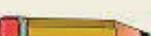


THE BYTE

An e-Magazine of CSE Department
of IMSEC Ghaziabad

SCHOOL TRANSFORM LEARNING



-  Current Affairs
-  Literary
-  Placements News
-  Latest Technologies
-  Q & A
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May 2015

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THE BYTE

ISSUE IX . MAY 2015

Article



THE BYTE

MAY, 2015

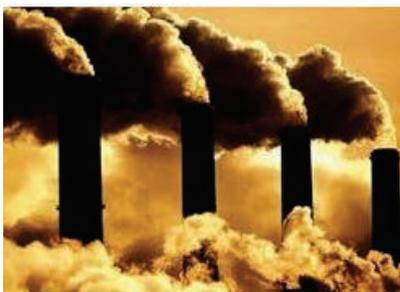
INCREASING THE POLLUTION IN AIR AND DECREASING OUR AGE

By : Mr. Vishen Gupta
Assistant Professor
Dept. of CSE

“We live in a world where unfortunately the distinction between true and false appears to become increasingly blurred by manipulation of facts, by exploitation of uncritical minds, and by the pollution of the language.”

— Arne Tiselius ”

Along with the water forest and earth, now there is also fight for fresh air, out of 20 most air polluted cities of world ten cities are of India. Our country's air are so Polluted , the consequences of it is that we are losing our age around 3 years. Except it there are several type of infection and health problem in our body are investigating day to day life. So there is poison in every breath you take. Respiratory deceases are so common in human.



Respiratory and cardiovascular diseases key reasons for air pollution-induced premature deaths: These diseases include stroke (25.48%), chronic obstructive pulmonary disease (17.32%), Ischemic heart disease (48.6%), lower respiratory infections (6.4%), and trachea, bronchus

and lung cancer (2.02%). So by and large every year 60 millions peoples are dying.

Out of all the cities in India, the worst condition is of New Delhi. Delhi has Become a First air polluted City after the Beijing of china.



In India pollution in air is 163 Microgram per meter cubic. While in ideal stage its quantity should be 60 microgram per meter cubic. Because of that country like America, Germane and Japan has decreases the time of their Ambassador in India from 3 years to 2 years. While in several embassy and their ambassadors has installed Air Purifier in their Residence.

To change this worst condition of Delhi, State Gove of Delhi decided that to free the road of Dust particle

For this purpose, not only to construction of road and footpath well, but also insist increases of greenery.

Solution of air pollution is not sufficient only by normal way. Till the last years the city Beijing that had worst condition in pollution, who has decreases their Air Pollution Around 4 percent in Last 8 year.

We must to learn by them how they discarded old vehicle. The limitation of purchasing new vehicle etc.

For Reduction of Pollution nation Green Tribunal (NGT) a govt. organization of India Bans On old Vehicle. For this purpose NGT issued notices to chief secretaries of all states and union territories seeking status on prevention of air pollution with regard to vehicular traffic

NGT bans Diesel vehicles over 10 years old in Delhi Petrol Vehicle over 15 years old in Delhi.

Latter and Sooner it will be Applicable in whole India. Along with it the several other company and foundation are getting involved to stop pollution, along with it there is need to increase the electric vehicle for all.





SMART SOCIAL MEDIA MAKING US MORE STUPID

Social media, we all know, can make you unproductive. If you're indiscreet or offensive, it can complicate your relationships. But can it also make you downright dumb?

By : Shubham Dixit , B.Tech ,3rd yr CS2

"Please stop spending your golden time on social sites, they are just increasing business and not giving you anything"

It's not just that all those hours clicking useless pictures and sharing simply represents time that could be spent, say, reading a book and actually learning something. The greater problem seems to be the human tendency to copy others.

To come to this conclusion, the scientists created five artificial social networks made up of volunteers. Some connected their members in a tight net, where everyone was in contact with everyone else. Others kept the participants more separate. They then

tasked the participants with answering a tricky set of brainteasers. Were those who were more socially connected more or less likely to figure out the right answers?

In the short term, more connections yielded more right answers, but not because members were learning. Nope, they were just stealing. "The researchers found that in well-connected networks volunteers...got better at giving the right answer the more times they were asked and the more opportunities they had to steal their neighbor's answers," Phys.org reports. "This result showed that when the students had lots of connections to peers they could recognize where they had given a wrong answer and swap it for the right one."

But did copying smarter social connections improve participants' ability to figure out the answers independently? **NO.** Given a fresh

question, the copycats performed no better than when they first joined the social

network.

The Good News--and the Bad

The results offer encouragement for both fans and critics of social networks. If you look at things on the group level, there is reason for cheer. "Being able to copy from other people in vast networks means analytical responses rapidly spread, fulfilling their promise of improved decision-making for well-connected people," But for individuals, the implications are less positive. Social networking probably isn't making you smarter. In fact, it could be making you dumbby supplying answers and insights without requiring any actual thinking, so that your analytical powers begin to waste away like an unused muscle. Or as the research team puts it: "On the other hand, the bias may very well decrease the frequency of analytical reasoning by making it easy and commonplace for people to reach analytical response without engaging analytical processing." In the long-term, they warn, "increased connectivity may eventually make us stupid by making us smarter first."



Amazing Facts about Mobile Phones

DEEPAI AGARWAL
PRO-TERM LECTURER
(CSE DEPT)



1. Our mobile phone has more computing power than the computers used for the Apollo 11 moon landing.
2. In 1983, the first mobile phones went on sale in the U.S. at almost \$4,000 each.
3. Apple sold 340,000 iPhones per day in 2012.
4. Mobile phones have 18 times more bacteria than toilet handles.
5. In Japan, 90% of mobile phones are water proof because youngsters use them even in the shower.
6. Mobile Phone

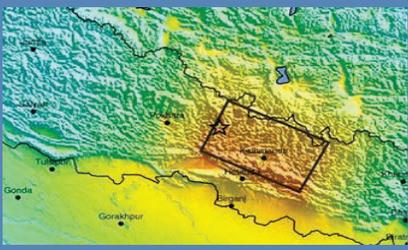
Radiation can cause Insomnia, headaches and confusion.

7. The first mobile phone call was made in 1973 by Martin Cooper, a former Motorola inventor.
8. Apple's iPhone has higher sales than everything Microsoft has to offer.
9. Nomophobia is the fear of being without your cell phone or losing your signal.
10. Over 250 million Nokia 1100 devices were sold, making it the bestselling electrical gadget in history.
11. 100,000 mobile phones are dropped down the toilet in Britain every year.



12. So many Facebook photos and videos are uploaded via mobile that it takes up 27% of upstream web traffic.
13. Apple's iPhone consumes US\$0.25 worth of electricity per year if it's fully charged once a day.
14. 65% of Smartphone users download zero apps per month.
15. 99% of all mobile malware is targeted at Android users.

16. 70% of mobile phones are manufactured in China.
17. Around 80% of the world's population has a mobile phone.
18. More than 90% of adults have their mobile phone within arm's reach all the time.
19. There are more mobile phones than PCs, the ratio is 5 times.
20. More than 4 billion people own mobile phones. But only 3.5 billion use a toothbrush.
21. Within 3 minutes of delivery, 90% of text messages are read.
22. More than 80% of adults in U.S. own a mobile phone.
23. What is your monthly mobile phone bill? 142,000 pounds is the highest ever mobile bill by Celina Aarons.
24. According to Guinness World Records, Sonim XP3300 Force is recognized as the toughest phone. It survived an 84ft drop without any operational damage.
25. Mobile phone industry is the fastest growing industry in the world.
26. iPhone 5 Black Diamond is the costliest phone in the world, which costs \$15 million. It will take nine weeks to build, made of 135 gram solid gold of 24 carat and the chassis was in laid with 600 white diamonds.
27. 74 % of Smartphone users use their mobile phone to help with shopping, of which 79% ultimately making a purchase. 25. Mobile phone users mostly spend their time on games and social networking(49% and 30% respectively).



