## 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. We are proud to release the golden jubilee 50th edition of Ishare. 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 cover up interview tips and QR code generator. We have also provided tips and tricks regarding internet explorer. We are grateful to all the contributors to this magazine. We would be very pleased to receive your feedbacks. Please send your feed backs to ksrcas.ishare@gmail.com

By,

Editorial Board

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# Access Windows Desktop icons without minimizing anything

## S.Naveen Kumar II B.Sc.CS

If you keep your most frequently used files and shortcuts on the Desktop, you can quickly access those icons by adding a Desktop Toolbar to your Windows Taskbar by following the below steps.

1. Right-click on the Windows Taskbar.
2. Click Properties.
3. In the Taskbar and Start menu Properties Window, as shown below, click the Toolbars tab.
4. In the Toolbars tab check the Desktop checkbox and click Apply.
5. Once the above steps have been completed you should have a Desktop option by the Windows Notification area of your Taskbar, which is also shown at the bottom of the below picture.
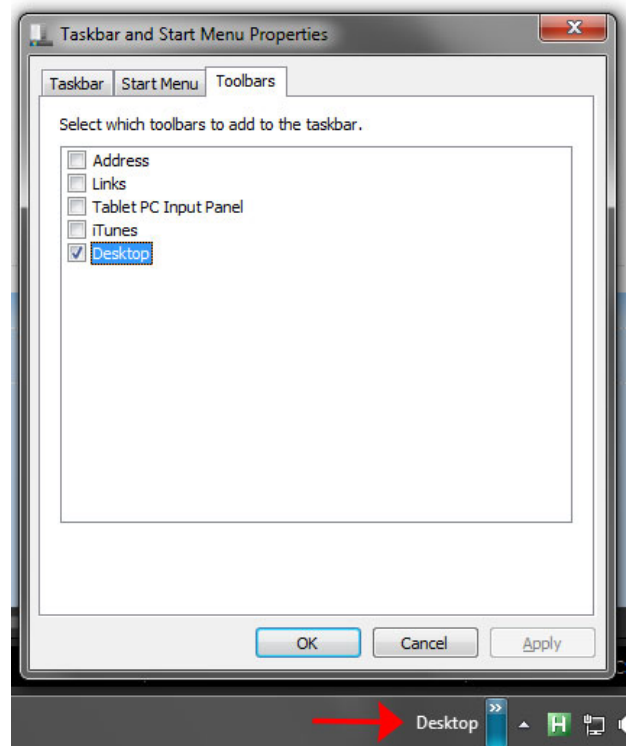
After the above steps have been completed, click the chevron arrows next to Desktop will display all shortcuts and files stored on the Desktop.

# Top 10 unknown Google tricks

## D.Kavin Kumar II B.Sc CS

Below is a list of our top ten Google tricks many people who use Google don't know about.

## Definitions

Pull up the definition of the word by typing define followed by the word you want the definition for. For example, typing: **define bravura** would display the definition of that word.

## Local search

Visit Google Local enter the area you want to search and the keyword of the place you want to find. For example, typing: **restaurant** at the above link would display local restaurants.

## Phone number lookup

Enter a full phone number with area code to display the name and address associated with that phone number.

## Find weather and movies

Type "weather" or "movies" followed by a zip code or city and state to display current weather conditions or movie theaters in your area. For example, typing **weather 84101** gives you the current weather conditions for Salt Lake City, UT and the next

four days. Typing **movies 84101** would give you a link for show times for movies in that area.

## Track airline flight and packages

Enter the airline and flight number to display the status of an airline flight and it's arrival time. For example, type: **delta 123** to display this flight information if available.

Google can also give a direct link to package tracking information if you enter a UPS, FedEx or USPS tracking number.

## Translate

Translate text, a full web page, or search by using the **Google Language Tools**.

## Pages linked to you

See what other web pages are linking to your website or blog by typing link: followed by your URL. For example, typing **link:http://www.computerhope.com** displays all pages linking to Computer Hope.

## Find PDF results only

Add filetype: to your search to display results that only match a certain file type. For example, if you wanted to display PDF results only type: **"dell xps" filetype:pdf** -- this is a great way to find online manuals.

## Calculator

Use the Google Search engine as a calculator by typing a math problem in the search. For example, typing: **100 + 200** would display results as 300.

## Stocks

Quickly get to a stock quote price, chart, and related links by typing the stock symbol in Google. For example, typing: **msft** will display the stock information for Microsoft.

# Cleaning the computer and its components
## S.Prema,Lecturer
## Department of CS.KSRCAS

Cleaning your computer and your computer components and peripherals helps keep the components and computer in good working condition and helps keep the computers from spreading germs. To the right is an example image of how dirty the inside of your computer case can get. This example is a dirty computer case fan.

Depending on the environment that your computer operates in determines how often you should clean your computer case. The below list is our recommendation and may change depending upon your computer's environment.

### General cleaning Tips

Below is a listing of general tips that should be taken when cleaning any of the components or peripherals of a computer as well as tips to help keep a computer clean.

1. Never spray or squirt any liquid onto any computer component. If a spray is needed, spray the liquid onto a cloth and then use that cloth to rub down the component.
2. You can use a vacuum to suck up dirt, dust, or hair around the computer on the outside case. However, **do not** use a vacuum for the inside of your computer as it generates a lot of static electricity that can damage the internal components of your computer. If you need to use a vacuum to clean the inside of your computer, use a portable battery powered vacuum designed to do this job or try using compressed air.
3. When cleaning a component or the computer, turn it off before cleaning.
4. Be cautious when using any cleaning solvents; some individuals may have allergic reactions to chemicals in cleaning solvents and some solvents can even damage the case. Try to always use water or a highly diluted solvent.
5. When cleaning, be careful not to accidentally adjust any knobs or controls. In addition, when cleaning the back of the computer, if anything is plugged in, make sure not to disconnect any of the plugs.
6. When cleaning fans, especially the smaller fans within a portable computer or laptop it's suggested that you either hold the fan or place something in-between the fan blades to prevent it from spinning. Spraying compressed air into a fan or cleaning a fan with a vacuum may cause damage or back voltage to be generated.
7. Never eat or drink around the computer.
8. Limit smoking around the computer.

## Cleaning tools

Although many companies have created products to help improve the process of cleaning your computer and peripherals, users can also use household items to clean their computers and peripherals. Below is a listing of items you may need or want to use while cleaning your computer or computer peripherals.

Keep in mind that some components in your computer may only be able to be cleaned using a product designed for cleaning that component; if this is the case, it will be mentioned in the cleaning tips.

- **Cloth** - A cloth is the best tool used when rubbing down a component; although paper towels can be used with most hardware, we recommend using a cloth when ever possible. **Caution:** We only suggest you use a cloth when cleaning components such as the outside of the case, a drive, mouse, etc. You should not use a cloth to clean any circuitry such as the RAM or motherboard since they can generate ESD that can damage electronics.
- **Water or rubbing alcohol** - When moistening a cloth, it is best to use water or rubbing alcohol. Other solvents may be bad for the plastics used with your computer.
- **Portable Vacuum** - Sucking the dust, dirt, hair, cigarette particles, and other particles out of a computer can be one of the best methods of cleaning a computer. Over time, these items can restrict the airflow in a computer and cause circuitry to corrode. Do not use a standard vacuum as it can generate a lot of static electricity that can damage your computer.
- **Cotton swabs** - Cotton swaps moistened with rubbing alcohol or water are excellent tools for wiping hard to reach areas in your keyboard, mouse, and other locations.
- **Foam swabs** - Whenever possible, it is better to use lint-free swabs such as foam swabs.

