

JANUARY



The Byte

A collage of various computer science and technology terms surrounding the central word 'Byte':
Implementation, Unambiguous, Decibels, Lowercase, Data Char, Giga, Prefix, Int, Blog, Architecture, Storage, Contiguous, Kilo, Bel, Interpretations, Representation, Approximation, Storage, Language, Algorithms, Transmission, Standardization, Unsigned, Development, Encode Sequence, Alphabets, Hexadecimal, Alphanumeric, Operating System, Computing, Bit, Ambiguity, Design, Analysis, Address, Logarithmic, Uppercase, Digital, Calculations, Bit, Design, Address.

An e-Magazine of CSE Department
of IMSEC Ghaziabad

DEPARTMENTAL EVENTS

CURRENT AFFAIRS

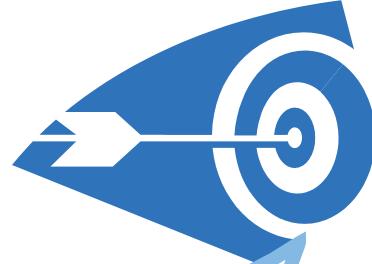
PLACEMENTS

LATEST TECHNOLOGIES

LITERARY

Q & A

HAPPY NEW YEAR



A LOOKUP INSIDE

1. Articles

- 1. How To Turn Your New Year Resolution Into A Success Story**
- 2. I am Women of Worth**
- 3. Google AdWords**
- 4. Technology : Changing the new face of Education**

2. Latest technology

- 1. Google's New CAPTCHA**
- 2. Drone that save your Life**

3. Q & A

- 1. Most useful Websites**

4. Literary

- 1. I don't fail**
- 2. We will do it**

5. Career Opportunities

- 1. Various Govt ,Private Jobs**
- 2. TOFEL**



How To Turn Your New Year Resolution Into A Success Story

BY : AMIT KR. GAUTAM

ASST. PROFF.

DEPT. OF CSE

Last year, when the question of new year resolutions loomed large, I asked myself, "What's the point? Whose resolutions last beyond January anyway?" But I resisted the idea of doing away with them altogether. Instead, I tried to figure out why most such resolutions fail and what I could do to make mine work. Here's how I increased my success rate with new year resolutions, and you can too.

Have One Primary Resolution

The promise of a fresh start is misleading. It can cause you to take on too many changes with eagerness, to patch a bad habit here, fix an unhealthy lifestyle there. But you know it and I know it. You're not going to eat healthy, work out, slow down, read more, quit smoking, and spend less come January 1st. What you could do is turn your attention to just **one** of those things and give it your all. The advantage of having just one resolution has scientific backing too.

Focus on either one and you're depleting resources available to the other. The more you scatter your energies trying to keep up with multiple resolutions, the less you're able to exercise the full force of your will.

Frame Your Resolutions Right

Wording your resolutions well is half the battle won. For example, you're more likely to follow through on a resolution that says *Eat five almonds a day / Replace coffee with green tea* than one that says *Eat healthy*.

I wanted to:

- o See the Internet as just another medium of communication
- o Be okay with digital disconnect for long periods of time
- o Use online resources with care and for something positive

Next, I listed down certain actions steps and turned them into the following mini-resolutions.

1. I will stay completely offline for at least two Sundays every month.
2. I will make fewer, and more mindful, online financial transactions.
3. I will scale down my use of gadgets, apps, and services.
4. I will switch from eBooks to printed ones.

Take Some Action Daily

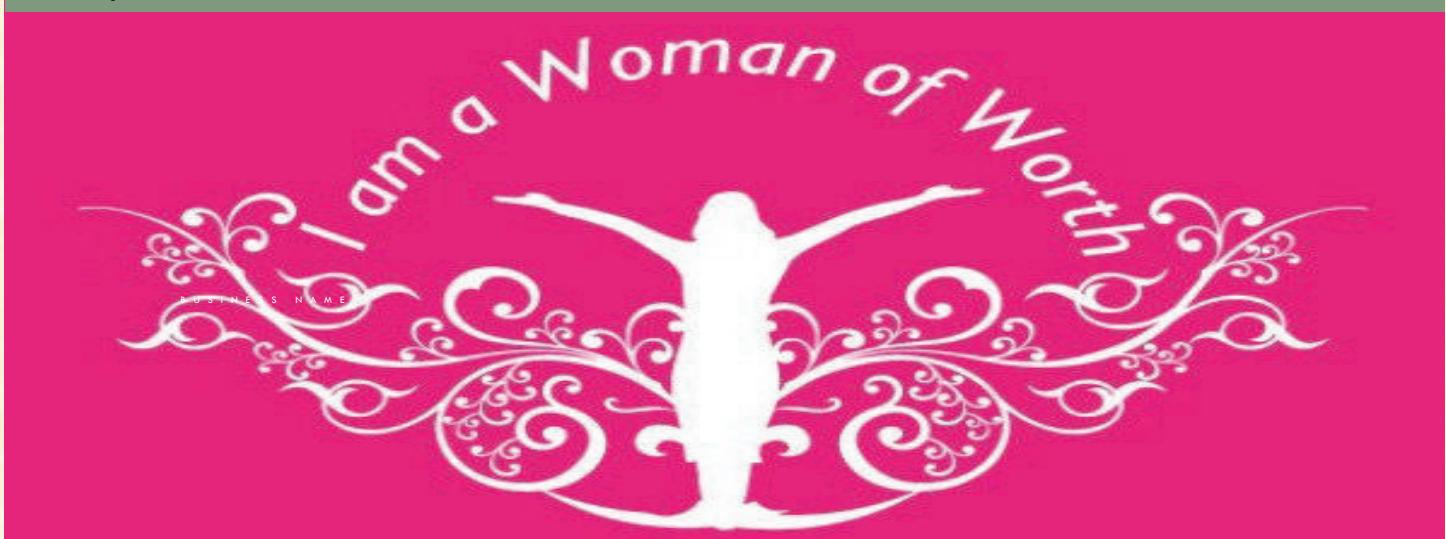
When you have framed your resolution well and come up with a realistic action plan, you're less likely to mess up and make the wrong choice. But it's important that you take baby steps everyday toward your goal. This will set the stage for small successes that will then boost your motivation to stick with the program.

Tweak Your Strategy Every Quarter

What's important to remember is that it won't be smooth sailing all the time. You will get caught up in trivialities. You will slip up. You will feel guilty about it. That's okay. As long as you stay on track about 80 percent of the time, you'll do just fine.

Good Enough Is Great

I still get obsessed with Web apps once in a while and also fall back into bad computer-related habits. But I have cleaned up my digital life, put a stop to brash online purchases, and switched from eBooks to printed ones. The lack of an Internet connection is a non-issue, as long as I can get my work done. As part of my life offline, I learned to solve the Rubik's cube, took up swimming lessons, ticked several books off my reading list, and traveled some (minus an Internet connection). All in all, it's the first time I can say that I have fulfilled my new year resolution.



