



# Ishare

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## Editorial

We would like to wholeheartedly thank our honorable Chairman, Secretary, Executive Director and Principal for their continuous encouragement and constant support for bringing out the magazine. We profoundly thank our Head of Department for encouraging and motivating us to lead the magazine a successful one right from the beginning. Ishare serves as a platform for updating and enhancing upcoming technologies in Information and Communication. We are grateful to all the contributors to this magazine so far. The magazine has been sent to almost 60 institutions in and around Tamilnadu. So far we have received feedbacks and appreciations from various institutions. We would be very pleased to receive your feedbacks. Please send your feed backs to [ksrcas.ishare@gmail.com](mailto:ksrcas.ishare@gmail.com)

By,

Editorial

Board

<b>S.No</b>	<b>Particulars</b>	<b>Page</b>
<b>1</b>	<b>5g wireless Technology</b>	<b>4</b>
<b>2</b>	<b>Free Voice call</b>	<b>6</b>
<b>3</b>	<b>Sharp's Next-Gen Mobile Touchscreens</b>	<b>8</b>
<b>4</b>	<b>IBM Fast Chip</b>	<b>11</b>
<b>5</b>	<b>Computer tricks</b>	<b>12</b>
<b>6</b>	<b>Google glass Features</b>	<b>14</b>
<b>7</b>	<b>Hanson Robotics</b>	<b>17</b>
<b>8</b>	<b>Face Recognition Technology</b>	<b>18</b>
<b>9</b>	<b>Removing Virus</b>	<b>19</b>
<b>10</b>	<b>List of CEO</b>	<b>19</b>
<b>11</b>	<b>Windows 8 Shortcuts</b>	<b>24</b>
<b>12</b>	<b>Android Notification on PC</b>	<b>29</b>

13

## Remove Trojan

30

### 5g-Wireless System

Venu Gopal Chetty P.V.S

I-B.Sc(CS)-B



#### Definition of 5g Wireless System:

5G ( **5th generation mobile networks** or **5th generation wireless systems** ) is a name used in some research papers and projects to denote the next major phase of mobile telecommunications standards beyond the upcoming 4G standards (expected to be finalized between approximately 2011 and 2013). Currently, 5G is not a term officially used for any particular specification or in any official document yet made public by telecommunication companies or standardization bodies such as 3GPP, WiMAX Forum or ITU-R. New 3GPP standard releases beyond 4G and LTE Advanced are in progress, but not considered as new mobile generations. The implementation of standards under a 5G umbrella would likely be around the year of 2020.

5G Technology stands for 5th Generation Mobile technology. 5G technology has changed the means to use cell phones within very high bandwidth. User never experienced ever before such a high value technology. Nowadays mobile users have much awareness of the cell phone (mobile) technology. The 5G technologies include all type of advanced features which makes 5G technology most powerful and in huge demand in near future

#### Introduction of 5g Wireless System:

5G technology going to be a new mobile revolution in mobile market. Through 5G technology now you can use worldwide cellular phones and this technology also strike the china mobile market and a user being proficient to get access to Germany phone as a local phone. With the coming out of cell phone alike to PDA now your whole office in your finger tips or in your phone. 5G technology has extraordinary data capabilities and has ability to tie together



unrestricted call volumes and infinite data broadcast within latest mobile operating system. 5G technology has a bright future because it can handle best technologies and offer priceless handset to their customers. May be in coming days 5G technology takes over the world market. 5G Technologies have an extraordinary capability to support Software and Consultancy. The Router and switch technology used in 5G network providing high connectivity. The 5G technology distributes internet access to nodes within the building and can be deployed with union of wired or wireless network connections. The current trend of 5G technology has a glowing future.

The 5G terminals will have software defined radios and modulation schemes as well as new error-control schemes that can be downloaded from the Internet. The development is seen towards the user terminals as a focus of the 5G mobile networks. The terminals will have access to different wireless technologies at the same time and the terminal should be able to combine different flows from different technologies. The vertical handovers should be avoided, because they are not feasible in a case when there are many technologies and many operators and service providers. In 5G, each network will be responsible for handling user-mobility, while the terminal will make the final choice among different wireless/mobile access network providers for a given service. Such choice will be based on open intelligent middleware in the mobile phone.

### **Network Layer :**

The network layer will be IP (Internet Protocol), because there is no competition today on this level. The IPv4 (version 4) is worldwide spread and it has several problems such as limited address space and has no real possibility for QoS support per flow. These issues are solved in IPv6, but traded with significantly bigger packet header. Then, mobility still remains a problem. There is Mobile IP standard on one side as well as many micro-mobility solutions (e.g., Cellular IP, HAWAII etc.). All mobile networks will use Mobile IP in 5G, and each mobile terminal will be FA (Foreign Agent), keeping the CoA (Care of Address) mapping between its fixed IPv6 address and CoA address for the current wireless network. However, a mobile can be attached to several mobile or wireless networks at the same time. In such case, it will maintain different IP addresses for each of the radio interfaces, while each of these IP addresses will be CoA address for the FA placed in the mobile Phone. The fixed IPv6 will be implemented in the mobile phone by 5G phone manufactures.

The 5G mobile phone shall maintain virtual multi-wireless network environment. For this purpose there should be separation of network layer into two sub-layers in 5G mobiles i.e.: Lower network layer (for each interface) and Upper network layer (for the mobile terminal). This is due to the initial design of the Internet, where all the routing is based on IP addresses which should be different in each IP network world wide. The middleware between the Upper and Lower network layers (Fig. 3)

shall maintain address translation from Upper network address (IPv6) to different Lower network IP addresses (IPv4 or IPv6), and vice versa.