EARTHQUAKE

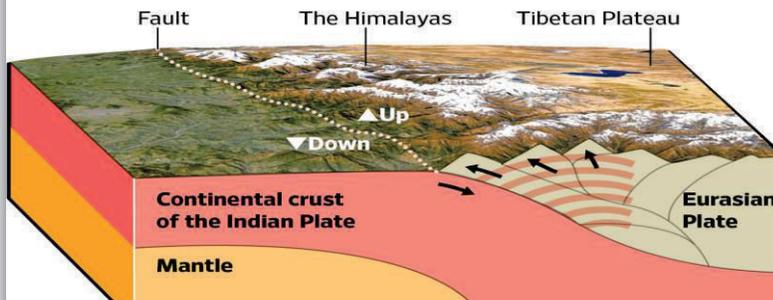
(When The Earth Shakes)

BY : AMIT KUMAR GAUTAM
ASSISTANT PROFF.
Dept. of CSE

Terrible as Saturday's earthquake was in Kathmandu, geologists fear more bad news to come as information filters in from the surrounding mountainous countryside which has been cut off from the world by the disaster. Landslides are certain to have blocked roads and rivers, caused flooding, and may have tumbled entire communities off mountainsides.

Continental Collision

As the Indian subcontinent pushes against Eurasia, pressure is released in the form of earthquakes. The constant crashing of the two plates forms the Himalayan mountain range.



In geological terms, the tremor occurred like clockwork, 81 years after the region's last earthquake of such a magnitude, in 1934. Records dating to 1255 indicate the region—known as the Indus-Yarlung suture zone—experiences a magnitude-8 earthquake approximately every 75 years, according to a report by Nepal's National Society for Earthquake Technology. The reason is the regular movement of the fault line that runs along Nepal's southern border, where the Indian subcontinent collided with the Eurasia plate 40 million to 50 million years ago.

"The collision between India and Eurasia is a showcase for geology," said Lung S. Chan, a geophysicist at the University of Hong Kong. The so-called India plate is pushing its way north toward Asia at a rate of about 5 centimeters, or 2 inches, a year, he said. "Geologically speaking, that's very fast."

As the plates push against each other, friction generates stress and energy that builds until the crust ruptures, said Dr. Chan, who compared the quake to a thermonuclear weapons explosion. In the case of Saturday's quake, the plate jumped forward about 2 meters, or 6.5 feet, said Hongfeng Yang, an earthquake expert at the Chinese University of Hong Kong. Saturday's quake was also relatively shallow, according to the U.S. Geological Survey. Such quakes tend to cause more damage and more aftershocks than those that occur deeper below the earth's surface.

After an earthquake, the plates resume moving and the clock resets. "Earthquakes dissipate energy, like lifting the lid off a pot of boiling water," said Dr. Chan. "But it builds back up after you put the lid back on."



Earthquake Safety Tips

Triangle of life

Controversial theory by **Doug Copp**. It says objects like sofa, desk and other furniture get crushed when a roof collapses and a void (often triangular in a shape) is created around it. That's a safe place to seek cover, ideally in a fetal position

Triangle of Life —

Drop and cover

Also called 'drop, cover and hold on', this is considered the safest method of earthquake survival according to most experts, including the Red Cross and FEMA

Indoors

In a multi-storied building

Lie down in a foetal position next to a bed sofa or a bulky object

Triangle of Life —

On the road

Pull your car to the side of the road and stop

Outside

If you are outside the building, run towards the middle of the street/street

If inside, get near the outer walls of the building

Safest places | Middle of a field, middle of a street where falling glass can't reach you, on top of a wooden flooring, space between two large objects and a boat

Deadliest places | Under an object that gets squashed (like a desk, car, bed), stairs, ground floor of a building, inside an elevator, in a doorway of a collapsed building

Outdoor

Move to a clearing if you can

Avoid power lines, trees, buildings, signs, vehicles and other hazards

Driving

Pull over to the side of the road and set the parking brake

Stay inside the vehicle until the tremors are over. If power line falls on the car stay inside until a trained person removes the wire

Why rescuers and experts recommend a drop, cover and hold on

- 1 Any movement when the ground is shaking is risky
- 2 The greatest danger is from falling and flying objects
- 3 Try to move into an open space as quickly as possible

REGIONS MOST VULNERABLE TO EARTHQUAKES



What you need to know about Net Neutrality

By : *Lipika Gool*

Asst. Proff.

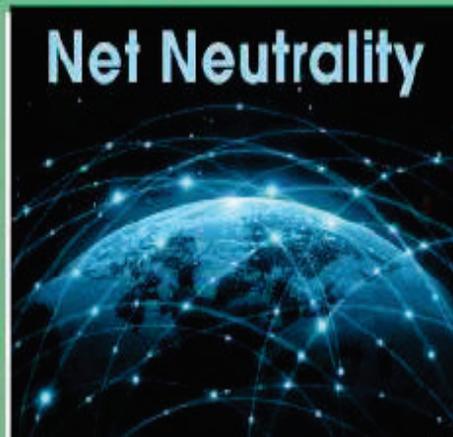
Dept. of CSE

The phrase 'net neutrality' has been in the news for some time and people are already debating its merits and demerits. Here are a few basic things you need to know about the issue.

What's the concept?

Net neutrality implies that all internet-based sites and services should be treated equally, without any difference in terms of speed and cost of access. It is based on the concept that there are no specific rules, but internet service providers should follow the same principle.

Net Neutrality is the Internet's guiding principle: It preserves our right to communicate freely online. This is the definition of an open Internet. Net Neutrality means an Internet that enables and protects free speech. It means that Internet service providers should provide us with open networks — and should not block or discriminate against any applications or content that ride over those networks. Just as your phone company shouldn't decide who you can call and what you say on that call, your ISP shouldn't be concerned with the content you view or post online. Without Net Neutrality, cable and phone companies could carve the Internet into fast and slow lanes. An ISP could slow down its competitors' content or block political opinions it disagreed with. ISPs could charge extra fees to the few content companies that could afford to pay for preferential treatment — relegating everyone else to a slower tier of service.



What's the issue with it?

In January, telecom operators asked the govt to bring over-the-top (OTT) players like Skype, WhatsApp and Viber under regulation, as these were making a dent in their revenues

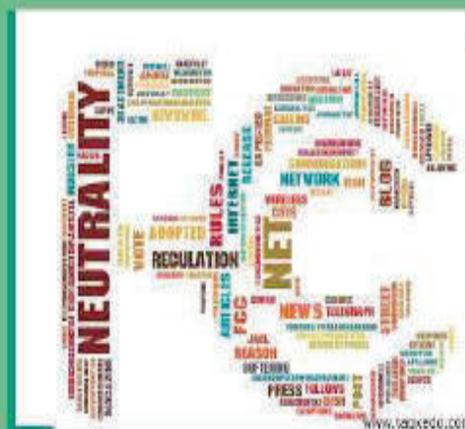
Bharti AIRTEL came up with a plan to charge separately for internet-based voice calls provided by OTT players. There was huge public outcry in social media against such charges.



Did the court rule against Net Neutrality?

No. The court ruled against the FCC's ability to enforce Net Neutrality under the shaky legal foundation it established for those rules. The court specifically stated that its "task as a reviewing court is not to assess the wisdom of the Open Internet Order regulations, but rather to determine whether the Commission has demonstrated that the regulations fall within the scope of its statutory grant of authority."

When the FCC made its 2010 open Internet rule, it relied on two decisions the Bush-era FCC made, rulings that weakened the FCC's authority over broadband Internet access providers. Nothing in the January 2014 court decision prohibited the FCC from reversing those misguided decisions and reclassifying ISPs as common carriers. In fact, both this decision and a prior Supreme Court decision showed that reclassification would provide the best means of protecting the open Internet.





Net neutrality is a principle that says **Internet Service Providers (ISPs)** should treat all traffic and content on their networks equally.



Why is Net Neutrality important for businesses?

Net Neutrality is crucial for small business owners, startups and entrepreneurs, who rely on the open Internet to launch their businesses, create a [MARKET](#), advertise their products and services, and distribute products to customers. We need the open Internet to foster job growth, competition and innovation.

Net Neutrality lowers the barriers of entry for entrepreneurs, startups and small businesses by ensuring the Web is a fair and level playing field. It's because of Net Neutrality that small businesses and entrepreneurs have been able to thrive on the Internet. They use the Internet to reach new customers and showcase their goods, applications and services.

No company should be able to interfere with this open marketplace. ISPs are by definition the gatekeepers to the Internet, and without Net Neutrality, they would seize every possible opportunity to profit from that gatekeeper control.