It has been more than four decades since the Equal Pay Act was introduced in 1970, but the enduring difference between male and female wages effectively means that, relative to men, women stop earning today and work the rest of the year for free. Women in full-time employment earn 15.7pc less than men - which adds up to a pay difference of £5,200 a year between the genders .Men working full-time are twice as likely as their female counterparts to earn £50,000 a year, according to TUC analysis released today that shows just one in 15 women make this annual salary, compared to one in seven men.And prospects aren't looking up. The gender pay gap, which measures the disparity between men's and women's wages, widened in 2013 for the first time in five years. In 2012, the difference stood at 14.8pc.The chasm is even wider when workers in part-time employment are included. Overall, British women earn almost a fifth less than British men. Related Articles For every £1 earned by a man in the UK working part- or full-time, a woman earns 81p. That means that it takes the average woman almost 20 years longer than the average man to earn £1m, not racking up that much income until the age of 70, compared to 51 for a man. This day - when women working full-time effectively stop getting paid compared to men earning all year round - has been dubbed Equal Pay Day, and falls three days earlier than it did last year. The Equal Pay Day for women working part time would have been almost 10 weeks ago, on 28 August. Ironically, this cut-off point also falls the day before the official opening night for Made in Dagenham, the West End's new musical, which tells the story of the Ford factory female workers' strike of 1968 that led to the introduction of the Equal Pay Act in 1970 he subject of empowerment of women has becoming a burning issue all over the world including India since last few decades. Many agencies of United Nations in their reports have emphasized that gender issue is to be given utmost priority. It is held that women now cannot be asked to wait for any more for equality.

Inequalities between men and women and discrimination against women have also been age-old issues all over the world. Thus, women's quest for equality with man is a universal phenomenon. What exists for men is demanded by women?

They have demanded equality with men in matters of education, employment, inheritance, marriage, politics and recently in the field of religion also to serve as cleric (in Hinduism and Islam). Women want to have for themselves the same strategies of change which

menfolk have had over the centuries such as equal pay for equal work. Their quest for equality has given birth to the formation of many women's associations and launching of movements.

The position and status of women all over the world has risen incredibly in the 20th century. We find that it has been very low in 18th and 19th centuries in India and elsewhere when they were treated like 'objects' that can be bought and sold. For a long time women in India remained within the four walls of their household. Their dependence on menfolk was total.

A long struggle going back over a century has brought women the property rights, voting rights, an equality in civil rights before the law in matters of marriage and employment (in India women had not to struggle for voting rights as we find in other countries).

In addition to the above rights, in India, the customs of purdha (veil system), female infanticide, child marriage, sati system (self-immolation by the women with their husbands), dowry system and the state of permanent widowhood were either totally removed or checked to an appreciable extent after independence through legislative measures.

Two Acts have also been enacted to emancipate women in India. These are: Protection of Women from Domestic Violence Act, 2005 and the Compulsory Registration of Marriage Act, 2006. The Domestic Violence Act recognizes that abuse be physical as well as mental.

Anything that makes a woman feel inferior and takes away her self-respect is abuse. Compulsory Registration of Marriage Act can be beneficial in preventing the abuse of institution of marriage and hindering social justice especially in relation to women.

It would help the innumerable women in the country who get abandoned by their husbands and have no means of proving their marital status. It would also help check child marriages, bigamy and polygamy, enable women to seek maintenance and custody of their children and widows can claim inheritance rights. The Act is applicable on all women irrespective of caste, creed or religion. It would truly empower Indian women to exercise their rights.

To what extent legislative measures have been able to raise the status of women in India? Are women now feel empowered in the sense that they are being equally treated by men in all spheres of life and are able to express one's true feminine urges and energies?

These are the important questions to be investigated with regard to women's empowerment in India.

We all know that girls are now doing better at school than boys. The annual results of Secondary and Higher Secondary Board examinations reveal this fact. More women are getting degrees than men, and are filling most new jobs in every field.

There was a time when women's education was not a priority even among the elite. Since the last quarter of the 20th century and more so after the opening up of die economy, post-1991, a growing number of women have been entering into the economic field,

seeking paid work (remunerative jobs) outside the family.

Women are playing bigger and bigger role in economic field: as workers, consumers, entrepreneurs, managers and investors. According to a report of The Economist, 'Women and the World Economy', in 1950, only one-third of American women of working age had a paid job.

Today, two-thirds do, and women make up almost half of America's workforce. In fact, almost everywhere, including India, more women are employed, though their share is still very low. Manufacturing work, traditionally a male preserve, has declined, while jobs in services have expanded, reducing the demand for manual labour and putting the sexes on equal footing.

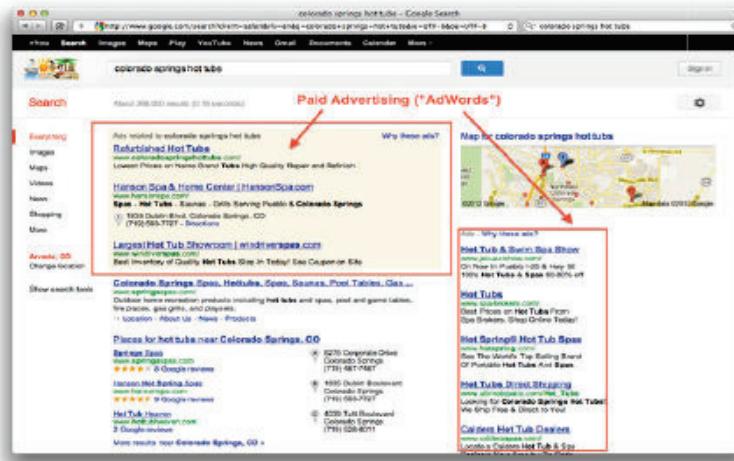
We can now see women in almost every field: architecture, lawyers, financial services, engineering, medical and IT jobs. They have also entered service occupations such as a nurse, a beautician, a sales worker, a waitress, etc.

They are increasingly and gradually seen marching into domains which were previously reserved for males (police, driver's army, pilots, chartered accountants, commandos). In spite of their increasing number in every field, women still remain perhaps the world's most underutilized resources. Many are still excluded from paid work and many do not make best use of their skills.

Google AdWords

By : Ms. Deepali Agarwal
Dept. Of CSE

Google AdWords is an online advertising service that places advertising copy at the top, bottom, or beside, the list of search results Google displays for a particular search query. The choice and placement of the ads is based in part on a proprietary determination of the relevance of the search query to the advertising copy.



How keywords trigger your ad to appear:

Keywords are words or phrases you choose that can trigger your ad to show on search and other sites. For example, if you deliver fresh flowers, you could use "fresh flower delivery" as one keyword in your AdWords campaign. When someone searches Google using the phrase "fresh flower delivery" or a similar term, your ad might appear next to Google search results. Your ad can also appear on other websites in the Google Network that are related to fresh flower delivery.