**Features:**

- 5G technology offer high resolution for crazy cell phone user and bi- directional large bandwidth shaping.
- The advanced billing interfaces of 5G technology makes it more attractive and effective.
- 5G technology also providing subscriber supervision tools for fast action.
- The high quality services of 5G technology based on Policy to avoid error.
- 5G technology is providing large broadcasting of data in Gigabit which supporting almost 65,000 connections.
- 5G technology offer transporter class gateway with unparalleled consistency.
- The traffic statistics by 5G technology makes it more accurate.
- Through remote management offered by 5G technology a user can get better and fast solution.
- The remote diagnostics also a great feature of 5G technology.
- The 5G technology is providing up to 25 Mbps connectivity speed.
- The 5G technology also support virtual private network.
- The new 5G technology will take all delivery service out of business prospect
- The uploading and downloading speed of 5G technology touching the peak.

The 5G technology network offering enhanced and available connectivity just about the world

**Make Free Calls from Computer to Mobile Phone Anywhere in the world with yahoo messenger or Skype**



## P.Thamarai selvan

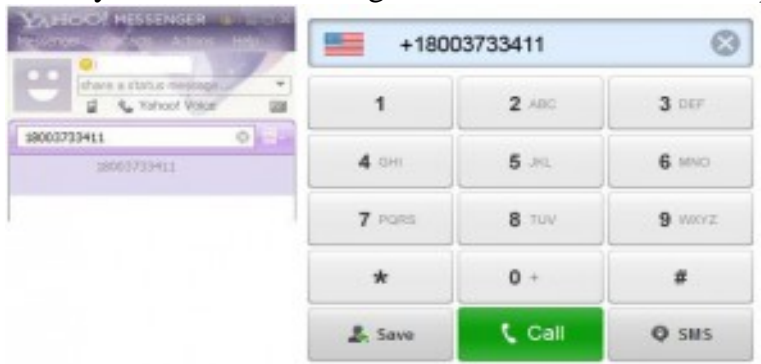
### II- Bsc (Cs)-"A"

You can now make free calls from your pc to any mobile in the world. All you need is a mic with ear phones, a decent internet connection and Yahoo Messenger or Skype Installed. I'm now using this free call method and the great thing is that, this trick can be used to make unlimited call to mobiles all over the world and not limited to United States. It even works to make free local mobile calls in India.

So how do we make a call from pc to mobile phone for free?

Install Yahoo messenger or Skype. In case you don't have it Google it and download the latest version.

Sign into your yahoo messenger or Skype using your yahoo id and password. Configure your microphone and headset if you have installed a fresh yahoo or skype software Inside your Yahoo messenger dial +18003733411 and press enter (as shown in figure).



Now a small window pops up like the one shown below.



An operator greets you with a recorded welcome message along with an advertisement and asks you to select one of the Free411 service. Just hear the services options until they say the last one

as "Free Call". When you hear this, don't press any number on your keyboard and instead SAY "Free call" loudly on your microphone connected to your PC.

After this voice message is detected by their system, they will run a short advertisement of their sponsor and make sure you don't press any number at this time.

**WAIT UNTIL YOU HEAR A BEEP SOUND** after the following message "Please dial



the phone number country code first, don't forget to dial 1 for north America”  
After you hear this message ,immediatly dial the destination number of your choice along with the country code.(e.g. for north America it's 1 and for India it's 91)

Your call will get connected and you can talk for 7 minutes continuous for free. When it gets disconnected, repeat the same procedure again. You can make multiple and unlimited calls with this service.

It was never easy to make a free international call like this before.

So what's the catch?

FREE411 service toll-free number is based in USA. This company gets paid for the advertisements from sponsors.

Are there any limits on the number of call which we can make?

No. There is no limit on the number of free calls which can be made through this system.

So enjoy this trick to make free international and local calls and make sure you don't abuse the system.

### **Sharp's Next-Gen Mobile Touchscreens: 3-D for the Naked Eye**

**RAMYA DEVI.R**

**III-BCA-C**



3-D is gaining traction in the entertainment industry, with movies, televisions and DVDs drawing the interest of consumers. Mobile devices are next. Sharp claims that technology advances have vastly improved 3-D image quality on the small screen, and it will be making new 3-D LCD touch screens available for a variety of devices. No special glasses are required.

3-D touchscreen LCD, switchable between 2-D and 3-D modes (simulated image).



Japanese electronics giant Sharp on Friday unveiled a liquid crystal display (LCD) touchscreen that lets viewers see three-dimensional images without special glasses.

That announcement kicked off speculation that the screen will be used in Nintendo's forthcoming 3DS game console, which will have the same kind of 3-D capability.

Sharp plans to offer mobile devices ranging from phones to computers equipped with the 3-D screens.

### **Diving into Sharp's 3-D**

Sharp, which has been working on 3-D products since 2002, said it has improved image quality to the point where it can launch the next generation of 3-D screens. Its new screen will let users see 3-D images from a distance of 12 inches without requiring special glasses.

Sharp is using parallax to achieve this effect. Parallax is a displacement or difference in the apparent position of an object viewed along two different lines of sight.

One example of parallax can be seen in automobile speedometers with needle gauges. When viewed from the front, the needle points to a particular number, say 60, indicating a speed of 60 miles per hour; but when viewed from the side, it will appear to be to the left or right of that number depending on whether the viewer is to the right or left of the driver's seat.

The technologies that let viewers see 3-D images without special glasses are called "auto stereoscopic displays." One method requires lenticular lenses. These consist of an array of magnifying lenses designed so the viewer sees different images when looking at them from different angles. This method doesn't rely on the display to be of a particular thickness. Sharp is not using this approach, however.

The other method, which uses parallax barriers, is the one Sharp is using for its new touch screens. A parallax barrier consists of a layer of material with a series of fine slits that effectively chop up the image, so each of the viewer's eyes sees a different set of pixels.

The parallax barrier system is already used in ordinary LCDs to create a sense of depth. However, the conventional system does not display high-quality images in 3-D mode, according to Sharp.

Advances in CG-Silicon technology increased brightness and lowered crosstalk -- double images created by overlapping of left and right images. Those advances, together with optimization of the parallax barrier system, resulted in significantly improved image quality in Sharp's new 3-D LCD, the company said.