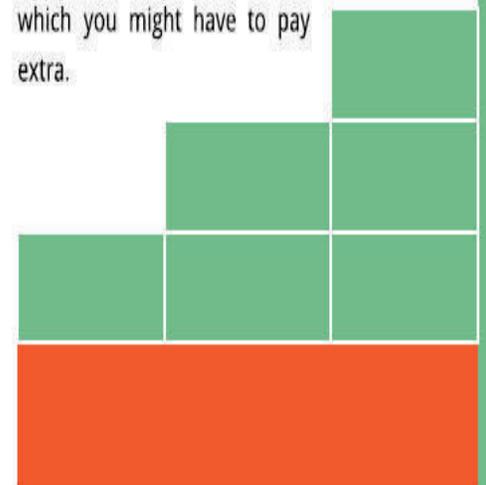
Without Net Neutrality, the next Google would never get off the ground.

How does net neutrality affect you?

The internet is now a level-playing field. Anybody can start up a website, stream music or use social media with the same amount of data that they



have purchased with a particular ISP. But in the absence of neutrality, your ISP might favour certain websites over others for which you might have to pay extra.



THE BYTE

ISSUE IX . MAY 2015

Latest Technology

STRENGTH IN NUMBERS: FIRST-EVER QUANTUM DEVICE THAT DETECTS AND CORRECTS ITS OWN ERRORS

"It's a major milestone," said Barends. "Because it means that the ideas people have had for decades are actually doable in a real system."

When scientists develop a full quantum computer, the world of computing will undergo a revolution of sophistication,

Unlike classical computing, in which the computer bits exist on one of two binary ("yes/no," or "true/false") positions,

- ▶ *The Martinis Group continues to refine its research to develop this important new tool. This particular quantum error correction has been proved to protect against the "bit-flip" error, however the researchers have their eye on correcting the complementary error called a "phase-flip," as well as running the error correction cycles for longer periods to see what behaviors might emerge.*

speed and energy efficiency that will make even our beefiest conventional machines seem like Stone Age clunkers by comparison.

But, before that happens, quantum physicists like the ones in UC Santa Barbara's physics professor John Martinis' lab will have to create circuitry that takes advantage of the marvelous computing prowess promised by the quantum bit ("qubit"), while compensating for its high vulnerability to environmentally-induced error.

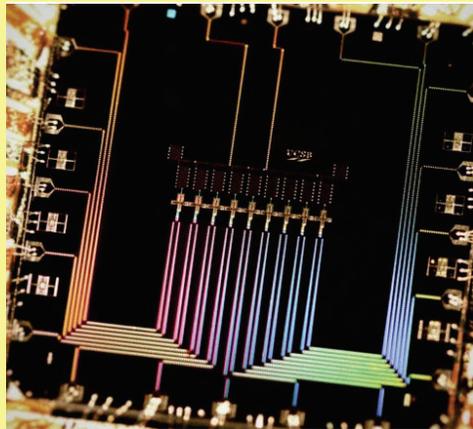
In what they are calling a major milestone, the researchers in the Martinis Lab have developed quantum circuitry that self-checks for errors and suppresses them, preserving the qubits' state(s) and imbuing the system with the highly sought-after reliability that will prove foundational for the building of large-scale superconducting quantum computers.

It turns out keeping qubits error-free, or stable enough to reproduce the same result time and time again, is one of the major hurdles scientists on the forefront of quantum computing face.

"One of the biggest challenges in quantum computing is that qubits are inherently faulty," said Julian Kelly, graduate student researcher and co-lead author of a research paper that was published in the journal *Nature*. "So if you store some information in them, they'll forget it."

qubits can exist at any and all positions simultaneously, in various dimensions. It is this property, called "superpositioning," that gives quantum computers their phenomenal computational

power, but it is also this characteristic which makes qubits prone to "flipping," especially when in unstable environments, and thus difficult to work with.



"It's hard to process information if it disappears," said Kelly.

The error process involves creating a scheme in which several qubits work together to preserve the information, said Kelly. To do this, information is stored across several qubits.

"And the idea is that we build this system of nine qubits, which can then look for errors," he said. Qubits in the grid are responsible for safeguarding the information contained in their neighbors, he explained, in a repetitive error detection and correction system that can

protect the appropriate information and store it longer than any individual qubit can.

"This is the first time a quantum device has been built that is capable of correcting its own errors," said Fowler. For the kind of complex calculations the researchers envision for an actual quantum computer, something up to a hundred million qubits would be needed, but before that a robust self-check and error prevention system is necessary.

Key to this quantum error detection and correction system is a scheme developed by Fowler, called the surface code. It uses parity information -- the measurement of change from the original data (if any) -- as opposed to the duplication of the original information that is part of the process of error detection in classical computing.

That way, the actual original information that is being preserved in the qubits remains unobserved.

Why? Because quantum physics.

"You can't measure a quantum state, and expect it to still be quantum," explained Barends. The very act of measurement locks the qubit into a single state and it then loses its superpositioning power, he said. Therefore, in something akin to a Sudoku puzzle, the parity values of data qubits in a qubit array are taken by adjacent measurement qubits, which essentially assess the information in the data qubits by measuring around them.

"So you pull out just enough information to detect errors, but not enough to peek under the hood and destroy the quantum-ness," said Kelly.

This development represents a meeting of the best in the science behind the physical and the theoretical in quantum computing -- the latest in qubit stabilization and advances in the algorithms behind the logic of quantum computing.

Artificial hand able to respond sensitively thanks to muscles made from smart metal wires

By : Nikhilendra, B.Tech,^{3rd} yr CS2



Engineers at Saarland University have taken a leaf out of nature's book by equipping an artificial hand with muscles made from shape-memory wire. The new technology enables the fabrication of flexible and lightweight robot hands for industrial applications and novel prosthetic devices. The muscle fibres are composed of bundles of ultrafine nickel-titanium alloy wires that are able to tense and flex. The material itself has sensory properties allowing the artificial hand to perform extremely precise movements. The research group led by Professor Stefan Seelecke will be showcasing their prototype artificial hand and how it makes use of shape-memory 'metal muscles' at HANNOVER MESSE -- the world's largest industrial fair -- from April 13th to April 17th.

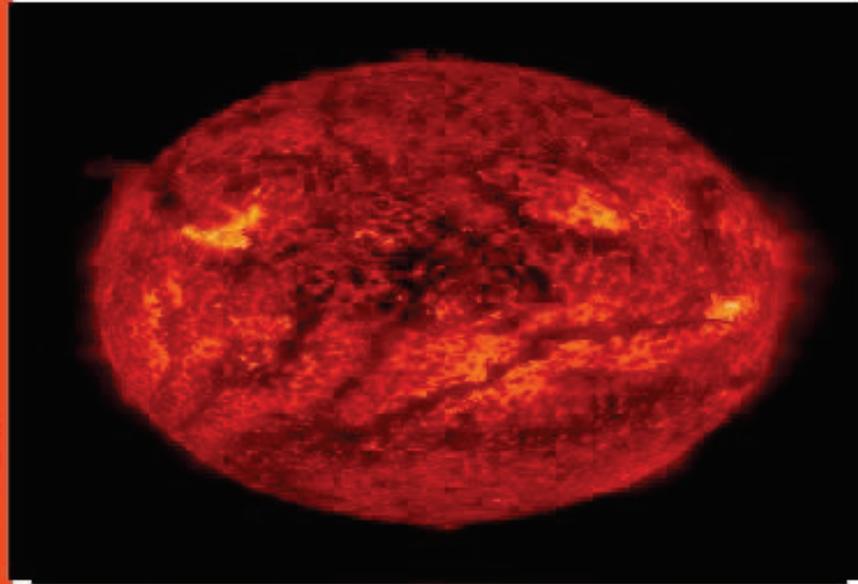
The hand is the perfect tool. Developed over millions of years, its 'design' can certainly be said to be mature. The hand is extraordinarily mobile and adaptable, and the consummate interaction between the muscles, ligaments, tendons, bones and nerves has long driven a desire to create a flexible tool based upon it. The research team led by Professor Stefan Seelecke from Saarland University and the Center for Mechatronics and Automation Technology (ZeMA) is using a new technology based on the shape memory properties of nickel-titanium alloy. The engineers have provided the artificial hand with muscles that are made up from very fine wires whose diameter is similar to that of a human hair and that can contract and relax.