Ad Rank: How Google determines which ads appear in which positions

Now let's suppose that multiple advertisers use the same keyword to trigger their ads or want their ads to appear on the same websites. Google uses Ad Rank to determine whose ads will appear, and in what order. Your Ad Rank is based on a combination of:

- Your **bid**, which is how much you're willing to spend
- The quality of your ads and website
- Expected impact from your **ad extensions** and other ad formats

At the end of the day, what you pay

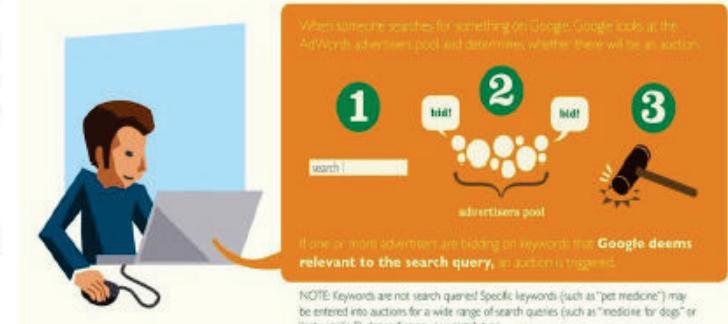
Each time an AdWords ad is eligible to appear for a search, it goes through the **ad auction**. What you're charged (your actual CPC) is often less than your max. CPC bid because, with the AdWords auction, the most you'll pay is what's minimally required to hold your ad position and any ad formats shown with your ad, such as site links.

The webmaster inserts the AdSense JavaScript code into a webpage and then each time this page is visited and the JavaScript code uses inlined JSON to display content fetched from Google's servers. For contextual advertisements, Google's servers use a cache of the page to determine a set of high-value keywords. If keywords have been cached already, advertisements are served for those keywords based on the AdWords bidding system.

For site-targeted advertisements, the advertiser chooses the pages on which to display advertisements, and pays based on price advertisers choose to pay for every thousand advertisements displayed. For referrals, Google adds money to the advertiser's account when visitors either download the referred software or subscribe to the referred service. Search advertisements are added to the list of results after the visitor performs a search.

Because the JavaScript is sent to the Web browser when the page is requested, it is possible for other website owners to copy the JavaScript code into their own webpages. To protect against this type of fraud, AdSense customers can specify the pages on which advertisements should be shown. AdSense then ignores clicks from pages other than those specified.

IT ALL STARTS WITH A QUERY



NOTE: Keywords are not search queries! Specific keywords (such as "pet medicine") may be entered into auctions for a wide range of search queries (such as "medicine for dogs" or "pet supplies"), depending on your match type.

TECHNOLOGY..CHANGING THE NEW FACE OF EDUCATION !!

by :Anjali Pathak , CS

2nd yr

In a New Delhi slum, a strange object suddenly appears...

Carved into a wall, encased in concrete and protected by plexiglass, it's something that the curious and excited gaggle of children surrounding it has never seen before.

Yet to you and me, it's one of the most common, everyday items.

A computer.

The children, who know no English and haven't received any formal school education, quickly begin playing with the machine and, within days, they're learning English, browsing the internet and teaching each other what they discover.

This experiment, dubbed "The Hole in the Wall," occurred back in 1999 and was the brainchild of Professor Sugata Mitra, Chief Scientist at NIIT.

It was repeated in villages and slums across India – and each time, it yielded results that were “too good to be true.”

The program's success spawned

Hi-Wel's success spawned a major venture called HiWEL in the twin Education Limited (HiWEL) in 2001, which has since impacted hundreds of thousands of children across India and Africa.



- And as technology has advanced substantially since the original Hole in the Wall experiment 14 years ago, we're seeing collaborative learning spread across the education world. Here are some of the companies leading the way...From "Batch Processing" to Collaboration

The education sector is in the middle of a paradigm shift – from a one-size-fits-all “factory approach” to more tailored learning. The question is: Why now?

~ Population Dynamics: Although the world's population continues to rise, the fertility rate, especially in developed countries, is decreasing. Parents with fewer children and more resources now want the education system to conform to the child, not the other way around.

Technology: More advanced technology is fundamentally changing our relationship to information. Children are now surrounded by answers, with Google (GOOG), Yahoo (YHOO) and others all retrieval systems for that information. The educational value, however, lies in guiding children to ask the right questions and giving them the critical thinking skills to discern the right answers from all the noise.

After all, in a fiercely competitive job market, companies want employees who boast critical thinking and problem-solving skills, can collaborate across networks, and bring creativity and imagination to the workplace. The earlier children begin building these skills, the better.



TOOLS FOR KIDS

SMART Technologies Inc. (SMT), long known as the leader in the digital whiteboard market, recently unveiled the SMART Table. It's designed with collaboration in mind – a portable, 360-degree, multi-touch surface with a high-definition 1080p LCD display. The table recognizes up to 40 simultaneous touches at a time and comes with over 1,500 activity packs, which encourage group problem solving.

It's also wheelchair-accessible and kid-proof – sturdy enough for a child to climb on without it toppling over.

TOOLS FOR TEACHERS

Skype, now owned by Microsoft (MSFT), has created a platform for teachers called Skype in the Classroom.

Simply put, it allows teachers to create projects that they can then share with other classes across the globe. To date, nearly 51,500 teachers have signed onto Skype, taking advantage of 2,619 "Skype Lessons" and 817 distinct resources. My own alma mater just made news on two continents when its eighth grade Film Studies teacher arranged for a Skype interview with the Italian filmmaker that the class was studying. For close to an hour, the students were able to ask the filmmaker a range of artistic and technical questions...

LOVE **HAPPY** PEACE
FAMILY **NEW** Z
FUTURE **YEAR** FUN
CHRISTMAS
FRIENDSHIP **WISHES**
CHANGE CHAMPAGNE FORTUNE
HEALTH **Latest**
JOB **Technology**
FITNESS **SUCCESS**
CHANGE FAIRNESS
LIFE PART, PROSPERITY HOLIDAY
BEST CHANCE X FREEDOM SATISFACTION
LIFE WEALTH 2016 FESTIVE
BEST ADVANCE HOPE HAPPINESS PROMOTION
GOOD LUCK 2014 PROFIT
WEALTH MONEY



Meet Google's ambitious new CAPTCHA that makes it easier to prove you're human

To be

or not to be

BY : NISHANT SINHA
ASSISTANT PROFESSOR
DEPT. OF CSE

Google announcing an improved version of CAPTCHA that it's calling the 'NoCAPTCHA reCAPTCHA.' While it sounds like a mouthful, the new service has some