## Case cleaning

**Why?** Keeps the appearance of the computer looking new. During cleaning, if ventilation locations are found, these can be cleaned helping the case keep a steady airflow to the computer, keeping components cool and in good working condition.

**Procedure:** The plastic case that houses the PC components can be cleaned with a lint-free cloth that has been slightly dampened with water. For stubborn stains, add a little household detergent to the cloth. It is recommended that you never use a solvent cleaner on plastics.

Make sure all vents and air holes are hair and lint free by rubbing a cloth over the holes and vents. It is also helpful to take a vacuum around each of the hole, vents, and crevices on the computer. It is safe to use a standard vacuum when cleaning the outside vents of a computer; however, if you need to clean the inside of the computer, use a portable battery powered vacuum to prevent static electricity.

If you are looking for steps on cleaning the inside of the computer, see the motherboard cleaning section.

## CD-ROM, DVD, and other disc drive cleaning

**Why?** A dirty CD-ROM drive or other disc drives can cause read errors when reading discs. These read errors could cause software installation issues or issues while running the program.

**Procedure:** To clean the CD-ROM drive we recommend purchasing a CD-ROM cleaner from your local retailer such as a local Radio Shack. Using a CD-ROM cleaner should sufficiently clean the CD-ROM laser from dust, dirt, and hair.

In addition to cleaning the drive with a special disc designed to clean drives users can also use a cloth dampened with water to clean the tray that ejects from the drive. Make sure however that after the tray has been cleaned that it completely dry before putting the tray back into the drive.

See the CD cleaning recommendation for further steps on cleaning each of your CDs.

## CD and DVD disc cleaning

**Why?** Dirty CDs can cause read errors or cause CDs to not work at all.

**Procedure:** Cleaning CDs and DVDs should be done with a cleaning kit but can also be done with a normal clean cotton cloth or shirt. When doing this with a clean cotton cloth or shirt, wipe against the tracks, starting from the middle of the CD or DVD and wiping towards the outer side as shown in the below picture. Never wipe with the tracks; doing so may put more scratches on the disc.



Cleaning a CD / DVD disc

http://www.computerhope.com

It is recommended when cleaning a CD that water is used. However, if the substance on a CD cannot be removed using water, pure alcohol can also be used.

## Hard drive cleaning

**Why?** While hard drives cannot be cleaned physically, they can be cleaned with various utilities on the computer to help it run fast and more efficiently. Utilizing these utilities will prevent the hard drive from slowing down.

**Procedure:** Refer to our basic troubleshooting section for your operating system for steps that can be done to help improve the performance of your computer.

## Headphones cleaning

**Why?** Headphones that are used by multiple people may need to be cleaned frequently to help prevent the spreading of germs and head lice.

**Procedure:** If the headphones being used are plastic or vinyl, moisten a cloth with warm water and rub the head and earpieces of the headphones. As mentioned earlier in our cleaning tips, it is recommended that if your headphones are being used for a library or school that you do not use any disinfectant or cleaning solvent as users may have allergic reactions to the chemicals they contain.

Headphones that have cushions also have the availability of having the cushions replaced. Replacing these cushions can also help keep the headphones clean.

Finally, in regards to headphones and the spreading of head lice, if multiple students are using your headphones, you should consider having the students use their own headphones, using bags that are placed over the headphones, or having headphones that can be wiped with warm water after each student has used the headphones.

## Keyboard cleaning

The below steps are for cleaning a standard desktop keyboard. See the cleaning a laptop keyboard page for steps if you have a laptop.

### Dust, dirt, and bacteria

The computer keyboard is often the most germ infected items in your home or office, often it will contain more bacteria than your toilet seat. Cleaning it can help remove any dangerous bacteria. Dirt, dust and hair can also build up causing the keyboard to not function properly.

**Procedure:** Before cleaning the keyboard first turn off the computer or if you're using a USB keyboard unplug it. Not unplugging the keyboard can result in causing other computer problems as you may press keys that cause the computer to perform a task you don't want it to do.

Many people clean the keyboard by turning it upside down and shaking. A more effective method is to use compressed air. Compressed air is pressurized air contained in a can with a very long nozzle. aim the

air between the keys and blow away all of the dust and debris that has gathered there. A vacuum cleaner can also be used, but make sure the keyboard doesn't have loose "pop off" keys that could possibly be sucked up by the vacuum.

If you wish to clean the keyboard more extensively you'll need to remove the keys from the keyboard.

After the dust, dirt, and hair has been removed. Spray a disinfectant onto a cloth or use disinfectant cloths and rub each of the keys on the keyboard. As mentioned in our general cleaning tips, never spray any liquid onto the keyboard.

**Substance spilt into the keyboard**

If the keyboard has anything spilt into it (e.g. pop, cola, Pepsi, Coke, beer, wine, coffee, milk, etc.), not taking the proper steps can cause the keyboard to be destroyed.

**Procedure:** Below are a few recommendations to help prevent a keyboard from becoming bad once a substance has been spilt within it.

If anything is spilt onto the keyboard turn the computer off immediately or at the very least disconnect it from the computer. Once done flip the keyboard over helping to prevent the substance from penetrating circuits. While the keyboard is upside down, shake the keyboard over a surface that can be cleaned later. While still upside down, use a cloth to help clean out what can be reached. After cleaned to the best of your ability leave the keyboard upside down for at least one night allowing it to dry. Once dry, continue cleaning the keyboard with any remaining substance.

If after cleaning the keyboard you have keys that stick remove the keys and clean below the keys and the bottom portion of the key.

Finally, if the keyboard still works but remains dirty or sticky before discarding the keyboard as a last resort try washing the keyboard in the dishwasher.

If after doing all the above steps the keyboard does not function properly or at all it's recommended you buy a new keyboard.

## LCD cleaning

**Why?** Dirt, dust, and finger prints can cause the computer screen to be difficult to read.

**Procedure:** Unlike a computer monitor, the LCD or flat-panel display is not made of glass, therefore requires special cleaning procedures.

When cleaning the LCD screen it is important to remember to not spray any liquids onto the LCD directly, press gently while cleaning, and do not use a paper towel as it may cause the LCD to become scratched.

To clean the LCD screen we recommend that you use a non-rugged microfiber cloth, soft cotton cloth, or Swiffer duster. If a dry cloth does not completely clean the screen, you can apply rubbing alcohol to the cloth and wipe the screen with the damp cloth. Rubbing alcohol is used to clean the LCD before it leaves the factory.

## Monitor cleaning

Tip: This section is for computer monitors if you have a LCD or flat-panel see the LCD cleaning section.

**Why?** Dirt, dust, and fingerprints can cause the computer screen to be difficult to read.

**Procedure:** The glass monitor screen can be cleaned with ordinary household glass cleaner*. Be sure to remove power from the monitor and spray the cleaner onto a lint free-cloth so the fluid doesn't leak into the electrical components inside the monitor. Vacuum off any dust that

has settled on top of the monitor, and make sure no books or papers have been placed on the air vents. Obstructed monitor vents can cause the monitor to overheat or even catch on fire.

**Caution:** We suggest using a cloth dampened with water when cleaning monitor on a screen that is not made of glass or has any anti-glare protection on the screen. Using ordinary household glass cleaner on special screens, especially cleaners with ammonia can remove anti-glare protection or other special surfaces.