'Shape-memory alloy (SMA) wires offer significant advantages over other techniques,' says Stefan Seelecke. Up until now, artificial hands, such as those used in industrial production lines, have relied on a lot of complex background technology. As a result they are dependent on other devices and equipment, such as electric motors or pneumatics, they tend to be heavy, relatively inflexible, at times loud, and also expensive. 'In contrast, tools fabricated with artificial muscles from SMA wire can do without additional equipment, making them light, flexible and highly adaptable. They operate silently and are relatively cheap to produce. And these wires have the highest energy density of all known drive mechanisms, which enables them to perform powerful movements in restricted spaces,' explains Seelecke. The term 'shape memory' refers to the fact that the wire is able to 'remember' its shape and to return to that original predetermined shape after it has been deformed. 'This property of nickel-titanium alloy is a result of phase changes that occur within the material. If the wire becomes warm, which happens, for instance, when it conducts electricity, the material transforms its lattice structure causing it to contract like a muscle,' says Seelecke.

The engineers use 'smart' wires to play the role of muscles in the artificial hand. Multiple strands of shape-memory wire connect the finger joints and act as flexor muscles on the front-side of the finger and as extensor muscles on the rear. In order to facilitate rapid movements, the engineers copied the structure of natural human muscles by grouping the very fine wires into bundles to mimic muscle fibres. These bundles of wires are as fine as a thread of cotton, but have the tensile strength of a thick wire. 'The bundle can rapidly contract and relax while exerting a high tensile force,' explains Filomena Simone, an engineer who is working on the prototype of the artificial hand as part of her doctoral research.

Another effect of using the shape-memory metal wires is that the hand can respond in a natural manner when someone intervenes while a particular movement is being carried out. This means that humans can literally work hand-in-hand with the prototype device. A semiconductor chip controls the relative motions of the SMA wires allowing precise movements to be carried out. And the system does not need sensors. 'The material from which wires are made has sensor properties.

BY: Nidhi Maheshwari
B.Tech , 3rd yr CS2



Automation offers big solution to big data in astronomy

Windiness forced NASA to scrub the launch yesterday of a new satellite designed to provide real-time monitoring of, well, the solar wind. And from the looks of things, the Sun is not happy about it.

| Update, 2/11/15: At a few minutes past 6 p.m. EST, the Deep Space Climate Observatory, or DISCOVR, successfully lifted off from Cape Canaveral Air Force Station in Florida. For a photo and more information, scroll down. Windiness forced NASA to scrub the launch yesterday of a new satellite designed to provide real-time monitoring of, well, the solar wind. And from the looks of things, the Sun is not happy about it.

As NASA puts it:

SDO shows colder material as dark and hotter material as light, so the line is, in fact, an enormous swatch of colder material hovering in the sun's atmosphere, the corona.

Stretched out, that line – or solar filament as scientists call it – would be more than 533,000 miles long. That is

longer than 67 Earths lined up in a row.

The scrubbed launch yesterday was of the Deep Space Climate Observatory, or DISCOVR. It has been rescheduled for today at 6:03 EST.

The National Oceanic and Atmospheric Administration will use the DISCOVR spacecraft to monitor the wind of charged particles emanating from the Sun – in real time. This will help NOAA provide accurate and long lead-time space weather alerts and forecasts. According to NOAA:

Without timely and accurate warnings, space weather events like the geomagnetic storms caused by changes in solar wind have the potential to disrupt nearly every major public infrastructure system, including power grids, telecommunications, aviation and GPS.

We'll see whether DISCOVR gets off the ground later today. In the meantime... | 7 p.m. EST: SUCCESS! DISCOVR is now on its way to a position a million miles from Earth. Here it is, right after liftoff, riding on a column of flame.



DISCOVER is a successor to NASA's Advanced Composition Explorer spacecraft, or ACE, which was launched into orbit in 1997 to provide solar wind alerts and warnings. ACE has long outlived its designed lifetime.

Like ACE, DISCOVER will take up station at a point

called L1, where the gravity of the Earth and Sun cancel each other out. This is a good position because solar wind particles streaming from the Sun reach the spacecraft about an hour before Earth. That will give DISCOVER time to relay data to Earth of increases in the solar wind that could lead to damaging geomagnetic storms.

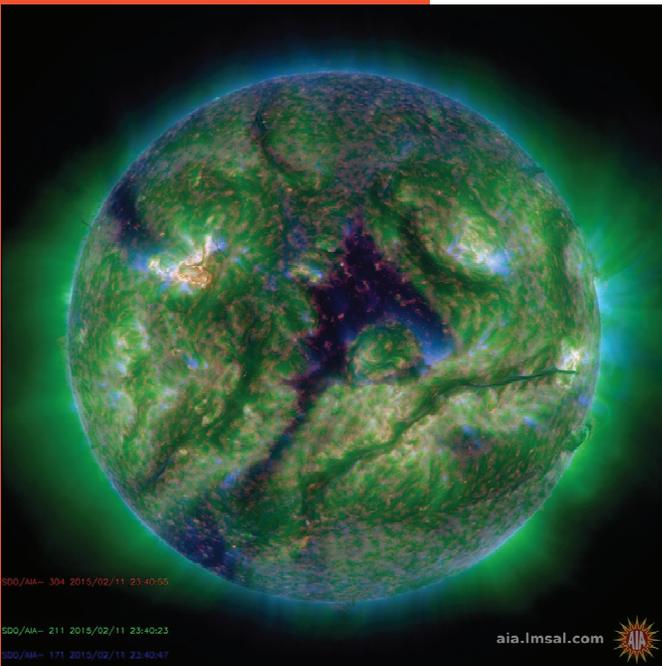
And now, back to our original programming...|

The video above shows 48 hours of observations of the Sun by the existing SDO spacecraft.

It's seen here in the AIA 304 channel, which is good at showing areas where cooler dense plumes

of plasma comprising filaments and prominences are located above the visible surface of the Sun. | Update 2/11/15, 7:30 p.m. EST: I'm sorry, but I just can't resist - one more image, this one created using channels that highlight a number of features in the Sun's chromosphere (an irregular layer just above the visible surface) and coro

Yup. Looks like the Sun is still frowning...



THE BYTE

ISSUE IX . MAY 2015

Literary

Searching Peace : Afghan Skies

(Winner of Creative Writing (Poem) Competition organize by THE BYTE)

BY : SANJAY BASNET ,B.Tech , 2nd yr ,CS2

I'm sitting here smelling the common caper
Trying very hard to put pen to paper
Trying to write something that you can relate to
But it's not that easy a breakthrough

Yo!

They say to write something creative
For it's a fight judging who's the best at it
But I can't be instantly innovative,
I'm driven; this God given gift comes naturally to the native
So sit tight and listen what I wrote down in the night
It's a story of a place where you can't fly a kite
Yeah! You heard it right
It's from a soldier's viewpoint
And here it goes straight from my heart!

It's hard to relate to my personal circumstances
I'm out here in Afghanistan now taking my chances
Read what you read and say what you say
You won't feel it until you've lived it by the day

Deprived people with medieval ways
frisk your life without any delay
Tired every day, trapped in a trivial bay
risk a knife, being lit-out or shot any day
And now we're all the same each playing our part in this brutal game
It's a shame cos' it's nothing like cristiano ronaldo shot to fame!!

I've been and seen, and feel slightly unclean
About things I've done under a hot sun
Sometimes I wonder where I have been, not keen at the scene
of civilians plundered with a shot gun
The people don't understand a place where every day man kills fellow man to the last bone
We've got no choice but to obey our orders cos' we're in the middle of a war zone.



But the spoils of war turn bad
when you send friends home in a body bag
With anger strong and bitterness high
you struggle to fight the emotions inside
You're told to be tough, you're told to be mean
that you're not a man, you're a killing machine

But hidden away deep down inside
you are a man and you cannot hide
For your children scream and your children cry
for they don't understand the reason why
Why at war it's right to take a life but in peace time, it's our worst crime?

So your country knows what's good for you
now take your orders and carry them through
And finish it quick the job you do, to kill another man
For there will never be peace on earth my friend
So listen to the feet of the marching men!!

Is it right to fight In an unjust war? Well I don't have a choice
And peace is such a bore, being paid two pence to put my life on the line
Trying to pretend that everything's fine believing that one day you'll shine
Nothing about war is peaceful, nothing about dying is graceful
but maybe in those last seconds, that last breath, that last blink....PEACE FINDS
YOU!!!