We've known CAPTCHAs for years for their awful distorted text that's hard to read and get right a lot of the time. Google set out to fix that a year and a half ago, when it discovered that it could teach computers how to beat the traditional CAPTCHA with 99.8 percent accuracy and realized



I'm not a robot



reCAPTCHA

Privacy - Terms

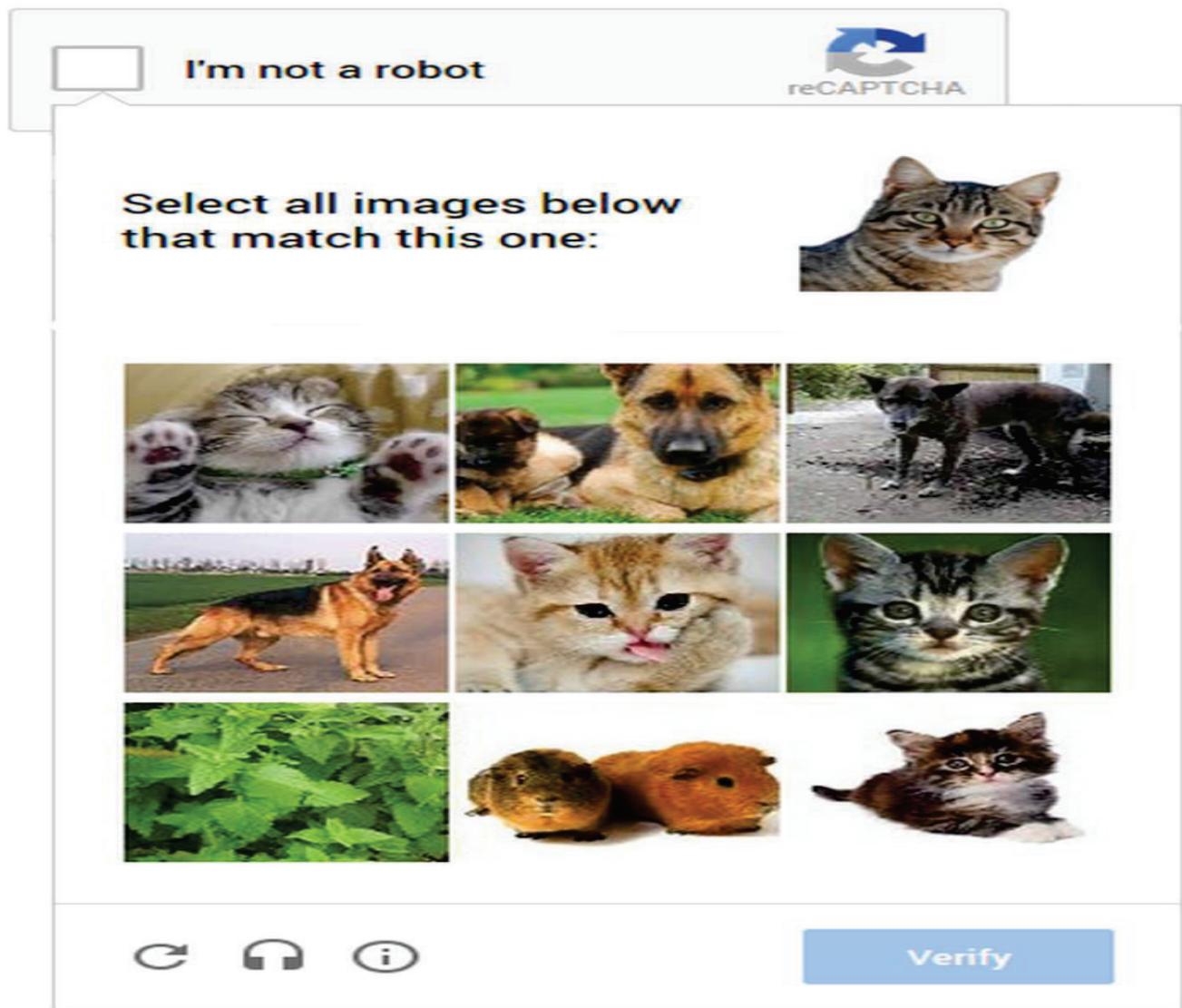
[http://cdn1.tnwcdn.com/wp-content/blogs.dir/1/files/2014/12/Recaptcha_anchor@2x.gif]

The new noCAPTCHA reCAPTCHA is the result, which makes it easier to prove you're a human as an end user, over typing in distorted text.

The new version simply offers a checkbox that says "I'm not a robot." When you tick the box, Google performs a number of seamless checks using a "risk analysis engine" to determine if you're human or not.

If the noCAPTCHA thinks you are a human, you're done and there are no more steps; it's really that easy. It feels like a heavensend to use, too, if you're like me and fail at basically every CAPTCHA the first time.

If noCAPTCHA thinks you *aren't* a human, you'll be asked to fill in either a traditional CAPTCHA or a more advanced one, like picking the right image from a series of images. Google says this is much easier for mobile users, who can just tap on the option rather than squint at a tiny image.



I spoke with Vinay Shet, Product Manager for noCAPTCHA, about the technology behind the improved service, who told us that while the checkbox sounds simple, there's really a "high degree of sophistication" going on behind the scenes.

The new risk analysis engine looks at user engagement before, during and after they click the checkbox to determine your humanity. Shet told us that the risk analysis engine "uses machine learning, that takes a number of strategies and learns what a normal user looks like so that the next time a new one comes along, we know what to look for."

Shet was careful to tell us that not *everyone* will get to use the new noCAPTCHA experience, saying that a "fraction" of users will get to use it but a number will still see the traditional distorted text CAPTCHA as it learns user habits.

Developers that want to make the most of the new noCAPTCHA experience need to use a new API to implement it in to their products. Google says it's just three lines of code which is easy to implement if you're already using the older CAPTCHA service.

The new noCAPTCHA experience has been in testing for early adopters like Snapchat, WordPress and the Humble Bundle, with Google touting 60 percent of WordPress' traffic seeing the new experience and 80 percent of Humble Bundle's in just the last week.



The Drone That Could Save You From Drowning

BY: Vikas Singh
Asst. Proff.
Dept. of CSE



They've earned something of a reputation for being buzzy little floating boxes of annoyance and privacy invasion, and the hordes of people unwrapping them this week and subsequently crashing them into the nearest tree/power line/neighbor's house probably won't help.

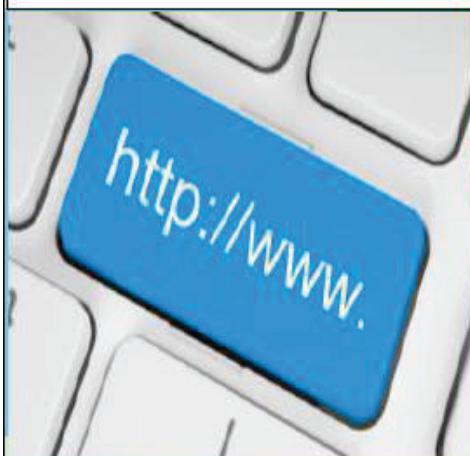
Slowly but surely, though, people are finding truly good, novel uses for them. Stopping rhino poaching! Finding skiers lost in the alps! And now... saving you from drowning?