## Other good cleaning solutions

- Microfiber Towels
- Swiffer Dusters

## Motherboard cleaning

**Why?** Dust and especially particles of cigarette smoke can build up and corrode circuitry causing various problems such as computer lockups

Caution: When inside the computer take the necessary ESD precautions and try to avoid unplugging any cables or other connections.

**Procedure:** Our recommendation when cleaning the motherboard from dust, dirt, or hair is to use compressed air. When using compressed air, hold it in the up-right position; otherwise, it is possible chemicals may come out of the container that could damage or corrode the Motherboard or other component within the computer. Also, ensure when using compressed air that you always blow the dust or dirt away from the motherboard, or out of the case.

Another good alternative to compressed air is to use a portable battery powered vacuum that can effectively remove the dust, dirt, and hair from the motherboard completely and prevent it from getting trapped within the case. However, do not use a standard electricity powered vacuum as it can cause a lot of static electricity that can damage the computer. When using the vacuum it is vital that you stay a couple inches away

from the motherboard and all other components to help prevent contact as well as to help prevent anything from being sucked into the vacuum. Ensure that you do not remove any small components with the vacuum such as jumpers.

Tip: When cleaning the inside of the case also look at any fans or heat sinks. Dust, dirt, and hair collects around these components the most.

## Mouse cleaning

**Why?** A dirty optical-mechanical mouse (mouse with a ball) can cause the mouse to be difficult to move as well as cause strange mouse movement.

**Procedure:** To clean the rollers of an optical-mechanical mouse, you must first remove the bottom cover of the mouse. To do this, examine the bottom of the mouse to see what direction the mouse cover should be rotated. As you can see in the below illustration, the mouse cover must be moved counter clockwise. Place two fingers on the mouse cover and push the direction of the arrows.

Once the cover has rotated about an inch, rotate the mouse into its normal position, covering the bottom of the mouse with one hand and the bottom should fall off including the mouse ball. If this does not occur, attempt to shake the mouse gently.

Once the bottom cover and the ball are removed, you should be able to see three rollers located within the mouse. Use a cotton swab, finger, or fingernail to remove any substance. Usually, there will be a small line of hair and dirt in the middle of the roller, remove as much as this substance as possible.

Once you have removed as much dirt and hair as possible, place the ball back within the mouse and place the cover back on.

If the mouse still appears to be having the same issue, repeat the above process; if after several attempts the mouse is still having the same

issues, it's likely that your mouse has other hardware issues and we recommend that it be replaced.

**Note:** Cleaning your mouse pad with a damp cloth can also help improve a computer's mouse movement.

**Why?** To help keep a mouse clean and germ free it can be helpful to clean the mouse.

**Procedure:** Use a cloth moistened with rubbing alcohol or warm water and rub the surface of the mouse and each of its buttons.

## Printer cleaning

**Why?** Cleaning the outside of a printer can help keep the printer's appearance looking good; and in the case of a printer that is used by many different people, keep the printer clean of germs.

**Procedure:** First, make sure to turn off the printer before cleaning it. Dampen a cloth with water or rubbing alcohol and wipe the case and each of the buttons or knobs on the printer. As mentioned earlier, never spray any liquid directly onto the printer.

**Why?** With some printers it may be necessary to clean the inside of the printer to help keep the printer running smoothly.

**Procedure:** Because of how many different printers there are, steps in cleaning printers, and printer manufacturer policies on cleaning the inside of the printer, we recommend you obtain the printer cleaning steps from your printer manufacturer.

## Scanner cleaning

**Why?** Flatbed scanners commonly become dirty with dust, fingerprints, and hair. When a scanner is dirty, the images may have distortions.

**Procedure:** Clean a flatbed scanner's surface by spraying a window cleaner onto a paper towel or cotton cloth and wipe the glass until clean. As mentioned earlier, never spray a liquid directly onto the component.

To clean the outside of the scanner, the same towel or cotton cloth can be used.

## Miscellaneous cleaning steps

Below are a listing of miscellaneous computer hardware that is rarely used today, but kept on this page for the few people who are working on older computers and need to clean these devices.

## Floppy drive cleaning

**Why?** Dirty read/write heads on the floppy drive can cause errors during the reading or writing process.

**Procedures:** The floppy drive can be cleaned two different ways. The first method of cleaning a floppy drive, and our recommended method, is to purchase a kit at your local retail store designed to clean the read/write heads on your floppy drive.

The second method of cleaning the floppy drive is only recommended for experienced computer users. Open the floppy drive casing and physically swab the read/write heads with a lint-free foam swab soaked in pure alcohol, free-on, or trichloroethane. When performing these steps, be extremely careful when cleaning the heads to ensure that you do not lock them out of alignment causing the floppy drive to not work. To help prevent the heads from becoming out of alignment, use a dabbing motion lightly putting the swab on the head and removing it, do not perform a side-to-side motion with the swab.

# Top 10 Search Engines

**S. Gowri,**

**Lecturer,**

**Dept of CS, KSRCAS**

Below is the **top 10 internet search engines list**. While deciding which is the "best" search engine depends on your unique wants and needs, below is a list of popular search engines, some more unique than others.

1. **Google** - Offering everything from image searches, map searches, news searches, etc. With impressive keyword relevancy and a continuously improving search algorithm, it's easy to see why Google is still the reigning champ.
2. **Mahalo** - Mahalo is a unique 'human-powered' search engine that employs a group of editors to manually sift and organize thousands of pieces of content. Poor guys.
3. **Yahoo** - While Yahoo has been suffering as of late, it's still a classic and a popular search engine.
4. **Bing** - The Microsoft powered search engine prides itself on being a "decision engine" by offering search suggestions on the side column and providing extra search options.
5. **Ask** - Clean layout and handy results grouping.
6. **AOL** Search - AOL continues to be used, primarily by people who still use AOL. They're out there somewhere.
7. **Blekko** - Blekko's clean, minimalist layout is easy to navigate, and /tags allow for grouping searches.
8. **DogPile** - the once alternative to Google is getting a comeback and is a great alternative to bigger search engines.

9. **Duck Duck Go** - Doesn't track your search history and is avoids spammy sites.

10.    **The Internet Archive** - This search engine lets users travel back in time to see how web pages looked in years gone by. A very fun search engine to play around with.

# FIREFOX KEYBOARD SHORTCUTS
## BY.M.GOKUL PRIYA
## II B.SC.COMPUTER SCIENCE

Firefox is the second most popular web browser in the world and it continues to gain popularity and market share. With this rapid growth many users, especially new users, are not aware of the wide range of useful **Firefox keyboard shortcuts** available. These small combinations of keystrokes when used at the right time can be real productivity boosters. Here are **30 Firefox keyboard shortcuts** to help simplify and speed up your daily browsing. Even Firefox veterans may find these useful.

Many of the shortcuts will be a combination of keystrokes. For example "Ctrl + C" means that you should hold down the Ctrl (control) key and press the letter "C". Use the lowercase letters not uppercase, if using the shift key is need it will be indicated as "Shift".

# Page Navigation Shortcuts

These shortcuts allow you to navigate quickly around a web page, most with only a single keystroke.

- **Spacebar** — Page down one full screen at a time
- **Shift – Spacebar** — Page up one full screen at a time
- **Down Arrow** – Scroll down
- **Page Down** — Page down one full screen at a time
- **Up Arrow** –  Scroll Up
- **Page Up** — Page up one full screen at a time
- **End** – Go to the Bottom (end) of the page
- **Home** – Go to the Top of page

# Pages, Tabs and Bookmarks

These useful shortcuts help you quickly perform different common tasks within Firefox, manage Tabs and access bookmarks.