I MISS YOU MOM

BY : AAYUSH MITTAL
B.TECH , 3RD YR CSE

(From a child to his lost mother)

Winner of Creative Writing (Poem) Competition organised by THE BYTE

*I wish you were here
and wipe my tears I shed every night.
I wish you were alive
So that I could hug you very tight.*

*I am lost in this hatred world mom
I am missing your love every day
and am missing your gentle kisses am missing your caring touch
I wish that together somewhere - we could stay.*

*Since the day I was born
You loved me more than anything, cared for me the best
but now you are nowhere to be seen
Without you mom - my world seems to be at rest.*

*Now who would encourage me when I am sad?
Is it to be my foolish friends who call me mad?
And who would feed me when my arm is broken?
Will you come back for it mom? Or will there be no one?*

*I want you to scold me mom, when I come back home late
I want you to hold my hands, if I don't wait
and I want you to make me smile, when I'm upset
But you have left me forever mom - and you'll never come back.*

*But still I will challenge the sun, fly till the moon
if you promise me mom to come home soon
and I will seriously run on the fire, walk in the pain
if you promise me mom to love me the same way again.*

*Still I remember that night - when you were taking your last breath
The faces of grief, wet were the eyes - when you were inching to death and I was
crying and shouting - "don't go mom, please don't die Please don't leave
me, don't say goodbye.*

*Please stay to love me
like no other mom can do
Please stay dear mom
else I will die without you.*

*I want your laps on which I can put my head and sleep
I want your arms round which I can put my arms and weep
I need you mom" - but now you're gone
and all I can do is to miss you mom
I miss you mom.*



Racism Racism

1st Runner –up of Creative Writing (Poem) Competition organize by THE BYTE

BY : KIRITIKA AGARWAL
B.TECH 3RD YR CS1

*I have been discriminated
But I refuse to be intimidated
For I am a victim of racism
But it isn't my fault.*

*Take into consideration
About my situation
That I am a target of racism
But it isn't my fault.*

*Being put into humiliation
Caused my frustration
Because I am a prey of racism
But it isn't my fault.*

*I have done an investigation
About the contamination
Of our population
Called racism
And it is society's fault*



THAT'S A SIN THAT'S A SIN

(Winner of Creative Writing (Poem) Competition organize by THE BYTE)

*A whole new twist to the same old story
Evil scientist in their laboratories*

*Creating monsters that live in the night
I often reflect on mankind's plight*

*As mankind drifts further from his soul
We seek things to fill the hole*

*The path of lies forever bends
Truth is straight and narrow my friends*

*As I see it getting bent in every way
I simply find myself compelled to pray*

*What will become of our sons and daughters
Will their souls be led to slaughter*

*As scientist seek out another way
To disprove what the bible has to say*

By : *Shivam Aggarwal*
B.Tech , 2nd yr CS2

*Trillions spent in search of a ghost
Another theory of true reproach*

*Rainbow stars now fill the skies
I wonder what is hidden inside their lies*

*We can now place a robot up on Mars
But can't help the drunk at the local bar*

*Trillions more spent on a new space station
But we can't feed the hungry right here in our nation*

*Seems to me before we go further conquering space
We should maybe try to help out of the human race*

*Our quest for knowledge has drove us insane
We are now so smart we don't use our brain*

*Our nation was founded "In God We Trust"
Our government says "Let it be covered in dust"*

*Even this lowly creature up out of the pen
Knows in his heart that that's a sin*



By : Parth Sharma
B.Tech , 2nd Yr, CS-2,

If Only....

1st Runner –up of Creative Writing (Poem)
Competition organize by THE BYTE

If only this little white flower could spread its shawl-

Had its roots held this splitting world one,

Just so that little raylet of sunlight's hope could fall

And this little white bud its shyness shun;

Just so that small child could turn and smile

If only then would we notice a while.

If only was the wind the sole sound,

If only the rains, not abuse, hit my ground-

If only then is speech futile-

For a thousand songs may be sung,

And to pen more words might be done-

But words shall fail that innocent smile.

If only that one little child, young lad

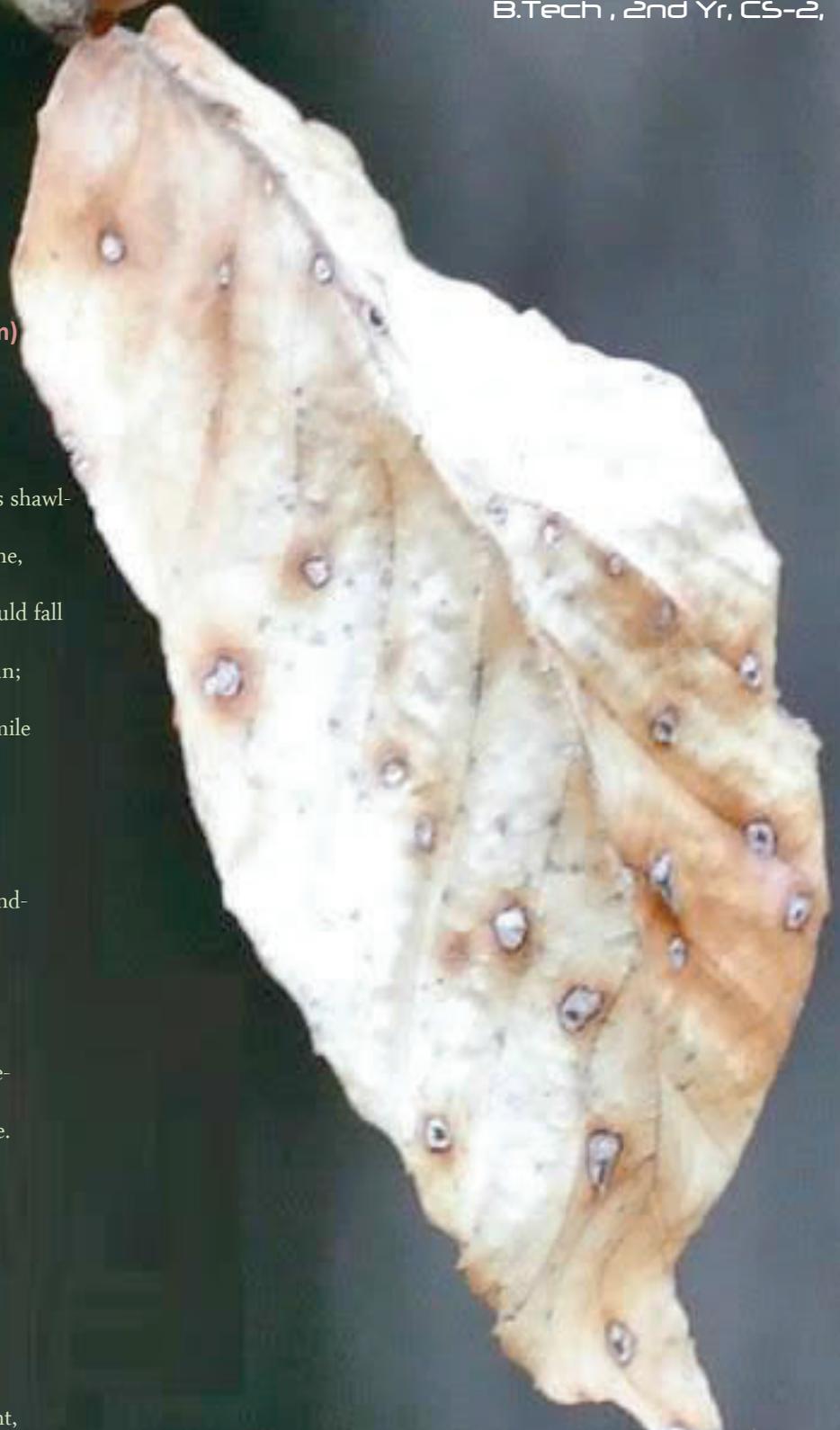
Held up his hand and pointed glad-

If there could this raylet shun denial,

Just so humanity in all its might

Could revile victory with none to delight,

If only there this little bud stood trial.



THE BYTE

ISSUE IX . MAY 2015



Faulty SD card may be accessible from a different PC

Q. I have an SD memory card full of photos that I can't seem to access on my PC. I can see the images when the card is in the camera, but the computer wants to reinitialize the SD card. Obviously I don't want to do that as I don't want to lose the images. What are my options?