Called Project Ryptide, this is a self-inflating life preserver ring that snaps onto just about any drone capable of carrying a GoPro. Snap it in, fly your drone out to the person in peril, tap a button, and presto — as soon as the preserver hits the water, a CO₂ cartridge dumps its contents and inflates the ring.

Ryptide was built by Bill Piedra with a group of students from the King Low Heywood Thomas private school in Connecticut. They're hoping to have this thing up on Kickstarter in the new year, with a model compatible with the super popular DJI Phantom drone going for \$99.



Welcome
2015



Most Useful Websites

BY : AMIT KUMAR GAUTAM
ASSISTANT PROFESSOR
DEPT. OF CSE

Here are some of the most useful websites on the internet that you may not know about. These web sites, well most of them, solve at least one problem really well and they all have simple web addresses (URLs) that you can memorize thus saving you a trip to Google.

And if you find this list useful, also check out the expanded version – The Most Useful Websites (<http://amzn.to/MostUsefulWebsites>) – which now offers a collection of 150+ undiscovered and incredibly useful websites to enhance your productivity.

1. ctrlq.org/screenshots (<http://ctrlq.org/screenshots/>) – for capturing screenshots of web pages (<http://www.labnol.org/internet/screencaptureonmobile/21436/>) on mobile and desktops.
2. dictation.io (<https://dictation.io/>) – online voice recognition in the browser itself.
3. zerodollarmovies.com (<http://zerodollarmovies.com>) – find fulllength movies on YouTube.
4. [screenr.com](http://www.screenr.com) (<http://www.screenr.com>) – record movies of your desktop and send them straight to YouTube.
5. goo.gl (<http://goo.gl/>) – shorten long URLs and convert URLs into QR codes (<http://www.labnol.org/internet/tools/qrcodessharetextinsideimages/3867/>).
6. unfurlr.com (<http://unfurlr.com/>) – find the original URL that's hiding behind a shortURL.
7. [qClock](http://www.qclock.com) (<http://www.qclock.com/>) – find the local time of a city using Google Maps (<http://labnol.blogspot.com/2007/01/worldtimeclocksvisualguidetotime.html>).
8. copypastecharacter.com (<http://copypastecharacter.com/>) – copy special characters that aren't on your keyboard.
9. codeacademy.com (<http://codeacademy.com>) – the best place to learn coding (<http://www.labnol.org/internet/learncodingonline/28537/>) online.
10. [lovelycharts.com](http://my.lovelycharts.com) (<http://my.lovelycharts.com/>) – create flowcharts, network diagrams, sitemaps, etc.
11. [iconfinder.com](http://www.iconfinder.com) (<http://www.iconfinder.com>) – find icons (<http://www.labnol.org/internet/freesocialmediaicons/28562/>) of all sizes.
12. [office.com](http://www.office.com) (<http://www.office.com/>) – download templates, clipart and images for your Office documents.
13. [followupthen.com](http://www.followupthen.com) (<http://www.followupthen.com/>) – the easiest way to setup email reminders (<http://www.labnol.org/internet/setupemailreminders/17910/>).
14. [jotti.org](http://virusscan.jotti.org/en) (<http://virusscan.jotti.org/en>) – scan any suspicious file or email attachment for viruses.
15. wolframalpha.com (<http://wolframalpha.com/>) – gets answers directly without searching – see more wolfram tips (<http://www.labnol.org/internet/wolframalphatricks/17752/>).

16. printwhatyoulike.com
(<http://www.printwhatyoulike.com/>) – print web pages without the clutter.
17. ctrlq.save (<http://ctrlq.org/save/>) – save online files to Dropbox or Google Drive directly.
18. ctrql.rss (<http://ctrlq.org/rss>) – a search engine for RSS feeds.
19. e.ggtimer.com (<http://e.ggtimer.com/>) – a simple online timer for your daily needs.
20. coralcdn.org (<http://www.coralcdn.org/>) – if a site is down due to heavy traffic, try accessing it through coral CDN.
21. random.org (<http://www.random.org>) – pick random numbers, flip coins, and more.
22. pdfescape.com
(<http://www.pdfescape.com/pdf/open/preload.asp>) – lets you can quickly edit PDFs
(<http://www.labnol.org/software/editpdffiles/> 10870/) in the browser itself.
23. tubemogul.com
(<http://www.tubemogul.com/about/oneload>) – simultaneously upload videos to YouTube and other video sites
(<http://www.labnol.org/internet/video/easilyuploadvideoptomultiplevideosharingwebsites/> 1946/).
24. scr.im (<http://scr.im/>) – share your email address online without worrying about spam.
25. spypig.com (<http://spypig.com>) – now get read receipts
(<http://www.labnol.org/internet/email/checkyahoogmailemailreadreceipts/> 2150/) for your email.
26. myfonts.com/WhatTheFont
(<http://new.myfonts.com/WhatTheFont>) – quickly determine the font name from an image.
27. google.com/webfonts
(<http://www.google.com/webfonts>) – a good collection of open source fonts
(<http://www.labnol.org/software/googlefontsoncomputer/> 19780/).
28. regex.info (<http://regex.info/exif.cgi>) – find data hidden in your photographs – see more EXIF tools
(<http://www.labnol.org/software/exifdataeditors/> 14210/).
29. livestream.com (<http://www.livestream.com/>) – broadcast events live over the web, including your desktop screen.
30. iwantmyname.com (<http://iwantmyname.com>) – helps you search domains
(<http://www.labnol.org/internet/domainnameresearchtools/> 17881/) across all TLDs.
31. homestyler.com (<http://www.homestyler.com>) – design from scratch or remodel your home in 3d
(<http://www.labnol.org/internet/3dhomedesignsoftware/> 8788/).
32. join.me (<https://join.me/>) – share your screen with anyone over the web.
33. onlineocr.net (<http://www.onlineocr.net>) – recognize text from scanned PDFs – see other OCR tools
(<http://www.labnol.org/software/convertimagestotextwithocr/> 17418/).
34. flightstats.com (<http://www.flightstats.com>) – Track flight status at airports worldwide.
35. wetransfer.com (<https://www.wetransfer.com>) – for sharing really big files
(<http://www.labnol.org/internet/sharelargefileswithoutemail/> 13937/) online.
36. hundredzeros.com (<http://hundredzeros.com>) – the site lets you download free Kindle books
(<http://www.labnol.org/software/downloadfreebooksforkindle/> 10990/).
37. polishmywriting.com
(<http://www.polishmywriting.com>) – check your writing for spelling or grammatical errors.
38. marker.to (<http://marker.to/>) – easily highlight the important parts of a web page for sharing.
39. typewith.me (<http://typewith.me>) – work on the same document with multiple people.
40. whichdateworks.com
(<http://whichdateworks.com>) – planning an event? find a date
(<http://www.labnol.org/internet/schedulemeetingsonline/> 12172/) that works for all.
41. everytimezone.com (<http://everytimezone.com>) – a less confusing view of the world time zones
(<http://www.labnol.org/internet/worldtimezones/> 14346/).
42. gtmetrix.com (<http://gtmetrix.com>) – the perfect tool for measuring your site performance
(<http://www.labnol.org/internet/testwebsiteperformanceonline/> 17736/) online.