- **F5** — Reload the current page
- **Alt + Home** — Go to home page
- **Ctrl + L** — Go to the Address bar
- **Ctrl + K** — Go to the search box
- **Ctrl + =** — Increase the text size, zoom in
- **Ctrl + -** — Decrease the text size, zoom out
- **Ctrl + P** — Print the current page
- **Ctrl + H** — Opens the Browsing History in a column on the left
- **Ctrl + T** — Open a new tab
- **Ctrl + W** — Close current tab
- **Ctrl + Tab** — rotate forward to the next tab
- **Ctrl + Shft + Tab** — rotate back to the previous tab
- **Ctrl + 1-9** — Choose a number to jump to that specific tab

- **Ctrl** + **B** — Open Bookmarks Column on Left
- **Ctrl** + **I** — Close Bookmarks Column
- **Ctrl** + **D** – Create a bookmark for the current page

## Mouse Shortcuts

Here are six mouse-related shortcuts for when you already have your hand on the mouse. These shortcuts include the scroll wheel and utilize the clicking function (middle click) of the scroll wheel.

- **Shift – scroll down** – Go to the previous page
- **Shift – scroll up** – Go to the next page
- **Ctrl – scroll up** — Decrease the text size, zoom out
- **Ctrl – scroll down** — Increase text size, zoom in
- **Middle click on link** — Open the link in a new tab
- **Middle click on a tab** — Close the tab

**Keystroke shortcuts** have been around for many years and Firefox takes useful browser shortcuts to a new level. It may take a little adjusting to get used to using shortcuts but once you do they'll become second nature for speeding up your web browsing.

# Blue brain

### By:Gnana Sekaran
### I B.Sc Computer Science

Today scientists are in research to create an artificial brain that can think, respond, take decision,

and keep anything in memory. The main aim is to upload human brain into machine so that man can think, take decision without any effort. After the death of the body, the virtual brain will act as the man. So,even after the death of a person we will not loose the knowledge, intelligence, personalities, feelings and memories of that man,that can be used for the development of the human society. Technology is growing faster than everything .IBM is now in research to create a virtual brain,called "blue brain". If possible, this would be the first virtual brain of the world. IBM ,in partnership which scientists at Switzerland's Ecole Polytech-nique Federale de Lausanne's (EPFL) Brain and mind institute will begin simulating the brains biological systems and output the data as a working 3-dimensional model that will recreate the high-speed electro-chemical inter actions that takes place within the brain's interior. These include cognitive functions such as language, learning, perception and memory in addition to brain malfunction such as psychiatric disorders like depression and autism. From there, the modeling will expand to other regions of the brain and, if successful, shed light on the relationships between genetic, molecular and cognitive functions of the brain.

## Processing

When we take decision, logical and arithmetic calculations are done in our neural circuitry. The state of certain neurons are changed to give the output. Similarly in the artificial brain, the decision making can be done by the computer by using some stored states and the received input and by performing some arithmetic and logical calculations.
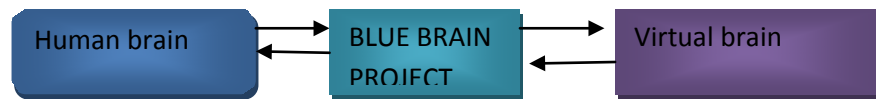
Fig 1. A small chart about blue brain

## ARCHITECTURE OF BLUE BRAIN

Blue brain project is built using system-on-a-chip technology in which all functions of a node(except for the main memory) are integrated onto a single application-specific integrated circuit (ASIC). This ASIC includes 2 power PC 440 cores running at 700 MHz Associated with each core is a 64-bit "double" floating point unit (FPU) that can operate in a single instruction, multiple data (SIMD) mode. Each (single) FPU can execute up to 2 "multiply-adds" per cycle, which means that the peak performance of the chip is 8 floating point operations per cycle (4 under normal conditions, with no use of the SIMD mode).This leads to peak performance of 5.6 billion floating point operations per second (giga FLOPS or GFLOPS) per chip, or 2.8 GFLOPS in non-SIMD mode. The two CPUs (central processing units) can be used in "co-processor" mode (resulting in one CPU and 512 MB (RANDOM ACCESS MEMORY) for the computation, the other CPU being used for being used for processing the I/O of the main CPU) or "virtual node" mode (in which CPUs with 256 MB each other are used for computation). So, the aggregate performance of a processor card in virtual node mode is: 2* node=2*2.8 GFLOPS=5.6 GFLOPS, and its peak performance (optimal use of double FPU)is:2*5.6 GFLOPS=11.2 GFLOPS. A rack (1,024 nodes=2,048 CPUs) therefore has 2.8 tera FLOPS, and a peak of TFLOPS.

CHIP

BOARD
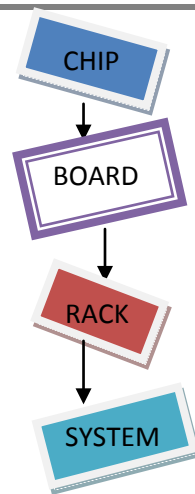
RACK

SYSTEM

Fig 2. Modeling the circuit

The blue brain project has a 4 rack system that has 4,096 nodes, equal to 8,192 CPUs, with a peak performance of 22.4 TFLOPS. A 64-rack machine should provide 180 TFLOPS, or 360 TFLOPS at peak performance of the circuits The scheme shows the minimal essential building blocks required to reconstruct a neural micro circuit. are composed of neurons and synaptic connections. To model , the three –dimensional morphology, ion channel Composition, and distributions and electrical properties of the different types of  neuron are required, as well as the total numbers of neurons in the micro circuit and the relative proportions of the different types of neuron. To model synaptic connection, the physiological and pharmacological properties of synapse.

## APPLICATIONS OF THE BLUE BRAIN PROJECT

- Defining functions of the basic elements
- Understanding complexity
- Exploring the role of dendrites

- Reveling functional diversity
- Tracking the emergence of intelligence
- Identifying points of vulnerability
- Simulating disease and developing treatments providing a circuits design platform
- Gathering and testing 100 years of data
- Cracking the neural code
- Understanding neocortical information processing
- A novel tool for drug discovery for brain disorders
- A global facility.

## ADVANTAGES AND LIMITATIONS

### ADVANTAGES

- We can remember things without any effort
- Decision can be made without the presence of a person.
- Even after the death of a man his intelligence can be used.
- The activity of different animals can be understood That means by interpre-tation of the electric impulses from the brain of animals, their thinking can be understood easily.
- It would allow the deaf to hear via direct nerve stimulation, and also be helpful for many psychological diseases by down loading the contents of the brain that was uploaded into the computer, the man can get rid from the madness.

### LIMITATIONS

- We become dependent upon the computer system.

- Others may use technical knowledge against us.
- Computer viruses will pose an increasingly critical threat.

# Create Your Own Handwriting Fonts

**By:R.S.Swarna Prabha**

**II B.Sc.Computer Science**

To write the document on the computer with your own handwriting fonts. If you have also felt the need to type in your own hand writing or just wanted to create your own fonts on the computer, then you can do that easily.

Yes you heard it right! Now you can create your own fonts within 15 minutes and that too for free. Here is the online font generator that can build the fonts for you so that you can write articles in your handwriting.

Your Fonts is a free online font generator with which you can turn your own handwriting in the fonts and save it on your computer.