### **Fun and Games with 3-D**

The entertainment industry is leading the move toward 3-D. Video game developers are bringing out 3-D games to stay in their highly competitive industry, while movie makers have begun bringing out 3-D blockbusters. Manufacturers of home theaters, television sets and DVD players are also beginning to incorporate 3-D into their products, and the technology was one of the hottest topics at the Consumer Electronics Show held in Las Vegas in January.



See images in 3-D while taking a video.

This may lead mobile phone manufacturers to push strongly into the market.

Mobile phones with 3-D screens aren't new. Sharp launched a 3-D mobile phone in Japan in 2003; Samsung brought one out in 2007; and Hitachi released one in 2009. However, they failed to take off, possibly because they were ahead of their time.

Laptops with 3-D screens have also been around for awhile. Sharp introduced the Actius AL3D notebook in 2005; in October of 2009, Acer unveiled its Aspire 5783DG notebook with 3-D viewing technology.

"We've had 3-D mobile phones before, but there just wasn't the content," Allen Noguee, a principal analyst at In-Stat, pointed out. "Now that the movie companies are big into it and there are going to be 3-D DVDs, it does seem natural for the technology to roll down to the mobile phone," he told TechNewsWorld.

The cost of 3-D technology was another limiting factor, Neil Shah, an analyst at Strategy Analytics, told TechNewsWorld. However, that situation will change.

"With the wider availability of content and increased scale of distribution, costs will go down over the next few years," he predicted.

### **Making 3-D Work for Mobile Phones**

Gaming will probably drive the adoption of 3-D on mobile phones, said Rob Enderle, principal analyst at the Enderle Group.

"Get 3-D on a smart phone or a small device like the Dell Streak and they could be pretty hot for gaming and other kinds of 3-D activities," Enderle told Tech News World.

The Dell Streak is a mobile Internet device that will run Android 2.0 and be able to access the Internet and email over 3G wireless services. It will have a five-inch touch screen and offer Wi-Fi and Bluetooth.

However, 3-D screens won't be widely available on mobile phones for quite awhile.

"We're at the stage where some movies are in 3-D; we'll see 3-D in more movies in the next two to three years," In-Stat's Noguee explained. "It's going to be two, three, maybe four years before most people have 3-D TVs, and it'll probably be even longer before they care about watching movies and playing games in 3-D on the mobile phone."

Some of the available content for smartphones may have to be reworked.

"You could really make the user interface look very rich with 3-D, but you really have to think about the environment and what you have to do to make it compelling," Enderle said.

"You can't just take something that was developed for 2-D and adapt it for 3-D," he pointed out. "That won't work."

However, PC games might be easily reformatted for 3-D. "Most PC games are written for depth, which makes it easy to translate them into 3-D," Enderle said.

Software to do this is already available. French game developer Darkworks, whose games include "Cold Fear," announced its TriOviz for Games software development kit that lets developers convert 2D games into 3-D ones. It announced this at the Game Developers' Conference held in March in San Francisco

### **IBM goes on new mainframe with fastest chip, flash memory**

**R.Manikanda Prabu,**

**II-BCA-B**



IBM's latest mainframe, the z Enterprise EC12, is big on data analytics and hybrid clouds.

This system, announced Tuesday, includes a new 5.5-GHz, six-core processor, versus the 5.2-GHz, quad-core processor that shipped with the zEnterprise 196, announced two years ago last month.

This may be the world's fastest commercial processor, say analysts. Despite this, it is not as big a jump in sheer clock rate as some of the earlier leaps in mainframe CPU speed.

Regardless, IBM says this system has 25% more performance per core and some workloads will see performance gains by as much as 45%.

The trend among system and chip makers has been to add cores and turn to software parallelism to improve performance. But Jeff Frey, the CTO of the System Z platform and an IBM Fellow, says they aren't trading off single-thread performance in the mainframe.

"We continue to press on single-thread performance," said Frey, who added that it remains important for customers who have applications that execute processes serially, such as batch applications.



This latest chip was produced at 32 nanometers, versus 45 nanometers in the earlier system. This smaller size allows more cache on the chip, in this case 33% more Level-2 cache. The system has doubled the L3 and L4 cache over the prior generation, said Frey. The system can

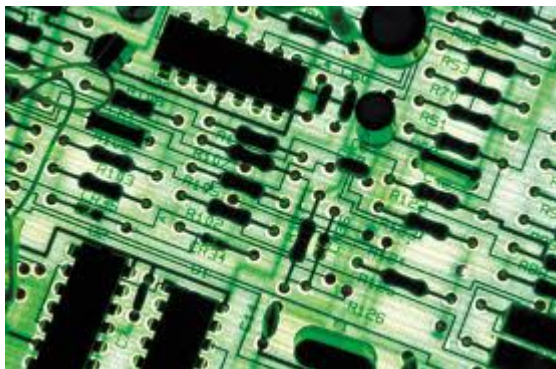
support as many as 120 cores.

Joe Clabby of Clabby Analytics, who was briefed by IBM on the new system, said the increase in cache is particularly important for improving performance. "It's now gotten better at data intensive workloads," said Clabby. "The closer you can put the data to the processor, the faster it can be executed."

The zEC12 has 3TB of system memory, similar to z196, but also adds flash memory called Flash Express, with a maximum capacity of 6.4 TB, to improve system performance. The memory is easily configurable and protected with 128-bit encryption, said Frey.

Initially, the flash memory will be used internally for efficient paging of virtual memory, diagnostics and better performance of workloads, said Frey.

But he said that in the future, DB2 and Java will have direct exploitation of the flash memory, providing "huge improvements" in performance and scale of DB2, buffer pools and Java.



There's no timeframe for that capability, but once DB2 and Java are allowed to use flash memory directly, "you'll be able to have DB2 exploit very large in-memory databases with extremely good performance," Frey said.

Overall, IBM said the new mainframe is delivering as much as a 45% improvement for multithreaded Java workloads, 35% in compute intensive, C and C++ based applications, and as much as 30% for transaction and transactional DB2 and relational analytical applications, as well as SAP workloads.