43. noteflight.com (<http://www.noteflight.com/>) – print music sheets, write your own music online (review (<http://www.labnol.org/internet/composemusicnotationonline/9457/>)).
44. imo.im (<https://imo.im/>) – chat with your buddies on Skype, Facebook, Google Talk, etc. from one place.
45. translate.google.com (<http://translate.google.com/#>) – translate web pages, PDFs and Office documents.
46. kleki.com (<http://kleki.com/>) – create paintings and sketches with a wide variety of brushes.
47. similarsites.com (<http://www.similarsites.com/>) – discover new sites that are similar to what you like already.
48. wordle.net (<http://www.wordle.net/>) – quick summarize long pieces of text with tag clouds.
49. bubbl.us (<http://www.bubbl.us/>) – create mindmaps, brainstorm ideas in the browser.
50. kuler.adobe.com (<http://kuler.adobe.com/>) – get color ideas, also extract colors (<http://www.labnol.org/home/decoration/chooselivingroomcolorsschemepopularpaintcombinationideas/2782/>) from photographs.
51. liveshare.com (<http://www.liveshare.com/>) – share your photos in an album instantly.
52. lmgtfy.com (<http://lmgtfy.com/>) – when your friends are too lazy to use Google on their own.
53. midomi.com (<http://www.midomi.com/>) – when you need to find the name of a song (<http://www.labnol.org/internet/findnameofsongs/12316/>).
54. google.com/history (<https://www.google.com/history/>) – see your past searches, also among most important Google URLs (<http://www.labnol.org/internet/importantgoogleurls/28428/>)
55. bing.com/images (<http://www.bing.com/images>) – automatically find perfectly sized wallpapers for mobiles (<http://www.labnol.org/internet/findwallpapersformobilephones/13650/>).
56. faxzero.com (<http://faxzero.com>) – send an online fax for free – see more fax services (<http://www.labnol.org/internet/sendfaxfromcomputer/17676/>)
57. feedmyinbox.com <http://www.feedmyinbox.com/> – get RSS feeds as an email newsletter.
58. ge.tt (<http://ge.tt>) – quickly send a file to someone, they can even preview it before downloading.
59. pipebytes.com (<http://pipebytes.com/>) – transfer files of any size without uploading to a third party server.
60. tinychat.com (<http://tinychat.com/>) – setup a private chat room in microseconds.
61. privnote.com (<http://www.privnote.com>) – create text notes that will self-destruct after being read.
62. boxoh.com (<http://boxoh.com>) – track the status of any shipment on Google Maps – alternative (<http://labnol.blogspot.com/2007/03/trackshipmentsfromupsdhlorfedex.html>).
63. mondrian.io (<http://mondrian.io/>) – create vector drawings in the browser
64. draw.io (<https://www.draw.io/>) – create diagrams and flowcharts in the browser, export your drawings to Google Drive and Dropbox.
65. downforeveryoneorjustme.com (<http://downforeveryoneorjustme.com>) – find if your favorite website is offline or not?
66. ewhois.com (<http://www.ewhois.com>) – find the other websites (<http://www.labnol.org/internet/findwebsitesofsomeone/20550>) of a person with reverse Analytics lookup.
67. whoishostingthis.com (<http://www.whoishostingthis.com>) – find the web host of any website.
68. labnol.org (<http://www.labnol.org>) – software tutorials and howto guides.
69. disposablewebpage.com (<http://disposablewebpage.com>) – create a temporary web page (<http://labnol.blogspot.com/2007/10/createtemporarywebpagethatself.html>) that self destruct.
70. urbandictionary.com <http://www.urbandictionary.com> – find definitions of slangs and informal words.
71. seatguru.com (<http://www.seatguru.com>) – consult this site before choosing a seat for your next flight.
72. unsplash.com (<http://unsplash.com>) – download images (<http://www.labnol.org/internet/findfreeimages/24990>) absolutely free.

73. zoom.it (<http://zoom.it/>) – view very high resolute on images in your browser without scrolling.
74. scribblemaps.com (<http://scribblemaps.com/>) – create custom Google Maps easily.
75. alertful.com (<http://www.alertful.com/>) – quickly setup email reminders for important events.
76. picmonkey.com (<http://www.picmonkey.com/>) – Picnik is offline but PicMonkey is an even better image editor.
77. form spring.me (<http://formspring.me/>) – you can ask or answer personal questions here.
78. sumopaint.com (<http://sumopaint.com/app/>) – an excellent layer based online image editor.
79. snopes.com (<http://snopes.com/>) – find if that email offer you received is real or just another scam.
80. typingweb.com (<http://www.typingweb.com/tutor/>) – master touch typing with these practice sessions.
81. mailvu.com (<http://mailvu.com>) – send video emails to anyone using your web cam.
82. timerime.com (<http://timerime.com/>) – create timelines with audio, video and images.
83. stupeflix.com (<http://studio.stupeflix.com/>) – make a movie out of your images, audio and video clips.
84. safeweb.norton.com (<http://safeweb.norton.com>) – check the trust level of any website. 85. teuxdeux.com (<http://teuxdeux.com/>) – a beautiful todo app that looks like your paper dairy (<http://www.labnol.org/internet/organizetodolistsonline/11619/>).
86. deadurl.com (<http://deadurl.com/>) – you'll need this when your bookmarked web pages are deleted (<http://www.labnol.org/internet/recoverdeletedwebpagesfrominternet/6529/>).
87. minutes.io (<https://www.minutes.io/>) – quickly capture effective notes during meetings.
88. youtube.com/leanback (<http://youtube.com/leanback>) – Watch YouTube channels in TV mode.
89. youtube.com/disco (<http://www.youtube.com/disco>) – quickly create a video playlist of your favorite artist.
90. talltweets.com (<http://www.talltweets.com/>) – Send tweets longer than 140 characters.
91. pancake.io (<http://pancake.io/>) – create a free and simple website using your Dropbox account.
92. builtwith.com (<http://builtwith.com/>) – find the technology stack to know everything about a website (<http://www.labnol.org/internet/tools/bestonlinetoolsforwebmastersknoweverythingaboutwebsites/2744/>).
93. woorank.com (<http://www.woorank.com/>) – research a website from the SEO perspective.
94. mixlr.com (<http://mixlr.com/>) – broadcast live audio over the web.
95. radbox.me (<http://radbox.me/>) – bookmark online videos and watch them later (review (<http://www.labnol.org/internet/bookmarkwebvideos/18744/>)).
96. tagmydoc.com (<http://tagmydoc.com/>) – add QR codes to your documents and presentations (review (<http://www.labnol.org/internet/shareddocumentswithqrcode/20456/>)).
97. notes.io (<http://notes.io/>) – the easiest way to write short text notes in the browser.
98. ctrlq.org/htmlmail (<http://ctrlq.org/htmlmail/>) – send richtext mails to anyone, anonymously.
99. fiverr.com (<http://fiverr.com>) – hire people to do little things for \$5.
100. otixo.com (<http://otixo.com>) – easily manage your online files (<http://www.labnol.org/internet/transfercloudfiles/20227/>) on Dropbox, Google Docs, etc.