## Advantages of Your Fonts:

- Free
- Works on Windows, Mac OS X and Linux.
- Use your fonts in Microsoft Word, PowerPoint and every program that you own.
- Creating fonts don't take much time.

All you have to do is fill in the template with your own handwriting, scan it and upload it to yourfonts.com. You will be

shown the preview of the fonts. Approve and download your favorite new handwriting font.

# Technical Details of Wi-Fi and Bluetooth Technology

## By:Govindha Raj
## II B.Sc.Computer Science

| | Wi-Fi | Bluetooth |
|---|---|---|
| Time Table | Standard in 1998, Products in 2000 | Standard in 2000, Products in 2001 and 2002 |
| Frequency Band | IEEE 802.11b -  2.4 GHz<br>IEEE 802.11a – 5GHHz<br>IEEE 802.11g – 2.4 | 2.4 GHz |
| Speed | 11 Mbps – 54 Mbps  (Effective speed – half of rated speed) | 1-2 Mbps (Effective speed – less than 50% rated speed) |
| Modulation Technique | Spread Spectrum OFDM | |
| Distance Coverage | Up to 1200 feet – 802.11g | Up to 30 feet now  – efforts to increase |

| | Up to 300 feet – 802.11b Up to 60 ft – 802.11a | coverage and speed |
|---|---|---|
| Number of access points required | Every 200 feet – 802.11b Every 50 feet – 802.11a | Every 30 feet – 25 to 30 times number of Bluetooth access points; |
| Interference with other devices | 2.4 GHz band is polluted – significant interference here | 2.4 GHz band is polluted – significant interference here. |
| | | |

# Android 4.1, Jelly Bean: The world's most popular platform gets even better.

## S.V.Vetrivel II B.Sc CS

Android 4.1, Jelly Bean, is the fastest

and smoothest version of Android yet. Jelly Bean improves on the simplicity and beauty of Android 4.0, and introduces a new Google search experience on Android.

**Fast & smooth**

We put Android under a microscope, making everything feel fast, fluid, and smooth. With buttery graphics and silky transitions, moving between home screens and switching between apps is effortless, like turning pages in a book. More reactive and uniform touch responses mean you can almost feel the pixels beneath as your finger moves across the screen. Jelly Bean makes your Android device even more responsive by boosting your device's CPU instantly when you touch the screen, and turns it down when you don't need it to improve battery life.

Simple, beautiful and beyond smart

**Expandable, actionable notifications.**

Android has always put you in control when it comes to staying notified and connected. Now you can take action directly from the notifications shade. Late for a meeting? Email everyone to let them know. Missed a call? Call them back in an instant. And because they're expandable, you can get an even deeper look into the things that matter most, like multiple emails or photos on Google+.

**Widgets work like magic.**

With Jelly Bean it's now even easier to personalize your home screen. As you place widgets on the screen, everything else automatically moves to make room. When they're too big, widgets resize on their own. Interacting with your favorite apps and customizing your home screen has never been easier.

**Seamlessly take and share photos.**

Android 4.0, Ice Cream Sandwich, made snapping photos super fast; Jelly Bean brings that same speed to the next step: viewing. Just swipe over from camera to filmstrip view to instantly view the photos you just took, and quickly swipe away the ones you don't like. Now sharing — and bragging — are a breeze.
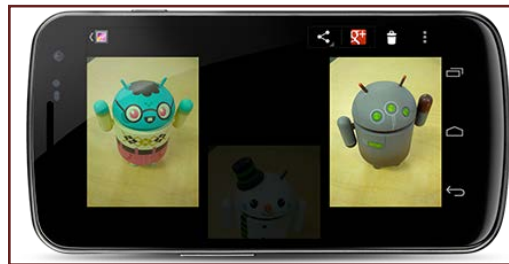
## A smarter keyboard.

Android's dictionaries are now more accurate, more relevant. The language model in Jelly Bean adapts over time, and the keyboard even guesses what the next word will be before you've started typing it. With improved text-to-speech capabilities, voice typing on Android is even better; it works even when you don't have a data connection, so you can type with your voice everywhere you go.

## Accessibility.

With Jelly Bean, blind users can use 'Gesture Mode' to reliably navigate the UI using touch and swipe gestures in combination with speech output. Jelly Bean also adds support for accessibility plugins to enable external Braille input and output devices via USB and Bluetooth.

**Android Beam.**

With Android Beam on Jelly Bean you can now easily share your photos and videos with just a simple tap, in addition to sharing contacts, web pages, YouTube videos, directions, and apps. Just touch two NFC-enabled Android devices back-to-back, then tap to beam whatever's on the screen to your friend. Instantly pair your Android phone or tablet to Bluetooth® devices like headsets or speakers that support the Simple Secure Pairing standard by just tapping them together – no more syncing or searching required.

# RECUVA-The Best Recovery Software

## By:Dhivyaraj
## I –BCA-"B"

Recuva is, without a doubt, the very best free file recovery software available today. Recuva is very easy to use and is as or more effective as any other freeware or premium file recovery program out there.

At some point or another all of us have deleted something we shouldn't have deleted. Usually the solution is to simply restore the file from the Recycle Bin but what if you've already emptied

the Recycle Bin? In that case, a file recovery program like Recuva can help.

## Description

Recuva's easy to use wizard asks the important questions and does the hard work behind the scenes. Frequent updates to the program by Piriform and a long history of success keeps Recuva at the top of many lists. Recuva is available in a portable version making installation unnecessary - a very important advantage.

A quick standard scan and an optional "Deep Scan" cover all the technological bases in the search for recoverable files.Recuva can recover files from hard drives, USB drives, memory cards, and even MP3 players, including the iPod.

Support for Windows 8, Windows 7, Windows Vista, Windows XP, and even Server versions of Windows. 64-bit version of Recuva available for optimal operating in 64-bit versions of Windows.

## Guide Review - Recuva v1.42.544

Recuva is the very best free file recovery software program available. I base that opinion mainly on my personal and professional use of the program but also from many comments from associates and readers.

**Note:** Piriform, the company that developed Recuva, also developed a few other wonderful freeware utilities - CCleaner,

Defraggler, and Speccy - all of which I highly recommend you check out.

To get started with Recuva, visit the program's website linked at the bottom of my review. Once there, click the Download now hyperlink corresponding to the download type you prefer. You can choose between Installer, Portable, PortableU3, or Slim.

A file recovery program can only recover a file deleted from your computer if the same space on the hard drive hasn't already been used by another file. Every time something is saved or installed, the chance that your file will be recoverable decreases.

When Recuva starts, you're presented with a wizard where you choose what kind of file you're looking for and where it was last located, neither of which you need to know but will help in the search for deleted files if you do.

After a quick scan, you're presented with a list of recoverable files. Recovering one of the deleted files is as easy as selecting it and clicking Recover....

At any time you can switch to Advanced Mode which reveals a number of options and additional sorting abilities.

If a file has gone missing, either from your mistake or even from a virus infection or system crash, I recommend you use the Recuva free file recovery program. There's no guarantee that

Recuva can successfully recovery any particular deleted file but it's certainly your best bet!

# 6 Worst Reasons of hard disk failure

**By:A.Aravindh III-B.CA**

Hard disks are often containing the bundle of important information and a huge capacity to store valuable data. But no one would take interest to backup their data or important files so that it can be recovered anytime at the time of failure or corruption. Hard disk failure can happen anytime due to bad power supply, virus attack, damaged block and sectors, corrupted operating system files e.g., NTLDR, boot.ini, msdos.sys etc.