## Computer Tricks

**R.SELVARAJ**

**II-BCA-E**

### **Assign Keyboard Shortcuts for Programs**

Application can be assigned a shortcut key in Windows 7. The application would launch when the combo of

Keys is pressed which you entered as the Shortcut Key for that application.

To create Shortcut key for any application in Windows 7:

1. Right-click the program icon and select Properties.
2. Select the Shortcut tab

3. Click in Shortcut key textbox
  4. Enter the keyboard shortcut for that program.
  5. Press OK to exit.
  6. Use the Keyboard shortcut combo to launch the application.
- Like the way I have used a combo of keys **Ctrl+Alt+C** to launch calculator application other applications can also be launched using Shortcut keys.

### Customize the Windows 7 log-on screen

Windows 7 makes it easy changing the Windows log-on screen.

1. Go to start, and click on Run, type **Regedit** & press enter there.
2. to:  
Navigate  
**HKEY\_LOCAL\_MACHINE\Software\Microsoft\Windows\CurrentVersion\Authentication\ LogonUI\Background**
3. Double-click the OEMBackground DWORD key
4. Set value of the key to 1.
5. Select a background image for Logon Screen with size less than 256KB in size (Use of Image Resize software like VSO Resizer can help)
6. Copy that image into the  
**C:\Windows\system32\oobe\info\backgrounds** folder
7. Rename the image to background Default.jpg
8. Reboot, and now your logon Image would have changed.

### How to disable restrict USB/Flash Drive in Windows 7

Recently one of my friend asked me how a USB drive can be disabled on a particular computer. So it is a pretty much Registry Tweak.

To disable the access to USB port, in windows XP, Vista and Windows 7:

1. Click Start, and then click Run.

2. Type **regedit**, and then click OK. (Or simply open registry)
3. Navigate to the following registry key:  
KEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\UsbStor
4. In the right pane, double-click Start.
5. In the Value data box, change its value to 4, which was 3 and then click OK.

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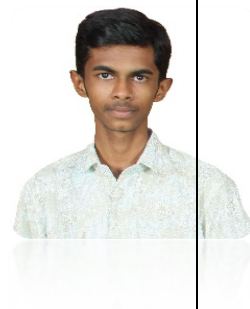
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4. In the right pane, double-click Start.
5. In the Value data box, change its value to 4, which was 3 and then click OK.

To re-enable a disabled port:

1. Click Start, and then click Run.
2. Type **regedit**, and then click OK. (Or simply open registry)
3. Navigate to the following registry key:  
HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\UsbStor

## **7 Google Glass Features**





**D.MANOJ**

**III-BCA-C**

When Google Glass was first “announced” back in early 2012, the rumor mill went on overdrive. Speculation was rife about what Google was planning to do. Wearable technology ideas were thrown left and right.

Augmented reality rumors were even brought up. At this point, with Google Glass being available to a few people, we know much more about Google’s “next big thing”, but I wager that many an average consumer still is not totally clear about what Google Glass can do.

Sure, we know that it gives the user the power to be connected by merely wearing the device. You can take pictures, tweet, and do all sorts of stuff you can do with your smartphone right now. But what are the Google Glass features that will really convince you to shell out hundreds – maybe a thousand – dollars for something that, depending on your perspective, looks really cool or really dorky?

Here are some of the Google Glass features that just might push you over the line of doubt.

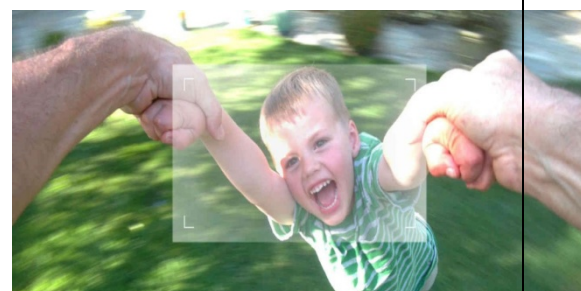
### **1. Prism screen display**

It really is the stuff science fiction is made of, except that it is science *reality* now! The highlight of all Google Glass features, this screen displays data without obstructing your view, plus it is actually the equivalent of a 25-inch high def screen eight feet away.



### **2. Take pictures/video**

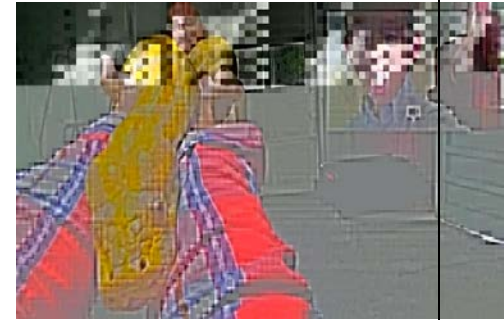
This feature is a boon and a bane, depending on how concerned you are with privacy. On the one hand, you can easily take photos and videos just by issuing a voice command. Yeah, you might look/sound silly doing that, but it sure is convenient! Of course, privacy issues are



already being raised at this point. Still, having the ability to take a picture/video of what you actually see rather than having to hold up your phone is going to change our habits.

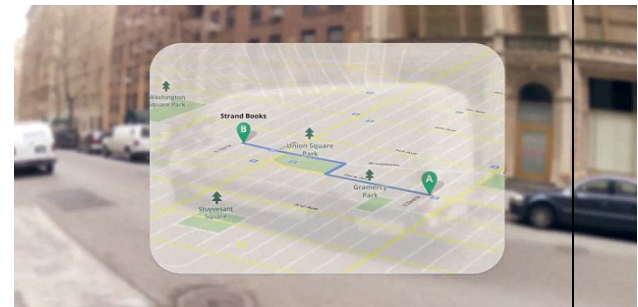
### 3. Start and hold a Google+ Hangout

I am not sure just how convincing this feature is if you are not a Google+ user. Then again, the news is that users are leaving Facebook in hordes and that Google+ is gaining more traction. It is probably not unthinkable to see more people using the other social network in the near future. And if this is the case, being able to engage in a Google+ Hangout using Google Glass will certainly be handy.