FAMILY LOVE **HAPPY** PEACE
FUTURE CHRISTMAS WISHES **NEW YEAR** FUN
HEALTH FRIENDSHIP CHAMPAGNE FORTUNE
JOB FITNESS CHANGE **LITERARY** HOLIDAY
LIFE BEST PART PROSPERITY X FREEDOM SATISFACTION
GOOD LUCK 2014 PROFIT
WEALTH ADVANCE HOPE 2015 HAPPINESS PROMOTION
MONEY





I DON'T Fail AND NEITHER DO YOU

BY : PARTH SHARMA
CS , 2ND YR



The world is categorised by two types of people-The noble soul a.k.a an Encourager and Evil personified i.e. a Discourager.

Now,unfortunatly the number of people who fall in the former category are quite a handful but the number of those whose only motive in life is to say 'You fail' ranges in billions but the misery doesn't end here.If you have plenty of people around you who say that you are 'Damn Awesome' and you happen to be the son of Mukesh Ambani then trust me your fan following is not interested in you or motivating you.Their soul aim is to get a hand over your wallet.This implies that there are only 0.001% of people who really encourage others to step out of the crowd and follow their dreams.People have a nag for pushing others down.There will always be tons of people who will advice you,discourage you,emotionally torture you and even threaten you as in the case of Indian families forcing their child to pursue the "family career".They tell you not to dream big because they themselves can't do it.They think that if they can't do it then nobody can do it.It should be your sworn duty to prove such incapable men wrong.Believe in yourself.Don't go in with the everyday monotonous flow of the masses but instead make your own path.Religious folk say that if you do something good for others the same will happen to you and if you do something bad then in turn bad things will happen to you.So,if you want that people should encourage you to follow your dreams then you too should encourage others.Treat others the way you want to be treated.It's absolutly foolish to expect any motivation from someone if you yourselves mock the dreams of others.As far as your dreams are concerned then you need to have only one fundamental rule:NEVER GIVE UP.

A loser falls and gives up but the winner is who gets up even after countless falls.Go on in your fiery path...fall a little and then rise like a warrior.





Just Do It

BY : FAISAL IKRAM
EC 2ND YR

Surely all of us at some time or the other have faced the devil of procrastination: when you know that a task is urgent and yet you keep on putting it away: it could be homework, it could be a task assigned at work, or it could something as simple as cleaning your room.

A lot of the time this could happen because we do not keep to-do lists. A grand-uncle of mine had a small diary in which he would note down things he had to do that day, that week and that month. I remember peeking into it once, and it included 'Buy Laxative' on a particular day.

A rolling to-do list, which is one you keep on updating for the day, the week, the month and the year, works best for some people. Please remember that there is great satisfaction, even exhilaration, in ticking off things done on a to-do list. It makes you self-confident, and empowers you because you have won against a task.

Sometimes it is plain laziness. In which case you just need to take yourself by your collar and psych yourself into doing the task you want to run away from. Thinking of the consequences of letting the task fester can prod us into action. So think of the extra work one would need to do next week to really clean out that kitchen your mom has been nagging you to. Or think of the sleepless hours you would need to put in, to complete the college project, if you have to do it overnight, a few hours before the deadline.

It could be that we put off things because we feel we are not equipped to do those tasks. In such a case it is not a sign of weakness to ask for help. Do seek help when you are in that situation.

So whip out the diaries, open those on-line tools and get cracking on what you HAVE to do, and what would be NICE to do. Feel exhilarated when you have done what you were supposed to. It's a great feeling.

LOVE **HAPPY** PEACE **Z**
NEW YEAR **FUN**
FRIENDSHIP WISHES CHAMPAGNE FORTUNE
HEALTH FAIRNESS
JOB **Placement**
FITNESS CHANGE **NEWZ** HOLIDAY
LIFE PART PROSPERITY & FREEDOM SATISFACTION
BEST WEALTH **GOOD LUCK** 2014 PROFIT
NIGHT CHANCE 2016 HAPPINESS PROMOTION
LIFE WEALTH HOPE MONEY





Delhi Metro Rail Corporation (DMRC) jobs

The **Delhi Metro Rail Corporation Limited (DMRC)** was registered on 3rd May 1995 under the Companies Act, 1956 with equal equity participation of the Government of the National Capital Territory of Delhi (GNCTD) and the Central Government to implement the dream of construction and operation of a world-class Mass Rapid Transport System (MRTS).

Jobs for Jr. Engineer/ Asst. Manager/Asst. Programmer:

Eligibility : Educational Qualification:

BSc(CS, Electronics, IT, Mathematics), MBA/PGDM, BE/B.Tech(Civil, CSE, EEE, IT, Mechanical Engineering, Fire & Safety), LLB, MSc(CS), Diploma(Civil, EEE).

For applying please go through following link:

<http://www.delhimetrorail.com/career.aspx>

Last Date to apply: 14 Jan 2015

Mineral Exploration Corporation Ltd. (MECL)



Mineral Exploration Corporation Ltd. (MECL) was established as an autonomous Public Sector Company in October 1972, under the administrative control of Ministry of Mines, Government of India for systematic exploration of minerals, to bridge the gap between the initial discovery of a prospect and its eventual exploitation. MECL has the Mission "to provide high quality, cost effective and time bound geo-scientific services for exploration and exploitation of minerals".

Jobs for Executive Trainee in Anywhere in India:

Eligibility :

Educational Qualification:

ME/M.Tech, MSc(Chemistry, Geology), MCA, BE/B.Tech(chemical engineering, CSE, Mechanical Engineering, Petroleum / Petrochemical Engg).

Candidates appearing in final year of the prescribed essential qualifying educational qualification examination may also apply. Selection of the candidates are based on GATE-2015 score, and then after they will be called for personal interview for final selection.

Age Limit :

18-28 Yrs as on 01.01.2015

For applying please go through following link:

<http://www.mecl.gov.in/Recruitment/Recruitmentmainform.aspx>

Last Date to apply: 10 Jan 2015

Private Sector IT/Software Jobs

iPeoplesolutions Pvt. Ltd.