Here, are the list of **top 6 reasons** of hard disk failure with its solutions which will surely help's the user to recover data from the conditions easily and without affecting or modifying any data. If in any conditions, the solutions mentioned below would unable to resolve issue, then switch to any data recovery software immediately to avoid any further damages to the system or to the data.

## Firmware or Manufacturer Faults:

**Symptoms:**

- The hard disk is undetectable or not recognized at all by the System.
- The system fails to boot or hang in mid of the booting process.

**Reason:**

This problem could occur mainly with the brand new hard disk

after which the hard disk stops to work after few days of purchasing because of manufacturers fault. These types of faulty hard disks are delivered to customer without testing.

**Solution:**

Users have to contact their hard disk customer center for replacement if possible, therefore, this type of error doesn't require to pay extra amount except to lose some data, which is stored in the hard drive before corruption. Manufacturer doesn't guarantee it to recover, so the users are required to have any well known data recovery software for complete recovery of important files and folders from the corrupted or formatted hard drive.

# Heat

**Symptoms:**

- Fans are moving too slowly or not at all.

- Clicking sounds or noise is arising from the system hardware.

**Reason:**

This is the most common problem among all the hard disk failure causes that occur too frequently. Due to off improper ventilation or faulty CPU fan, the user system would heat to peak point and leads to hard disk crash or severe damage to the hardware.

**Solution:**

Ensure that the CPU fans are working fine and give sufficient cooling to the processor and other peripherals. Using S.M.A.R.T. (Self monitoring, analysis and reporting technology) tools will notify the user about the hard disk conditions and any future risks associated with the hardware.

## Electronic Failure or Power Surges

**Symptoms:**

- System BIOS will unable to detect the hard drive,

- Hard drive couldn't be able to spin up.

**Reasons:**

The UPS that were used by the user couldn't be able to deliver the required power supply or deliver too high power supply to the system.

**Solution:**

Make sure that the system hardware is getting only the required power supply. By using UPS of any well known brand could troubleshoot this.

## Mechanical or Internal failure:

This error happens internally into the hard disk due to of bad sectors and blocks, spindle motor stops to rotate, power supply or any other well known internal factors.

**Symptoms:**

- Clicking sounds from the hard drive

- Files & Folders become invisible by the time.

**Reasons:**

The hard drive is too old to operate or formatted more than it's specified limit. Virus attack can harm the hard disk by erasing the data, altering the hard disk data or system files will also be a considered factors for mechanical failure.

**Solutions:**

Updating the system regularly or weekly, using standard anti virus program, replacing the hard drive after 3-4 years of use. These steps could help to fix the internal errors of the hard drive.

Moreover, sometime the hard disk internal errors happen due to unidentified reasons and users are required to have any **data recovery software or services** for complete recovery.

## Corrupted Files

**Symptoms:**

- Files are become inaccessible by the user
- Operating system will fail to boot up in a proper manner

**Reasons:**

Unethical way to shut down the PC, accidentally closing the running program, use of malicious or freeware software, power failures are the factors which contributed the most towards file corruption after which the hard disk become unstable and stops to function properly.

**Solution:**

Always using the specified way to shut down the PC or closing the program and not installing any freeware or malicious software into your PC will keep the hard disk in running status for long time.

## Human Errors:

This error happens mainly due to of human mistakes and caused to serious damaging of the system. For ex, modifying the system registry files, altering the system files attribute or any other. These types of errors were hardly recoverable and require the most powerful recovery software to scan deeply and recover seriously damaged data.

# Top 10 Online Shopping Sites in India – Best Indian Online Shopping Websites.

## By:Gowtham Patel II B.CA

Online shopping is becoming popular in India these days. In a country like India, where people has to depend on metro cities for finding commodities with good quality and wide selection, Online shopping offers vast, easy and interesting shopping experience.

Online shopping provides several advantages like 24 hours shopping, which requires less travel, rich product availability and specifications etc.

### Here is real average for each ranked site (last Updated 8th September 2012)

 Flipkart-4.76,ebay- 4.88,Tradus.in- 5.32,Futurebazaar.com-5.39,Infibeam-5.69, Homeshop18- 5.82,Yebhi-5.88, Snapdeal-5.93,Buytheprice-5.99,Indiaplaza.com- 6.06

(1)

**Flipkart.com** – Score(4.76) -You can not only buy books online through Flipkart, but also mobile phones & mobile accessories, laptops, computer accessories, cameras, movies, music, televisions, refrigerators, air-conditioners, washing-machines, MP3 players and products from a host of other categories. After takeover of letsbuy.com now flipkart is largest player of e-commerce of India.

(2)

**ebay.in** -Score(4.88) After almost 6month of dominating at number 1 ebay has come down at number two on indiafreestuff.in list. eBay.in is the Indian version of the popular online shopping portal eBay.com – world's online marketplace. Ebay has a diverse and passionate community of individuals and small businesses. Ebay offers used and fresh items with a wide network of international shipping. http://www.ebay.in/

(3)

**tradus.com** - Score(5.32) Tradus.in is owned by ibibo from books to clothes they sell you everything. Tradus offers the Online Shopping in India to buy Books, Mobiles, Cameras, Watches, Apparel, Home Appliances, Ipods & Many More at Lowest Price & Free shipping although their refunding process takes more than expected time and they don't ship all over India but still at no 3.

(4)

**futurebazaar.com** -Score(5.39) -FutureBazaar.com is owned and operated by Future Bazaar India Ltd futurebazaar offers you wide range with good price The people of behind this company are same from bigbazaar, pantaloon and ezone.

(5)

**infibeam.com** -Score(5.69) India's Online Shopping Platform offers Buy Mobile Phones, Books, Apparel, Jewellery, Cameras, Watches, Send Gifts to India, New/ Used Cars & Bikes in India a report says 40 lakh visits per month by Indians on this site.

(6)

**homeshop18.com** -Score(5.82) here you find large range appliances, kitchen, cameras, mobiles, laptops, site, indian, gifts, apparel, buy, online, gifts. and more, HomeShop18 is a venture of theNetwork18 Group, India's fastest growing media and entertainment Group. Network18 operates India's leading business news television channels – CNBC TV18 and CNBC Awaaz. HomeShop18 has also launched India's first 24 hour Home Shopping TV channel. The company has its headquarters in Noida, UP.

(7)

**Yebhi.com**- Score(5.88) Yebhi is India Largest Shopping Destination for your Wardrobe. Shop for shoes, apparels, jewelery, Bags and more. No matter yebhi rules in Apparel catagory and if you want to buy clothes or shoes online this is best site, Their deals become more lucrative with discount coupons, Now they are also selling mobiles at good price.

(8)

**Snapdeal.com** -Score(5.93) SnapDeal offers everything from local daily deals on restaurants, spas, travel to online products deals. They offer you best price with free shipping.

(9)

**buytheprice.com** -Score(5.99) Shop Online – Buy Mobile Phones, Laptops, Digital Cameras, MP3 Players, TVs and Hard Disks + Free Shipping .One of the unique feature of this site is item prices get reduce after selling in big quantity for example a 4 gb pendrive is listed

at 350 if 5 people buys it price gets down at 320 if 10-15 people buys it gets down at 285 so on buytheprice is at no 5. (10).

**indiaplaza.in** – Score(6.06) indiaplaza.in is on 10th place of indiafreestuff.in ranking, Shop online over 8 million items at India's largest shopping site at lowest prices.