### 4. Text message

Of all the Google Glass features, this is probably one of the most convincing, especially for those who are constantly hunched over their phones texting. This also extends to emails, by the way. To be honest, the mere thought of not having to hold the phone/tablet to check mails/text messages and reply to them is more than enough to entice me to start saving for Google Glass.



### 5. Google Maps

For people like me who are already totally reliant on Google Maps to get around without being ripped off by cab drivers who prefer to take the “scenic route”, Google Glass’s Maps integration is essential. Turn-by-turn directions included.

### 6. Translate

Love to travel but can’t speak a foreign language if your life depended on it? No need to worry if you have Google Glass with you. It can help with translation, even if it’s another person speaking to you in a strange language. At the moment, this feature is not fully developed yet, and there are probably issues with Internet connectivity, but once this feature gets there, it will



be awesome.

## **7. iOS Compatibility in the works**

This is not really a specific feature if you think about it, but one of the main concerns of consumers is that Google Glass will not be compatible with their other devices. The good news is that they are working on iOS compatibility for important Google Glass features like turn-by-turn directions and text messaging.

There really is no reason not to try out the Google Glass, even with only these seven features, is there? Perhaps the current price of \$1500 is a tad steep, but if Google pulls the price down to half – or less, as some think will happen – then it is not going out on a limb to predict that Google Glass really will be the next big thing in consumer tech. There are critics – pessimists will always be present and loud, even – but a lot remains to be seen, and if these features work excellently, I honestly can't see why you wouldn't be convinced to go the Google Glass way.

## **Hanson Robotics unveils latest version of its Zeno humanoid robot**

**G.DHARANI**

**II-BCA-E**

Back in 2007, a humanoid robot with a remarkable range of movement and impressive artificial intelligence that was aimed at the children's toy market. Built by Hanson Robotics, the 17-inch (43 cm) tall robot could stand, make eye contact and had artificial intelligence software with voice recognition to enable it to engage in conversations. Projected retail price was US\$300. Five years later, Hanson has released a YouTube video announcing that the latest version of Zeno is going into production, though it's a bit taller and a lot more expensive.

Zeno the humanoid robot from Hanson Robokind is all grown up and now stands 27-inches (67 cm) tall.



Part of the Hanson RoboKind series, Zeno bears a resemblance to its more primitive namesake. It has the same robot body with a disconcertingly human-like head on top, but the features have a less cartoon-like exaggeration about them. Zeno's head is made out of a material that Hanson Robotics calls “Frubber,” which it claims allow human-like expressions - although, the video suggests not necessarily a great range of them with movement apparently limited to the lips and the blinking of the eyes.

The video’s purpose isn’t so much to sell Zeno to the public as to raise venture capital for Hanson by showing off the robot’s various features. The new version of Zeno, which is manufactured in China, now stands 27-inches (67 cm) tall and, where the previous one was controlled wirelessly by a PC, this one carries its computer and AI software internally. It has a pair of high definition cameras behind the eyes for facial recognition and the body has 37 degrees of movement – the most of any Hanson robot so far.

Zeno’s open-platform software allows for custom tinkering by the purchaser, but the robot is currently programmed for a number of functions as well as speaking 26 languages. In the video, it asserts that it can carry on “conversations” and show “compassion.” It can also “deliver education curricula,” provide autism treatment therapy and can answer questions. It demonstrated the last of these by fielding spoken questions on astronomy, sports and films.

Zeno will be joined by a “female” counterpart called Alice in August of 2012. Neither, however, will be selling for the US\$300 that Hanson had hoped for five years ago. Though no price has been set, current Hanson RoboKind robots are valued on its website at up to US\$16,750. However, the company is still keen on breaking into the mass market and plans to roll out smaller, cheaper "cousins" for Zeno sometime in 2013.

## **Facebanx launches online face recognition technology**

**B.GOWTHAM PATEL**

**III-BCA-C.**

April 24, 2013 - British company, Facebanx has launched a new online facial recognition technology that it says will enable banks, payment processors and ID verification companies to reduce fraud.



“Our product has been specifically designed for the online payments industry and provides a unique solution for processors to share data to combat multiple acts of fraud,” Matthew Silverstone, CEO of Facebanx said. “We are currently in discussions with a number of processing companies, banks and merchants as well as the insurance industry about adding our software to their CRM.”

Facebanx works by having users add their own face to their account through the camera on their computer; smartphone or tablet and then the software compare the facial image against a database of faces to identify possible fraud. Images are recorded through a video stream, which allows the software to take multiple images throughout the recording to confirm that the person is real, and not just a photograph.

In one of the most dramatic product videos I’ve ever seen, two friends drinking beer and a live chat assistant show the process for enrolling a face to a profile, and show how fraudsters could get caught using the system. The video is available on the company’s website.

Considering that facial recognition uses increasingly accessible technology (ie, webcams and smartphones), it is a popular choice for agencies looking to eliminate fraud.

Reported previously in BiometricUpdate.com, the Irish Department of Social Protection has initiated a contract with 3M Ireland to deploy facial recognition technology in an attempt to curd welfare fraud.

According to a recent Markets and Markets report, the markets for gesture recognition technologies and touchless sensing are poised for significant growth. Specifically, the report notes that the U.S. is the fastest growing region for the touchless biometric market and that for facial recognition, government applications are expected to dominate for the next five years.

## **WAY TO REMOVE A VIRUS FROM COMPUTER OR PENDRIVE W/O ANY SOFTWARE**

**R.NITHYA**

**II-BCA-E**

If your computer affected by virus means it will also affect the folders. Then the folders become shortcut. We cannot view or open the files those folders. For this problem there is a way to remove the shortcut.

### **THE STEPS ARE:**

- \* Click on “Start Button”....



- \* Then Click Run....
- \* Type cmd and click on ok.
- \* So assume your pendrive letter as K:
- \* Enter the required comment:

Attrib-h-r-s\s\s\d k:\\*.\*

- \* If you want you can copy this command and then right click and paste it in the command prompt.

**NOTE:**

- ❖ Make sure that you change the letter “K” with pendrive letter.
- ❖ Now press Enter.
- ❖ That’s it you have removed the virus without any software.