Specialist in IT application software management and support, and provide leadership on IT project management, processes and people.

Post: Associate Software Engineer for Delhi

Eligibility :

ME/M.Tech, MCA(computer), BE/B.Tech.

Fresh graduates, 2014, 2015 pass out with 65% and above in HSC, SSC & Graduation please apply. Selected candidates will be deployed for software application support and maintenance projects for our customers.

Hiring Process : online test

Last Date : 18 Jan 2015

Link for applying: www.freshersworld.com

Hestabit Technologies Pvt. Ltd.

Hestabit is one of the leading service providers, offering an array of IT related services to its clients across the globe. With sound domain knowledge and innovative software solutions, we aim to deliver value to our customers.

Android Development Training cum Placement

Looking for candidates who want to make their career in information technology and would like to grab the opportunity to join the aimed and professional **Java/Android/Testing development team**. This is an opportunity to work on some creative applications development.

Eligibility: B.C.A./MCA/B.E/B-tech(CS/IT/EC)/B.Sc(IT) or equivalent in any stream.

Training Location: Delhi/N.C.R, INDIA

Candidate may be provided a stipend from second month based on candidate's performance during the training period.

<http://www.hestabit.com/careers/>



Test of English as a Foreign Language (TOEFL)

By. SAPNA YADAV
ASSISTANT PROFF.
DEPT. OF CSE



TOEFL or better known as the Test of English as a Foreign Language is a test which measure how proficient you are at English who has native language other than English.

If you're a foreign student planning to attend college or graduate school in the United States, chances are you are going to take the TOEFL®—the Test of English as a Foreign Language. More than 5,200 colleges and universities worldwide require this test as part of your application. It is designed to evaluate your mastery of the English language and your ability to be successful in an English-speaking academic environment. Each year, more than half a million students take the TOEFL test, primarily for the purpose of attending graduate school. The TOEFL is also used by undergraduate institutions and by several government agencies and other organizations for professional certification.

TOEFL is accepted as a barometer of English proficiency in almost all the major and top international Companies, Governmental agencies and organizations as well as educational institutions and universities in the US, Canada, UK, Australia and New Zealand.

It will increase your flexibility towards listening to lectures, viewing films, attending seminars, reading textbooks, performing online research, speaking with professors and other students, writing academic papers, reports, e-mails and more.

What does the TOEFL test measure?

Historically, the CBT and the PBT versions of the TOEFL would test English language skills by evaluating a person's reading, writing, and listening. Until the paper-based version is totally phased out, the TOEFL test will continue to evaluate your proficiency in this manner. However, the TOEFL iBT test has a new format that emphasizes your ability in reading, writing, listening, and speaking. During the test, you may be asked to read text and listen to a lesson, and then write or speak your response. You should take this into consideration as you plan your TOEFL preparation.

During the Internet-based TOEFL test, test centers will record your speech, and also provide audio presentations during the testing—a first for a global standardized test! ETS refers to this new format as an “integrated tasks” test, and intends to provide a more complete assessment of your language skills. Schools should be able to look at your TOEFL score and get a clear picture of how well you will be able to communicate and learn in an English-speaking academic environment.

The Computer-Based TOEFL Test (CBT) is comprised of 4 sections—

Section 1: Listening: Examine student's ability to understand North American English.

Section 2: Structure (Grammar): Examine student's ability to understand language as per the standard written English.

Section 3: Reading: Examine student's ability to understand non-technical reading material.

Scoring Criteria in the TOEFL Exam 2014

The range of scores on the CBT TOEFL Test is: 0 – 300. In other terms, the aggregate score is 300 points. This breaks down in each section as a scaled score mentioned below:

Listening: 0 – 30

Structure/Writing: 0 – 30

Reading Comprehension: 0 – 30

TOTAL SCALED SCORE: 0 – 300

The scores of essay in the Writing Section is covered in Structure score. The essay is graded on a scaled score of 0 to 6 with 6 being the highest possible scores in the Writing Section. Essay score is 1/6 of the aggregate test score.

Total Number of Questions and the rational time to complete each section are mentioned below:

Tutorials: 7 untimed tutorials describing the procedure of exam.

Listening: 30 to 49 questions with 15 – 25 minutes to answer the questions.

40 – 60 minutes to finish the overall section. When you are listening to the conversations as well as talks the clock will not be displayed.

Structure: 20 – 25 questions with 15 – 20 minutes to finish the questions.

Reading: 44 – 55 questions with 70 – 90 minutes to finish the section (including time spent on reading passages and answering questions).

Writing: One given essay topic, with 30 minutes to finish the essay.

2015

JANUARY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE

S	M	T	W	T	F	S
			1	2	3	4
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST

S	M	T	W	T	F	S
					1	
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER

S	M	T	W	T	F	S
			1	2	3	4
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

OCTOBER

S	M	T	W	T	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

DECEMBER

S	M	T	W	T	F	S
			1	2	3	4
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

THE BYTE TEAM

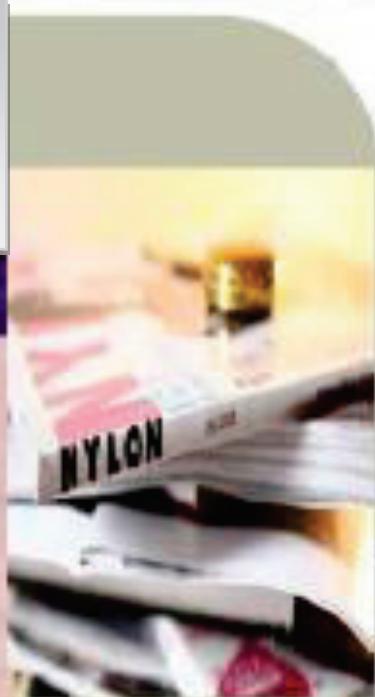
FACULTY MEMBERS

Chief Editors

MR. AMIT KUMAR GAUTAM
MS. LIPIKA GOEL

Coordinators

MS. ANN MARY
MS. SAPNA YADAV



STUDENT MEMBERS

Team Leaders

SHUBHAM DIXIT
PRIYANSHA MISHRA
ANUJ SRIVASTVA

Coordinators

SHUBHAM SINGH
SHRADDHA SRIVASTVA
SHASWAT SINGH
ROHIT CHAUDHARY
PARTH SHARMA



Dear Readers

We write this in a positive frame of mind that we are doing this for the very first time and we're really glad that we've got this far. It was crazy when we started it but when it all came together we were more than happy. The whole industry is undergoing profound changes and we'll be talking about a few of them. We're very proud of the work displayed here by the writers, photographers and designers who made this issue possible. We hope you enjoy reading these articles, as seen through the IMS student's journalistic eye.

.....from team "The Byte"