions for ChemVoice

We appreciate your suggestions for the improvement of ChemVoice, its layout, design, and contents .etc. Send us your feedback and suggestions on chemvoice@yahoo.com

HOW IT WORKS??

HOLOGRAPHY

Holography is the process of recording, and later reconstructing, 3-D visual images of physical objects.



The process uses sophisticated optics to split a laser beam into two separate parts. One beam is directed at an object, from which it is reflected towards a photographic plate. The other beam (reference beam) is aimed directly at the plate. The two beams meet at the plate and form an interference pattern that is recorded on the plate.

When the original laser beam (the reference wave) is later passed through the photographic plate with the interference pattern on it, an accurate and detailed 3-D image of the recorded object becomes visible, called "hologram". Holography is extensively used in computer data storage, medical diagnostic techniques & a lot more.

Memories...



Director ICET at the inauguration ceremony of sports



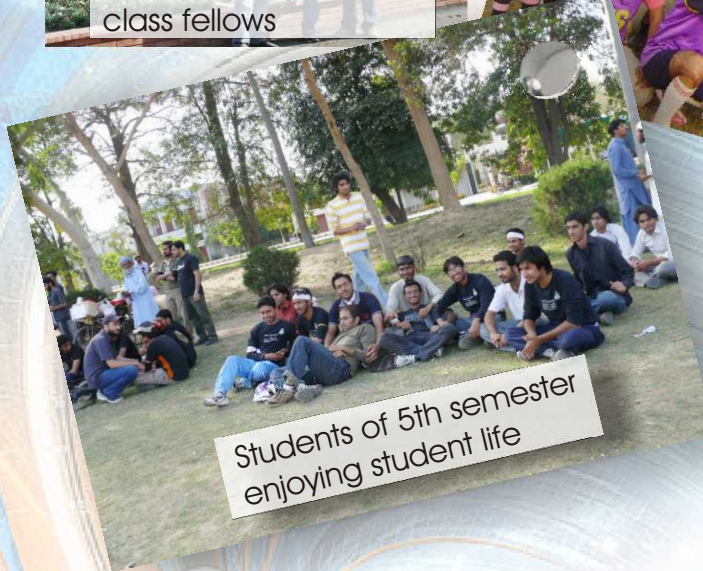
Prof. Rafi Ullah with Prof. Dr. Mehmood Saleem



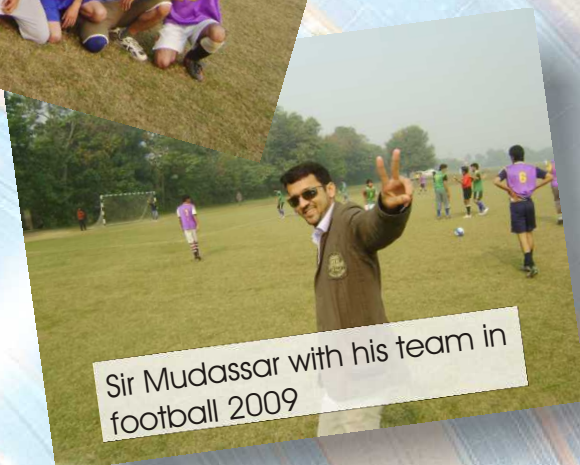
Sir Mah-e-Kamil with his class fellows



Football 2009 team of ICET



Students of 5th semester enjoying student life



Sir Mudassar with his team in football 2009

UPCOMING EVENTS

3rd symposium on Engineering sciences.

A technical lecture

Farewell dinner to final semester

Job Fair

NEXT



Next month in ChemVoice

Life of Hazrat Umer (R.A.)

Some talk with Dr. Amir Shafique

A funny survey on "WHAT IS YOUR DEADLY DESIRE??"

Introduction of Bar Coding- a leading technology

An overview of Ultra-centrifuge