**LIST OF CHIEF EXECUTIVE OFFICERS**

**P.ANANTHAKUMAR**

**FINAL-BCA”B”**



COMPANY	CEO NAME	POSTING	YEAR
Accenture	Pierre Nanterme	CEO	2011
Aditya Birla Group	Kumar Birla	CHAIRMAN	1995
Adobe Systems	Shantanu Narayen	PRESIDENT AND CEO	2007
Agenus	Garo H. Armen	FOUNDER, CHAIRMAN, CEO	1994
American International Group	Bob Benmosche	CEO	2009
Altria Group	Michael Szymanczyk	CHAIRMAN AND CEO	2008

Amazon.Com	Jeff Bezos	FOUNDER, PRESIDENT, CEO, AND CHAIRMAN	1994
Analog Devices	Jerald G Fishman	CEO AND PRESIDENT	1996
Anil Dhirubhai Ambani Group	Anil Ambani	CHAIRMAN	1983
Apple Inc.	Tim Cook	CEO	2011
At&T Inc.	Randall L. Stephenson	CHAIRMAN, CEO AND PRESIDENT	2007
Bank Of America	Brian Moynihan	PRESIDENT AND CEO	2009
Barclays	Antony Jenkins	CHAIRMAN	2012
Berkshire Hathaway	Warren Buffett	CHAIRMAN AND CEO	1970
Best Buy	Brian J. Dunn	CEO	2009
Blackstone Group	Stephen A. Schwarzman	CHAIRMAN, CEO AND CO-FOUNDER	1985
Bmw	Norbert Reithofer	CHAIRMAN OF THE BOARD OF MANAGEMENT	2006
Boston Consulting Group	Hans-Paul Bürkner	PRESIDENT AND CEO	2003
Bp	Bob Dudley	CEO	2010
Cargill	Gregory R. Page	PRESIDENT AND CEO	2007
Cavium Networks	Syed B. Ali	CEO	2008
Cbs Corporation	Leslie Moonves	CEO	2009
Coca-Cola	Muhtar Kent	CHAIRMAN AND CEO	2008
Computer Sciences Corporation	John Michael Lawrie	CEO	2012
Continental Airlines	Jeff Smisek	CEO	2008
Cvs Caremark	Thomas Ryan	CEO	
Dell Inc	Michael Dell	CEO	
General Dynamics	Nicholas Chabraja	CEO	2012
General Motors	Daniel Akerson	CEO	2010
Google	Larry Page	CEO	
Gma Network	Felipe Gozon	CEO	2008

Hcl Technologies	Vineet Nayar	CEO	2013
Hdfc	Aditya Durai	CEO	2013
Hp Hood Llc	John A. Kaneb	CEO	
Hsbc	Stuart Gulliver	CEO	2008
Ibm	Virginia M. Rometty	CEO	2007
Ibm	Samuel J.Palmisno	CEO	2013
Ikea	Mikael Ohlsson	CEO	2010
Inchcape Plc	André Lacroix	CEO	
Infosys	Nr Narayana Murthy	CEO	2013
Infosys Technologies Limited	S.D. Shibulal	CEO	2008
Infosys Techonology	Nandan Nilekani	CEO	2013
Lic	Ts.Vijayan	CEO	2013
Icici	Chanda Kochar	CEO	2013
Intel	Paul Otellini	CEO	2005
Intercall	Scott Etzler	PRESIDENT AND CEO	1999
Itc Limited	Y C Deveshwar	CEO AND CHAIRMAN OF THE BOARD	1996
J.Crew	Millard Drexler	CEO	2003
Jefferies & Company	Richard B. Handler	CHAIRMAN, CEO, AND PRESIDENT	2001
Juniper Networks	Kevin Johnson	CEO	2008
Larsen & Toubro Limited	A M Naik	CEO	
Lockheed Martin	Robert Stevens	CEO	2008
Lpk	Jerry Kathman	CEO	2010
Mahindras & Technology	Anand .G Mahindra	CEO	2013
Mesa Air Group	Jonathan Ornstein	CEO	
Metlife	C. Robert Henrikson	CEO	
Mga Entertainment	Isaac Larian	CEO	



Microsoft	Steven Anthony Ballmer	CEO	2013
Mile High Comics	Chuck Rozanski	CEO	
Morgan Stanley	James P. Gorman	CEO	2010
Motorola	Greg Brown	CEO	
Mozilla	Mitchell Baker	CEO	2013
Mysql AB	Marten Mickos	CEO	2013
Myspace	Chris Dewolfe	CEO	2010
Nation Media Group	Wilfred Kiboro	CEO	1993
National Amusements	Sumner Redstone	CEO	2010
Nbcuniversal	Jeff Zucker	CEO	2012
Newlog	Yochanan Vollach	CEO	2011
News Corporation	Keith Rupert Murdoch	CEO	2008
New York Times Company	Janet L. Robinson	CEO	2010
Niit	Vijay K. Thadani	CEO	1997
Nike	Mark Parker	CEO	2008
Nissan	Carlos Ghosn	CEO	
Nokia	Stephen Elop	CEO	2010
Office Depot	Steve Odland	CEO	
Oxford Sustainable Group	Hadley Barrett	CEO	2010
Oracle Corporation	Larry Ellison	CEO	2013
Orascom Telecom Holding	Naguib Sawiris	CEO	1995
Outback Steakhouse	Chris T. Sullivan	CEO	2008
Igate Patni	Gerhard Watzinger	CEO	2010
Pepsico	Indra Nooyi	CEO	2008
Punjab National Bank	K.R.Kamnath	CEO	2013
Qantas Airways Limited	Alan Joyce	CEO	2007
Reliance Industries	Mukesh Ambani	CEO	2008