A. Since the camera can see the images this would tend to point to an issue with the card reader on the PC.

You would try reading the card with another computer to see if you can access the files.

We had this problem once with my PC . I connected the card to friends Windows computer using an SD reader and I could copy all of the files to her hard drive.

I put the card back in my PC and reinitialized it and the card now seems to work just fine.

Personally, when I have a memory card malfunction like this I take it as a sign that I should replace the card. Once a card malfunctions it is not unlikely that it will do so again and I don't want to trust my data to an unreliable storage device.

If you do find yourself with an inaccessible memory card you can try a data recovery program like PhotoRec.

Although not as slick and as intuitive as some of the commercial data recovery applications, it is free and they offer step by step instructions for using the program on their site.

Actually, you do need to share your passwords

By : Mr. Vikas Singh
Asst. Proff.
Dept. of CSE



No one stays healthy forever. At some point, your loved ones will need access to all of your accounts. You can make that job easier for them.

No reader questions today. Instead, answering a question that someone should ask: In our password-protected digital world, how do you prepare for that inevitable day when you die or otherwise become incapacitated?

This is no small problem. When you're gone, or have otherwise lost the ability to remember or communicate, loved ones will need access to your email, contacts, bank accounts, and more. Without your pre-planned help, this can be quite a challenge.

If you don't believe me, check out Google's page for Accessing a deceased person's mail. You have to gather up and snail-mail several items, including the death certificate (each official copy of which comes with a price). Part 2 of the process "will require you to get additional legal documents, including an order from a U.S. court and/or additional materials."

It would be a lot easier if someone you trust had your Google password--and other important passwords, as well.

One solution is to print out a hard copy of your passwords and store it in a safe deposit box. But you'd have to repeat the process every time you change a password. Not so good.

Here's a better one:

Pick someone who you really trust. Your spouse is an obvious choice. Or a very close friend or relative. It could even be your lawyer or accountant. For brevity's sake, I'll refer to this person as your executor.

You'll need a password manager--a program on your PC that allows you to store your passwords in an encrypted database. You should have a password manager anyway, as I explained in Manage passwords, and not just on the Web; I also recommend a couple of them in that article.

Your executor will need a password manager, as well, although it doesn't have to be the same one.

Give your executor a few key passwords--those for your Windows and mobile logons, your email account, and, of course, your password manager. Make sure they store these passwords safely in their own encrypted password manager.

If your relationship with the executor is personal rather than professional, add their key passwords to your manager, as well.

THE BYTE

ISSUE IX . MAY 2015

Departmental EVENTS

DEPARTMENTAL EVENTS



ABHIVYAKTI- Creative Writing
Competition



CONVERSE- Public Speaking
Competition



Offline Coding Competition by
CODE RAIDERS



Inaugural of CSE-ACM
chapter



Seminar on Software Testing



Seminar on Web Development
and Android Development

SEMINAR

On Web Development and ANDROID

Department of Computer Science organized by Ms. Shivani and Engineering organized by Agarwal (Faculty member of CS seminars on "Web Development" Department), Shubham Dixit (CS2 and "Android Development" for 3rd year), Nikhilendra Kishore (2nd year and 3rd year students), Pandey (CS2, 3rd year) and Anuj wherein experts from DUCAT, Srivastava (CS1, 3rd year) Ghaziabad Mr. Sanjiv

Rai and Mr. Aditya delivered their expert talks. The objective of the program was to make technical students aware of Web Development and Android Development. Around 80 students from B. Tech 2nd and 3rd year actively participated in the program. The entire event was



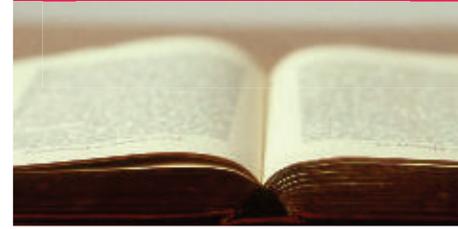
CONVERSE

PUBLIC SPEAKING COMPETITION

Department of Computer Science and Engineering organized CONVERSE :Public Speaking Competition for 2nd year and 3rd year students wherein the students delivered their views on various topics related to Social Issues

ABHIVYAKTI

Creative Writing Competition



Department of Computer Science and Engineering organized **ABHIVYAKTI** :Creative writing competition for 1st,2nd year and 3rd year students wherein the students expressed their views on various topics related to Social Issues, Latest technologies etc through various forms of writing. The objective of the program was to enhance the creativity and skills of the students. Around **140 students** from **B. Tech 1st,2nd and 3rd year** actively participated in the competition. The entire event was organized by **THE BYTE-An e magazine of CSE Dept.**

Mr. Amit Kumar Gautam(Faculty member of CS Department), Ms. Lipika Goel(Faculty member of CS Department)

Shubham Dixit(CS2 ,3rd year),Nikhilendra Kishore pandey(CS2 ,3rd year) and Anuj Srivastava(CS1 ,3rd year) co-ordinated the entire event.

Latest technologies etc .The participated in the year),Nikhilendra Kishore objective of the program program. The entire event pandey(CS2 ,3rd year) and was to enhance the was organized by Ms. Anuj Srivastava(CS1 ,3rd creativity and skills of the Shivani Agarwal(Faculty year). students. Around 40 member of CS students from B. Tech 2nd Department),Shubham and 3rd year actively Dixit(CS2 ,3rd



Offline Coding Competition

CodeRaiders Programming Club of Department of Computer Science and Engineering organized an offline programming competition which was co-ordinates by **Akshay Bhasin, Aman Verma, Anukrati Mishra, Kanchan Yadav, Ankur, Abhishek Singh, Akshay Singh Raghuvanshi and Sakshi of 3rd year.** The competition was held on **11th April 2015** at 10:30 AM in the college premises. The event CodeRaiders v2.0 was a 2 hours competition where **110 students** of 2nd and 3rd year participated. The contest comprised of 5 questions from different categories of programming such as basic math, sorting, string handling etc. The event was basically to make the students familiar of the coding competitions going on in the current scenario. The event was held on a portal made by the club where participants submitted their solutions online and it was checked automatically. All participants received participating certificates and the top three teams received merit certificates for their excellent performance. **Faculty coordinators** : Ms. Arti Patle , Ms.Shaili Gupta.



INAUGURAL OF CSE-IMSEC ACM STUDENT CHAPTER

SEMINAR

Software
Testing

We inaugurated CSE-IMSEC ACM Student Chapter on 17th April 2015 successfully. We had expert talk by Mr. Rajit Sikka and Mr. Gaurav Saxena on "Expectations of IT Industries from Fresher". The target audience of the event was B. Tech 2nd Year and 3rd Year Students. We also conducted top five technical presentations by 4th Year students where we judge their coding skill and applicability of their B. Tech projects.



Department of Computer Science and Engineering organized a seminar on "Software Testing" for BTech CSE 2nd and 3rd year students on 11 April 2015 (Saturday). The event was conducted by Indian Testing Board (ITB), Noida, wherein Mr. Vipul Koacher, Director and Co Founder of ITB and Mr. Mohneesh Bakshi, Senior Manager (ITB), delivered their expert talk. A total of 100 students of CSE were actively participated to improvise their skills in Auditorium A block.



Faculty Coordinator: Ms. Lipika Goel & Ms. Swati Singh



THE BYTE

ISSUE IX . MAY 2015

Placement NEWIZ

PLACEMENT NEWS CONT...

BHARAT ELECTRONICS LTD. (BEL) JOBS FOR GRADUATE ENGINEERS

Graduate Engineers recruitment in Bharat Electronics Ltd.

Bharat Electronics Limited, India's premier professional Electronics Company requires Probationary Engineers for BEL Units & Offices located in different parts of the country

Post Name / Vacancies
Probationary Engineers/ Total Vacancies
:394 Posts

Discipline:
Electronics -200,
Mechanical-120,
Computer Science-57,
Civil-10,

Electrical-7.

Eligibility : BE/B.Tech (Civil, CSE, EEE, ECE, Mechanical Engineering, Electrical)

Location : Anywhere in India

Job Category : Core Technical, Govt Jobs, Others

Last Date : 14 May 2015

Job Type : Full Time

Hiring Process:

Written-test, Face to Face Interview.