# 174 Run Commands for Windows XP

**S. Ranichandra**
**Lecturer, Dept of CS**
**KSRCAS**

**All of the Run Command below** Work in the **Windows XP Operating System.** Some do Require that you have the application installed. To provoke the run dialogue box where you can enter the **run commands Click start** and then select **Run** or even faster hold down the **Windows key** and press '**R**' then enter your **command**.

## Program Run Command

| | | |
|---|---|---|
| 1. Accessibility Controls | - | access.cpl |
| 2. Accessibility Wizard | - | accwiz |
| 3. Add Hardware Wizard | - | hdwwiz.cpl |
| 4. Add/Remove Programs | - | appwiz.cpl |
| 5. Administrative Tools control | - | admintools |
| 6. Adobe Acrobat ( if installed ) | - | acrobat |
| 7. Adobe Distiller ( if installed ) | - | acrodist |
| 8. Adobe ImageReady ( if installed ) | - | imageready |
| 9. Adobe Photoshop ( if installed ) | - | photoshop |
| 10. Automatic Updates | - | wuaucpl.cpl |

| | | | |
|---|---|---|---|
| 11. | Basic Media Player | - | mplay32 |
| 12. | Bluetooth Transfer Wizard | - | fsquirt |
| 13. | Calculator | - | calc |
| 14. | Ccleaner ( if installed ) | - | ccleaner |
| 15. | C: Drive | - | c: |
| 16. | Certificate Manager | - | cdrtmgr.msc |
| 17. | Character Map | - | charmap |
| 18. | Check Disk Utility | - | chkdsk |
| 19. | Clipboard Viewer | - | clipbrd |
| 20. | Command Prompt | - | cmd |
| 21. | Command Prompt | - | command |
| 22. | Component Services | - | dcomcnfg |
| 23. | Computer Management | - | compmgmt.msc |
| 24. | Compare Files | - | comp |
| 25. | Control Panel | - | control |
| 26. | Create a shared folder Wizard | - | shrpubw |
| 27. | Date and Time Properties | - | timedate.cpl |
| 28. | DDE Shares | - | ddeshare |
| 29. | Device Manager | - | devmgmt.msc |
| 30. | Direct X Control Panel ( if installed ) | - | directx.cpl |
| 31. | Direct X Troubleshooter | - | dxdiag |
| 32. | Disk Cleanup Utility | - | cleanmgr |
| 33. | Disk Defragment | - | dfrg.msc |
| 34. | Disk Partition Manager | - | diskmgmt.msc |
| 35. | Display Properties control | - | desktop |
| 36. | Display Properties | - | desk.cpl |
| 37. | Display Properties | - | control color |
| 38. | Dr. Watson System Troubleshooting Utility- | | drwtsn32 |
| 39. | Driver Verifier Utility | - | verifier |
| 40. | Ethereal ( if installed ) | - | ethereal |
| 41. | Event Viewer | - | eventvwr.msc |
| 42. | Files and Settings Transfer Tool | - | migwiz |
| 43. | File Signature Verification Tool | - | sigverif |
| 44. | Findfast | - | findfast.cpl |
| 45. | Firefox | - | firefox |

46. Folders Properties                    -      control folders
47. Fonts                          -      fonts
48. Free Cell Card Game                    -       freecell
49. Game Controllers                    -      joy.cpl
50. Group Policy Editor( xp pro )          -      gpedit.msc
51. Hearts Card Game                    -      mshearts
52. Help and Support                    -      helpctr
53. Hyperterminal                    -      hypertrm
54. Hotline Client                    -      hotlineclient
55. Iexpress Wizard                    -      iexpress
56. Indexing Service                    -      ciadv.msc
57. Internet Connection Wizard          -      icwonn1
58. Internet Properties                    -      inetcpl.cpl
59. Internet Setup Wizard              -      inetwiz
60. IP Configuration (Connection Configuration)-    ipconfig /all
61. IP Configuration (DNS Cache Contents) -    ipconfig/displaydns
62. IP Configuration (Delete DNS Cache Contents)    -        ipconfig /flushdns
63. IP Configuration (Release All Connections) -      ipconfig /release
64. IP Configuration (Renew All Connections) -      ipconfig /renew
65. IP Configuration (Re-Registers DNS)   -      ipconfig /registerdns
66. IP Configuration (Display DHCP Class ID)- ipconfig /showclassid
67. IP    Configuration    (Modifies    DHCP    Class    ID)- ipconfig/setclassid
68. Java Control Panel ( if installed )    -      jpicpl32.cpl
69. Java Control Panel ( if installed )    -      javaws
70. Keyboard Properties                -      control keyboard
71. Local Security Settings              -      secpol.msc
72. Local Users and Groups              -      lusrmgr.msc
73. Logs You Out of Windows            -      logoff
74. Malicious Software Removal Tool        -      mrt
75. Microsoft Access ( if installed )      -      access.cpl
76. Microsoft Chat                    -      winchat
77. Microsoft Excel ( if installed )        -      excel

| 78. | Microsoft Diskpart | - | diskpart |
|---|---|---|---|
| 79. | Microsoft Frontpage ( if installed ) | - | frontpg |
| 80. | Microsoft Movie Maker | - | moviemk |
| 81. | Microsoft Management Console | - | mmc |
| 82. | Microsoft Narrator | - | narrator |
| 83. | Microsoft Paint | - | mspaint |
| 84. | Microsoft Powerpoint | - | powerpnt |
| 85. | Microsoft Word ( if installed ) | - | winword |
| 86. | Microsoft Syncronization Tool | - | mobsync |
| 87. | Minesweeper Game | - | winmine |
| 88. | Mouse Properties control | - | mouse |
| 89. | Mouse Properties | - | main.cpl |
| 90. | MS-Dos Editor | - | edit |
| 91. | MS-Dos FTP | - | ftp |
| 92. | Nero ( if installed ) | - | nero |
| 93. | Netmeeting | - | conf |
| 94. | Network Connections control | - | netconnections |
| 95. | Network Connections | - | ncpa.cpl |
| 96. | Network Setup Wizard | - | netsetup.cpl |
| 97. | Notepad | - | notepad |
| 98. | Nview Desktop Manager ( if installed ) | - | nvtuicpl.cpl |
| 99. | Object Packager | - | packager |
| 100. | ODBC Data Source Administrator | - | odbccp32 |
| 101. | ODBC Data Source Administrator | - | odbccp32.cpl |
| 102. | On Screen Keyboard | - | osk |
| 103. | Opens AC3 Filter ( if installed ) | - | ac3filter.cpl |
| 104. | Outlook Express | - | msimn |
| 105. | Paint | - | pbrush |
| 106. | Password Properties | - | password.cpl |
| 107. | Performance Monitor | - | perfmon.msc |
| 108. | Performance Monitor | - | perfmon |
| 109. | Phone and Modem Options | - | telephon.cpl |
| 110. | Phone Dialer | - | dialer |
| 111. | Pinball Game | - | pinball |
| 112. | Power Configuration | - | powercfg.cpl |