Limited			
Renault	Carlos Ghosn	CEO	2007
Rite Aid Corporation	Mary Sammons	CEO	2007
Rocawear	Jay-Z	CEO	2009
S. C. Johnson & Son	Herbert Fisk Johnson Iii	CEO	2006
Samsung	Kun-Hee Lee	CEO	2004
Sap Ag	Bill Mcdermott	CEO	2010
Sas Institute	James Goodnight	CEO	2013
Singtel	Chua Sock Koong	CEO	2010
Sbi	Op Bhatt	CEO	2013
Sirius Satellite Radio	Mel Karmazin	CEO	2012
Softbank	Masayoshi Son	CEO	2013
Southwest Airlines	Gary C. Kelly	CEO	2013
Sonic Corporation	J. Clifford Hudson	CHAIRMAN AND CEO	2013
Sony Corporation	Kazuo Hirai	PRESIDENT AND CEO	2012
Sony Computer Entertainment	Andrew House	PRESIDENT AND CEO	2011
Sun Microsystems	Jonathan I. Schwartz	CEO	2013
Syntel Inc.	Bharat Desai	CEO	2013
Tata Steel	B Muthuraman	CEO	2008
Tata Steel	Ratan Data	PRESIDENT AND CEO	2013
Tcs	S. Ramadurai	CEO	2013
Tvs Motors	Venu Srinivasan	CEO	2013
Toyota	Hiroshi Okuda	CEO	2011
Toys For Bob	Paul Reiche Iii	CEO	2011
Us Airways	Doug Parker	CEO	2011
United Parcel Service	D. Scott Davis	CEO	2011
Vodafone	Vittorio Colao	CEO	2011
Wipro	T K Kurien	CEO	2011

Technologies Limited			
Wipro	Azim HASHAM PREMJI	CEO	2013
Yahoo!	Marissa Mayer	CEO	2012
Yahoo!	Carol Bartz	CEO	2013

### Keyboard Shortcuts for Windows 8

**R.BHUVANESWARAN,**

**FINAL –BCA-D.**



<b>Keystroke</b>	<b>Function</b>
win + E	Open Computer
win + R	Open the Run dialog box
win + U	Open Ease of Access Center
win + Ctrl + F	Open Find Computers dialog box
win + Pause/Break	Open the System page
win 10	Launch a program pinned on the Taskbar in the position indicated by the number Or, access a running program on the Taskbar in the position indicated by the number
win + Shift + 1..10	Launch a new instance of a program pinned on the Taskbar in the position indicated by the Number

win + Ctrl + 1..10	Access the last active instance of a program pinned on the Taskbar in the position indicated by the number
win + Alt + 1..10	Access the Jump List of a program pinned on the Taskbar in the position indicated by the Number
win + B	Select the first item in the Notification Area and then use the arrow keys to cycle through the items Press Enter to open the selected item
win + Ctrl + B	Access the program that is displaying a message in the Notification Area
win + T	Cycle through the items on the Taskbar
win + M	Minimize all windows
win + Shift + M	Restore all minimized windows
win + D	Show/Hide Desktop (minimize/restore all windows)
win + L	Lock computer
win + Up Arrow	Maximize current window
win + Down Arrow	Minimize/restore current window
win + Home	Minimize all but the current window
win + Left Arrow	Tile window on the left side of the screen
win + Right Arrow	Tile window on the right side of the screen
win + Shift + Up Arrow	Extend current window from the top to the bottom of the screen
win + Shift + Left/Right Arrow	Move the current window from one monitor to the next
win + F1	Launch Windows Help and Support
Alt	Display a hidden Menu Bar
Alt + D	Select the Address Bar
Alt + P	Display the Preview Pane in Windows Explorer
Alt + Tab	Cycle forward through open windows
Alt + Shift + Tab	Cycle backward through open windows

<b>Keystroke</b>	<b>Function</b>
	Switch between Metro Start screen and the last accessed application
win+ C	Access the charms bar
win+ Tab	Access the Metro Taskbar
win+ I	Access the Settings charm
win + H	Access the Share charm
win + K	Access the Devices charm
win + Q	Access the Apps Search screen
win + F	Access the Files Search screen
win + W	Access the Settings Search screen
win + P	Access the Second Screen bar
win + Z	Brings up the App Bar when you have a Metro App running
win + X	Access the Windows Tools Menu
win + O	Lock screen orientation
win + .	Move the screen split to the right
win + Shift + .	Move the screen split to the left
win + V	View all active Toasts/Notifications
win + Shift + V	View all active Toasts/Notifications in reverse order
win + PrtScn	Takes a screenshot of the screen and automatically saves it in the Pictures folder as Screenshot (#)—incrementing the # with each successive

	screenshot
+ Enter	Launch Narrator
PageUp	Scroll forward on the Metro Start screen
PageDown	Scroll backward on the Metro Start screen
Esc	Close a charm
Ctrl + Esc	Switch between Metro Start screen and the last accessed application
Ctrl + Mouse scroll wheel	Activate the Semantic Zoom on the Metro screen

<b>Keystroke</b>	<b>Function</b>
Alt + F4	Close the current window
Alt + Spacebar	Open the Shut Down Windows dialog box from the Desktop Access the Shortcut menu for current window
Alt + Esc	Cycle between open programs in the order that they were opened
Alt + Enter	Open the Properties dialog box of the selected item
Alt + PrtScn	Take a screen shot of the active Window and place it in the clipboard
Alt + Up Arrow	Move up one folder level in Windows Explorer (Like the Up Arrow in X)
Alt + Left Arrow	Display the previous folder
Alt + Right Arrow	Display the next folder
Shift + Insert CD/DVD	Load CD/DVD without triggering Autoplay or Autorun
Shift + Delete	Permanently delete the item (rather than sending it to the Recycle Bin)
Shift + F6	Cycle backward through elements in a window or dialog box