Qualification : Engineering Degree holders in Electronics, Electronics & Communication, Electronics &



Telecommunication, Communication, Telecommunication-Civil Engg., Electrical, Electrical & Electronics Engg., Mechanical, Computer Science, Computer Engg. and Computer Science & Engineering discipline

Only AICTE approved Colleges may only apply. Candidates with AMIE/AMIETE in the above specializations are also eligible, Gen/OBC candidates with first class and SC/ST/PWD candidates with pass in the above degree/discipline are eligible to

apply.

All 394 posts are for BEL Units & Offices located in different parts of the country.

For more details:

<http://www.bel-india.com/>

LOOK UP INSIDE

STAFF SERVICE COMMISSION

ELITMUS

STAFF SELECTION COMMISSION : SSC CGL 2015

Staff Selection Commission will hold the Combined Graduate Level Examination, 2015 (Tier-I) on SUNDAY the 9th August, 2015 & 16th August, 2015 and if necessary, on subsequent Saturdays/Sundays, in different batches, for selecting candidates for Tier-II examination for filling up

different categories of posts in various Ministries/ Departments/ Organisations. Subject to administrative / public exigencies, final selection through the Combined Graduate Level Examination to specific categories of

posts would be subject to receipt of intimation of confirmed number of vacancies from the concerned Indenting Ministries/ Department/Office/ Cadres before declaration of results.



Essential Qualifications as on 1st August, 2015:

i) Compiler : Bachelor's Degree from any recognized University with Economics or Statistics or Mathematics as compulsory or Elective subject.

ii) Statistical Investigator Grade – II Bachelor's Degree in any subject from a recognized University or Institute with at least 60% in Mathematics at 12th standard level:

OR

Bachelor's Degree in any subject with Statistics as one of the subjects at degree level.

iii) All other Posts: Bachelor's Degree from a recognized University or equivalent.

6(A): For posts of Assistants (CSS), Computer Proficiency Test has also been prescribed as an Essential Qualification.

Application Fee:

Application Fee & Mode of Payment: Rs. 100 (One hundred only)

All Women candidates and candidates belonging to Scheduled

Caste, Scheduled

Tribe, Physically

Handicapped, and Ex-Servicemen eligible for reservation are ex

empted from paying application fee, as per extant government orders.

Scheme of the Examination for Combined Graduate Level Examination:

The Examination will be conducted in three tiers as indicated below:

Tier -I -- Written Examination (Objective Multiple Choice Type)

Tier -II -- Written Examination (Objective Multiple Choice Type)

Tier -III -- Personality Test cum Interview/ Computer Proficiency Test/ Skill Test (wherever applicable)/ Document Verification

For more details:

<http://www.sscportal.in>

ELITMUS - JUMP START YOUR CAREER

We are India's largest assessment and recruitment company for entry level engineers.

Enables companies to hire talent which performs on the job

65% of candidates who found jobs through us had an existing offer

All companies serviced since Dec 2009 have reported high satisfaction level

Customers include - start-ups to Fortune 100 R&D to services companies

Our superior service offering is enabled by

combination of deep business insights, superior assessment (pH Test) and unparalleled reach amongst quality candidates.



Dipesh Kishan Shah
Ness Technologies

“ I am very happy to get placed in Ness. This was possible only because of eLitmus. I got placed in a Mass Recruiting Service-base more ”

pH Test : Leading the way

A dedicated, cross-functional team of experts is continuously working towards improving the pH Test. The R&D spend on pH Test development is in excess of 30% of eLitmus revenue.

1. Path breaking approach to increase test validity and reliability
2. Thought leadership
3. Minimized knowledge component
4. Pen and paper test (originally Online)
5. Ability to serve a diverse set of customers
6. Handicap based negative marking and score interpretation
7. Ability to create gradient in the top quartile of test-takers by using handicap-based negative marking and a highly-researched test form design.

Marks *	Percentile	Approx Rank
220	100	1
173	99.97	84
156	99.75	688
105	96.03	11,000
89	92.1	22,000
84	90.1	27,500
68	80	55,000

Next 27.5K ranks fall within a 16 marks range

First 27.5K ranks fall within a range of 136 marks

* The test had 90 questions, each carrying 4 marks

For more details:
<https://www.elitmus.com>

Suyash Gupta
BlackRock

“ Elitmus is a great platform for freshers, it helped me a lot in my placements and gave me a chance to be a part of blackRock. I ”

Partner with India's largest solution provider for assessments and recruitment of fresh engineers

World's largest IT consulting company

World's largest networking company

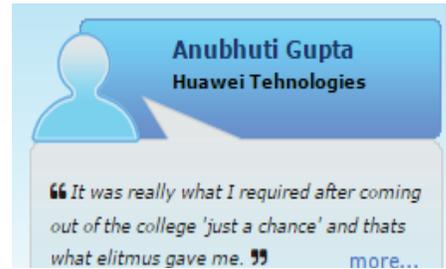
World's largest bus manufacturer

World's largest consumer electronics company

India's largest integrated construction company

..and over 200 small, medium and large organisations





HIRING POTENTIAL TEST (PH TEST)- AN INFORMATION FOR TEST TAKERS

pH Test is an aptitude test. It is a pen & paper test and no longer administered online.

The test is designed to be completed in two hours, and often has three sections - quantitative, verbal and analytical - but there could be changes in this structure from time to time, as our testing experts continually fine-tune and evolve the test, in their constant effort to draw the best measure of your true ability. Each section currently has twenty questions making it a total of sixty ques-

tions. The maximum marks is 600.

The questions in each section are objective in nature with multiple choices, and are categorized into several levels of difficulty. Your final score will reflect not only the number of questions that you have answered correctly, but also their difficulty level, and on how your peers have fared on the same questions.

The test measures a

broad range of skills that you have gained throughout your education. It does not test your proficiency in any specific areas or subjects. It presumes only a familiarity with high school level mathematics, and some proficiency in essential English language skills. All formula are provided in question paper.

The test uses a unique handicap based negative marking approach. You are encouraged to read sections pertaining to pH Test, Why evaluations fail and pH Test Demystified. Absolute scores as well as percentile scores are provided to each candidate.

Test presumes only a familiarity with high school level mathematics, and some proficiency in essential English language skills.

OUR CLIENTS...

THE BYTE

ISSUE IX, MAY 2015

Current Affairs



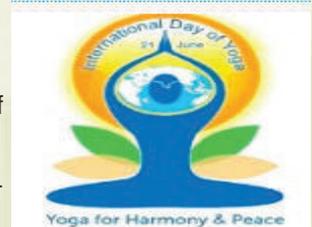
Bulletin Today: Current Affairs April

International Day of Yoga logo launched in New Delhi

The logo for International Day of Yoga was launched in New Delhi on 29 April 2015.

It was launched by Union External Affairs Minister Sushma Swaraj and Union Minister of State (MoS) for AYUSH Shripad Yesso Naik.

The logo was selected by the Committee of Yoga experts, which was constituted by Union Ministry of AYUSH and has been approved by Prime Minister Narendra Modi.



Raja Rajeswari, first Indian-American woman judge of New York

Ms. Raja Rajeswari became the first Indian-born woman to be appointed a judge in New York City. She was sworn-in as a criminal court judge in New York by Mayor Bill de Blasio along with 27 other judges.

ISRO successfully tests indigenous cryogenic engine with four-tonne capacity

Indian Space Research Organisation (ISRO) on 28 April 2015 successfully tested an indigenous cryogenic engine.

The powerful version of the cryogenic engine was tested successfully at ISRO's propulsion complex at Mahendragiri in Tirunelveli district of Tamil Nadu. A team headed by Director D Karthikesan had led the testing.



Parliament passes Payments and Settlement Bill, 2014

Parliament has passed Payments and Settlement Bill, 2014. It was first passed in Lok Sabha on December 9, 2014 and later in Rajya Sabha on April 27, 2015.

The bill seeks to amend the Payment and Settlement Systems Act, 2007. The bill aims at

Addressing the problem of insolvency in the payment and settlement system by increasing transparency and stability in it. Bringing India's banking payment system in

Gopinath Pillai, The Indian-Origin Diplomat Awarded in Singapore

The Indian-origin diplomat, Mr Gopinath Pillai, was honoured with Outstanding Service Award by National University Of Singapore on 24th April 2015. The 78-year-old Gopinath Pillai, who is currently Ambassador-at-large of Singapore and special envoy to Andhra Pradesh got the award for his contributions to the Singapore city-state in an event organised by NUS. Mr Pillai, during the function, recollected his past when he faced great challenge in shaping Singapore, when the island was in its last stages of colonial rule.