113. Printers and Faxes                     -      control printers
114. Printers Folder                        -      printers
115. Private Characters Editor              -      eudcedit
116. Quicktime ( if installed )             -      quicktime.cpl
117. Quicktime Player ( if installed )  -   quicktimeplayer
118. Real Player ( if installed )           -      realplay
119. Regional Settings                      -      intl.cpl
120. Registry Editor                        -      regedit
121. Registry Editor                        -      regedit32
122. Remote Access Phonebook            -      rasphone
123. Remote Desktop                         -      mstsc
124. Removable Storage                      -      ntmsmgr.msc
125. Removable Storage Operator Request- ntmsoprq.msc
126. Resultant Set of Policy ( xp pro ) -   rsop.msc
127. Scanners and Cameras                   -      sticpl.cpl
128. Scheduled Tasks control                -      schedtasks
129. Security Center                        -      wscui.cpl
130. Services                               -      services.msc
131. Shared Folders                         -      fsmgmt.msc
132. Sharing Session                        -      rtcshare
133. Shuts Down Windows                     -      shutdown
134. Sounds Recorder                        -      sndrec32
135. Sounds and Audio                       -      mmsys.cpl
136. Spider Solitare Card Game          -   spider
137. SQL Client Configuration           -   clicongf
138. System Configuration Editor            -      sysedit
139. System Configuration Utility           -      msconfig
140. System File Checker Utility ( Scan Immediately )- sfc /scannow
141. System File Checker Utility ( Scan Once At Next Boot ) -sfc /scanonce
142. System File Checker Utility ( Scan On Every Boot ) -    sfc /scanboot
143. System File Checker Utility ( Return to Default Settings)- sfc /revert

144. System File Checker Utility ( Purge File Cache )   -              sfc /purgecache
145. System File Checker Utility ( Set Cache Size to Size x ) -      sfc /cachesize=x
146. System Information                              -         msinfo32
147. System Properties                               -         sysdm.cpl
148. Task Manager                                    -          taskmgr
149. TCP Tester                                      -           tcptest
150. Telnet Client                                   -          telnet
151. Tweak UI ( if installed )                       -          tweakui
152. User Account Management                -        nusrmgr.cpl
153. Utility Manager                        -        utilman
154. Volume Serial Number for C:                     -         label
155. Volume Serial Number for A:                     -a:
156. Volume Control                                  -sndvol32
157. Windows Address Book                            -wab
158. Windows Address Book Import Utility             -wabmig
159. Windows Backup Utility ( if installed )         -ntbackup
160. Windows Explorer                                -explorer
161. Windows Firewall                                -firewall.cpl
162. Windows Installer Details                       -msiexec
163. Windows Magnifier                               -magnify
164. Windows Management Infrastructure               -wmimgmt.msc
165. Windows Media Player                            -wmplayer
166. Windows Messenger                               -msnsgs
167. Windows Picture Import Wizard                   -wiaacmgr
168. Windows System Security Tool                    -syskey
169. Windows Script host settings                    -wscript
170. Widnows Update Launches                         -wupdmgr
171. Windows Version ( shows your windows version )- winver
172. Windows XP Tour Wizard t                         -ourstart
173. Wordpad                                         -write
174.  Zoom Utility                                   - igfxzoom

# Augmented reality (AR)

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Augmented reality (AR) is a live, direct or indirect, view of a physical, real-world environment whose elements are augmented by computer-generated sensory input such as sound, video, graphics or GPS data. It is related to a more general concept called mediated reality, in which a view of reality is modified (possibly even diminished rather than augmented) by a computer. As a result, the technology functions by enhancing one's current perception of reality. By contrast, virtual reality replaces the real world with a simulated one. Augmentation is conventionally in real-time and in semantic context with environmental elements, such as sports scores on TV during a match. With the help of advanced AR technology (e.g. adding computer vision and object recognition) the information about the surrounding real world of the user becomes interactive and digitally manipulable. Artificial information about the environment and its objects can be overlaid on the real world.
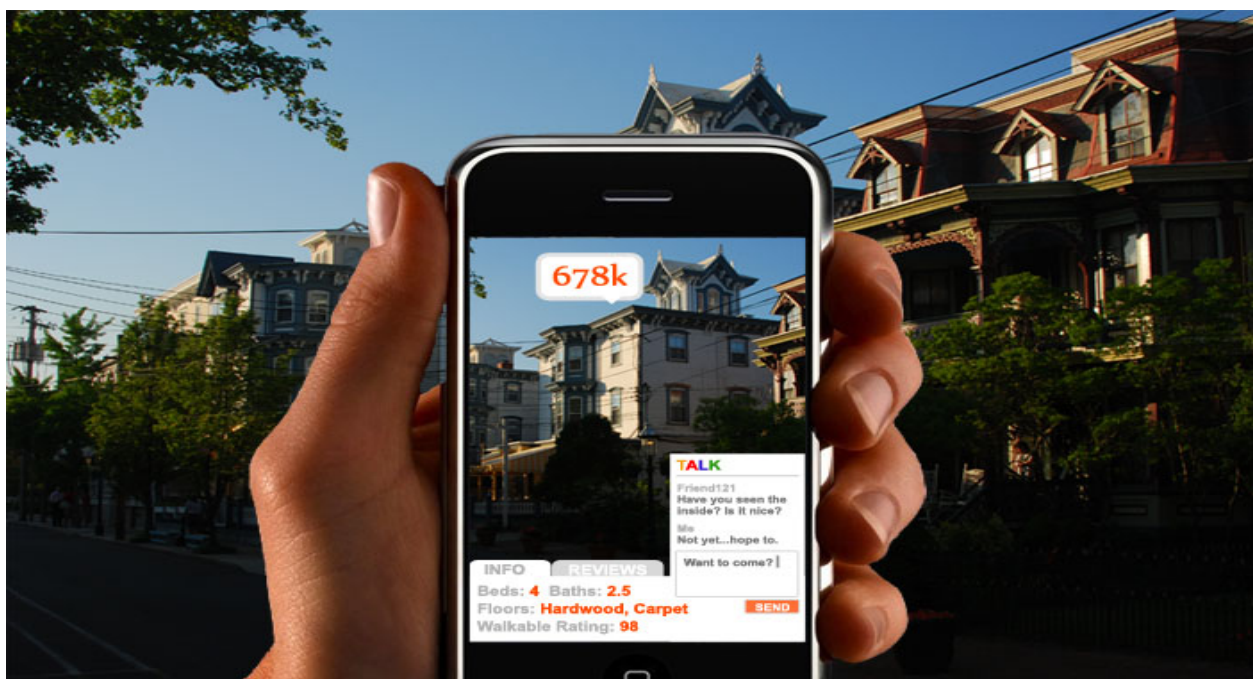
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11. The HOD, Muthayammal College of Arts & Science
12. The HOD, PEE GEE College of Arts &, Science
13. The HOD, Harur Muthu Arts & Science College for Women
14. The HOD, Vivekanandha College of Arts & Sciences (W)
15. The HOD, Mahendra Arts & Science college
16. The HOD, Selvam Arts & Science college
17. The HOD, St.Joseph's College of Arts & Science for (W)
18. The HOD, Vysya College of Arts &, Science
19. The HOD, NKR Government Arts College for Women
20. The HOD, Arignar Anna Government Arts College
21. The HOD, Salem Sowdeswari College
22. The HOD, P.G.P College of Arts & Science
23. The HOD, Attur Arts & Science College
24. The HOD, SSM College of Arts & Science
25. The HOD, Government Arts College Salem
26. The HOD, Government Arts College Men
27. The HOD, Government Arts College, Dharmapuri
28. The HOD, Gobi Arts and Science College (Autonomous)
29. The HOD, Sri Kandhan College of Arts & Science
30. The HOD, Jairam Arts & Science College
31. The HOD, Sri Balamurugan College of Arts & Science
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