Shift + F10	Access the context menu for the selected item	
Shift + Tab	Cycle backward through elements in a window or dialog box	
Shift + Click	Select a consecutive group of items	
Shift + Click on a Taskbar button	Launch a new instance of a program	
Shift + Right-click on a Taskbar button	Access the context menu for the selected item	
Ctrl + A	Select all items	
Ctrl + C	Copy the selected item	
Ctrl + X	Cut the selected item	
Ctrl + V	Paste the selected item	
Ctrl + D	Delete selected item	
Ctrl + Z	Undo an action	
Ctrl + Y	Redo an action	
Ctrl + N	Open a new window in Windows Explorer	
Ctrl + W	Close current window in Windows Explorer	
Ctrl + E	Select the Search box in the upper right corner of a window	
Ctrl + Shift + N	Create new folder	
Ctrl + Shift + Esc	Open the Windows Task Manager	
Ctrl + Alt + Tab	Use arrow keys to cycle through open windows	
Ctrl + Alt + Delete	Access the Windows Security screen	

## Get Android Notifications on your Computer Screen

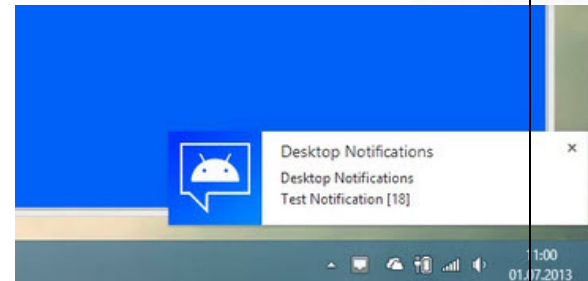
S.Prema,

Assistant Professor

Department of Computer Applications



For all those people who find it very hard to stay away from their phone even for a minute, this article will be really helpful. How many times does it happen to you that you forget your phone at home? Well that's very common with everyone and we tend to miss our phone somewhere and feel that if we are missing on some important calls and notifications. Here is a solution to this, with the Android app called as **Desktop Notifications** you can now display the notifications right on your **computer screen**. That's right; you won't need to check your phone again and again as you will get the android notifications right on your computer desktop screen. Be it the missed call notification, text, email or anything, if your phone has got it then your computer has got it too.



### **How Desktop Notification works:**

- You first need to install this app from the app store (links provided at the bottom) and install the browser extensions too in your computer. Chrome users [click here](#) and Firefox users [click here](#).
- Now you need to enable the app in your phone from the **Accessibility** button in the Settings. It will generate a code that you need to enter in your computer browser to pair both of them.
- Click on the browser extension installed, and enter the code to pair them.



- That's it. Now whenever your phone will receive any notification you don't need to



check it again and again for it, as you can see it right in front of you while working in office.

It is interesting to note here that the notifications on your desktop will not result in any action as they are just notifications which means you won't be able to reply to any notification from your computer and you need your phone for that purpose.

I would also suggest you to configure the app in your phone before using so that it works as per your needs like display either only the title or the title with the message contents.

### **Steps to Remove Trojan.Agent Virus**

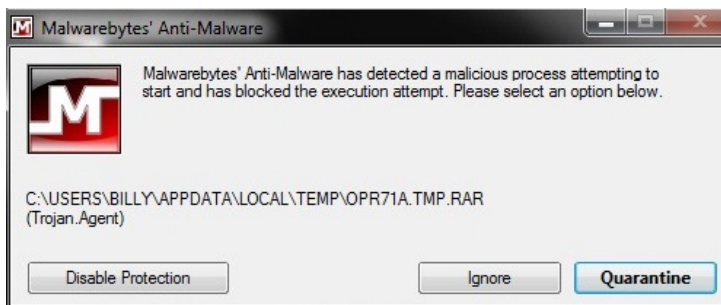
**C.GnanaSekaran**

**II-B.Sc (CS)-“A”**

Recently my computer was infected by the Virus called **Trojan.Agent**. This is a virus type that belongs to the Trojan virus family. The virus is mostly found in the **svchost.exe** file of the computer. It is a very potential virus and should be removed as soon as you detect it.

How to detect if your system has Trojan.Agent Virus?

- The weirdest thing that you will notice is that your Anti Virus would stop functioning. This virus has the ability to stop the AV from its proper functioning.
- Your system will get severely affected and would get extremely slow for no reasons.
- You might see some unexpected computer shutdowns or restarts.



- Then when if you scan your system with Mbam (highly advisable tool to have in the system), it will detect it and might delete it. But do note that Trojan.Agent virus might return back after the computer has been restarted.

- The virus can act as backdoor agent to many hackers to provide some confidential information.

### **How to remove Trojan.Agent Virus from the computer?**

Removing Trojan.Agent virus from the system is not that difficult and requires sort of



same steps that we most times perform to remove a malware.

1. First of all reboot the system to enter into the Safe Mode.
2. When in Safe Mode, run the Task Manager and terminate the process named as **random.exe**. This process is related to Trojan.Agent virus and termination is important as this will ensure that it is not running in the background.
3. Now we need to remove the virus from the system. This can be done manually and using a scanner. I would prefer both (please note that if you are unsure of the manual process, then do not proceed further as it might affect the system adversely).
4. So scan the system with Malwarebytes AntiMalware Mbam. If this finds the virus, quarantine it.
5. You also need to delete the following files (whichever you can find)

C:\windows\system32\Svchost.exe

C:\Windows\winsxs\amd64\_microsoft-windows-s..s-service\controller\_31bf3892wo9a07b1\services.exe

C:\Windows\Installer\{bbee3ba2-89af-930c-bb78-1fb4e17db3cc}

6. Now we need to delete the following registry keys too (again whichever you can find)

HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Windows\CurrentVersion\Run\Random.exe

HKCU\SOFTWARE\Microsoft\Windows\CurrentVersion\Run\Random.exe

HKEY\_LOCAL\_MACHINE\software\microsoft\windows\currentversion\policies\explorer "EnableShellExecuteHooks"= 1 (0x1)

HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\ Explorer\run\Random.exe

A system restart might have solved the problem for you and the Trojan.Agent virus should not be there.

## Mailing List



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- **Mr. Rajesh Damodharan, Advisory Project Manager , IBM IndiaPrivateLimited,Bangalore.**
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Art by

**Karuppusamy.M**

**II-BCA-“C”**



## Anand Mahindra

born on 1 May 1955

Chairman and Managing Director of Mahindra & Mahindra.

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