Historic Heritage Tower Collapses in Nepal

Its the sad end to Nepal's famous heritage site, **Dharahara Tower**, as it collapsed after an earthquake on Saturday, 25th April 2015. The **9 storied tower** was one of Kathmandu's famous tourists attractions. It was built in **1832 in 19th century**. The tower, white in colour and topped with bronze minaret with spiral type staircases was reduced to debris after an earthquake of **magnitude 7.9** struck Nepal.



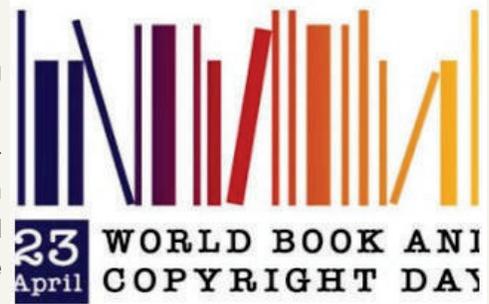
Dinanath Mangeshkar Award 2015 for Actor Anil Kapoor

Its the sad end to Nepal's famous heritage site, **Dharahara Tower**, as it collapsed after an earthquake on Saturday, 25th April 2015. The **9 storied tower** was one of Kathmandu's famous tourists attractions. It was built in **1832 in 19th century**. The tower, white in colour and topped with bronze minaret with spiral type staircases was reduced to debris after an earthquake

World Book and Copyright Day April 23 2015

Not many people are aware of the fact that every year April 23rd, is being celebrated as World Book And Copyright Day.

This special day is mainly considered as tribute to all books and the authors for immense contributions towards the development and promotion of literature. UNESCO or United Nations Educational And Scientific And Cultural Organisation, made this day known as World Book Day since 1995.



NASA develops first 3-D printed copper rocket engine part

The engineers at NASA have developed 3-D printed copper rocket engine part that can function at high temperatures and pressures. The part they had produced was combustion chamber liner using additive manufacturing technique, which is capable of performing at high temperatures and pressures.

India ranked 2nd in world on Social-media Cyber attack for 2014

The Internet-Threat Security-report for the year 2014 has listed India 2nd in the list of most preferred targets for Social-Media based Cyber-attack in the world. U.S.A ranks first in the listing. The news has come when social-media is witnessing a rapid growth in India. The scams related to this region rose by 6% in India in 2004. This is higher than Canada and United-Kingdom.



Raja Rajeshwari becomes New York's first Indian American judge

Raja Rajeshwari became the first Indian American criminal court judge in **New York City**. She is from **Chennai** and went to America when she was 16 years old and Now she is 43 years old. She is an assistant district attorney at the Richmond County District Attorney's office for 16 years.



Nation celebrates 162nd year of dedicated services from Indian Railways

The **Indian Railways** completes **162 years** in service of the nation today. It also marks the anniversary of the first train-service between Mumbai and Thane-city, which was launched in the British-period in 1853.

India ranks 125th in the world for Fixed Broad-band Penetration

India ranks 125th in the world for fixed broadband penetration with only 1.2 per 100 inhabitants and the global average is 9.4 per 100 inhabitants. This rating puts India behind Sri Lanka and Bhutan. **TRAI (Telecom-Regulatory-Authority-of-India)** has issued a statement that all required measures will have to be taken to address the critical situation immediately.



India Today Group chairman Aron Purie named Editor of the Year

The Indian-Chapter of International-Advertising-Association has interesting news; India Today Group chairman Aron Pooorie named Editor of the Year. The award was bestowed upon him by Mr. Jayant Sinha, Union State-Minister for FINANCE on Saturday, in Mumbai. The award is given annually for excellent contributions in advertising, MARKETING, and media related activities.

Nasim Zaidi takes over as new chief election commissioner

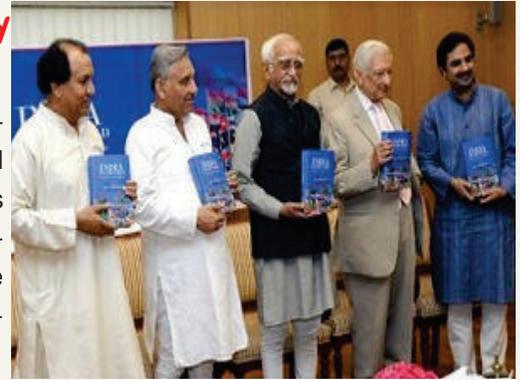
Dr Nasim Zaidi on 19 April 2015 assumed the charge as Chief Election Commissioner (CEC). He is India's 20th CEC and succeeded Hari Shankar Brahma, who had retired on April 18, 2015.

At present, Dr Zaidi will be the sole member of the three-member Election Commission till the government fills up the two vacant posts of election commissioners. Dr Zaidi will have tenure of two years i.e. till he attains the age of 65 in July 2017.



“Vice President Releases a Book “India and the World”

The Vice President of India Shri M. Hamid Ansari released a book entitled “India and the World – Through the eyes of Indian Diplomats” edited by Amb. Surendra Kumar. the Vice President said that the book has been very rightly described as a Bouquet of 33 Flowers as it is a fair description of experiences of 33 distinguished diplomats in a book. These essays are perhaps in 3 categories – Narrative; Analytical; and Argued.



A planet named after Chess Grand Master Viswanathan Anand

A planet, named after Chess Grand Master Viswanathan Anand. The former World Chess Champion joined this unique club when a minor planet (4538), located roughly between the orbits of Mars and Jupiter, was named after him.

Narendra Modi’s France visit Yields 20 Key Agreements

Indian Prime Minister (PM), Narendra Modi’s visit to France yielded 20 key agreements thereby strengthening the bilateral ties between Indian and France since 1998. France is the first country along with Germany and Canada of the three G7 countries which Modi has visited on April 2015 tour.



MUDRA – Banking The Unbanked

Prime minister shri. Narandara Modi launched the MUDRA bank today in new delhi . Micro units development & refinance agency ltd(MUDRA) will refinance the micro FINANCE INSTITUTIONS through pradan mantra mudra yojana. Mudra will also act as a regulator for MICRO FINANCE institutions. The bank is launched with a corpus of Rs20,000 crore and a credit guarantee corpus of Rs 3000 crore. This move will increase the number of entrepreneurs and small businesses.

Union Cabinet approves lowering of age of Juveniles from 18 to 16 years for heinous crimes

In a major decision taken on wednesday 22nd april 2015, the Union Cabinet approved lowering of age of juveniles involved in disgraceful and shocking crimes. Juvenile Justice Board will now have the power of authority in deciding on a juvenile above 16 years of age whether he would be sent to observation board or to the court. As per the bill, in no case the juvenile who had committed unpardonable crimes such as rape etc would be sentenced to death or imprisoned for life.



JAVA

JAVA with **ANDROID**
JAVA on **CLOUD**



.NET with **CLOUD**

PHP

PHP on **CLOUD**

Embedded SYSTEM
EMBDROID
(Integrating-Embedded & Android)

VLSI
TECHNOLOGY

ROBOTICS

SQT

WITH QTP, QC, LR
DATABASE TESTING

MATLAB

ORACLE

10g Developer / 10g DBA
Oracle Apps R12

ANDROID
IPHONE



CCNA, CCNP
MCSE, MCITP

AUTOCAD
PRO-E / CATIA

BIGDATA
HADOOP

DATA
WAREHOUSING

ERP

ABAP | FI | CO
CRM | BASIS | SD
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MAINFRAME

CLOUD
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*FROM THE EDITORS
DESK.....*



LIPIKA GOEL
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Dear Readers,

It gives us great pride to present to you all the ninth edition of our departmental magazine, THE BYTE. It is good to see that students have utilized this opportunity and showcased their talent.

THE BYTE is not only a literary outlet but is means to capture and commemorate the technical ,placement , current news & excitement that we have had at IMSEC and specifically in our department during the course of this month. The magazine is all about students from all over the CSE department coming together as a team.

Our deepest gratitude goes to every individual who guided us throughout this wonderful journey. We would also like to thank our entire team who work diligently every step of the way to ensure that THE BYTE becomes a reality. We hope, that you, or reader have delightful experience perusing through every page and would greatly appreciate your feedback.

.....From the Editors