

October 2012

Vol 4

DIGIFLSH PROUDLY PRESENTS
DIGI TIMES

**HAPPY ENGINEERS DAY
AND
GANDHI JAYANTHI**



*Know
About
TIMCOOK*

*From
Engineering
to
Corporate society*



CONTENTS

1. Boot Up Problems	1
2. IBM Flash Memory	2
3. Tim Cook –The Apple CEO	3
4. TCS- cover Story	5
5. On cloud nine	7
6. Mahathma Gandhi	9
7. Mokshagundam Visvesvarayya	10
8. Windows Shortcuts	11
9. Speeding up of Windows PC	13
10. Impossible Instant Lab	14
11. Creative Corner	15
12. Apple iPhone 5	16
13. Gadgets Aroma USB	17
14. HR Question	18
15. Computer Trojans Virus and Malwares	19
16. Know the people around you- Prof C.Ramaswamy	20

Boot-Up Problems

If your computer shuts down or crashes you might find yourself in a annoying situation where the computer continuously reboots in a loop while attempting to start Windows.

This may be caused by the registry becoming corrupt as a result of an application writing to the registry at the time of a system crash. The next time the computer boots up and tries to read the registry the system fails and has to restart.

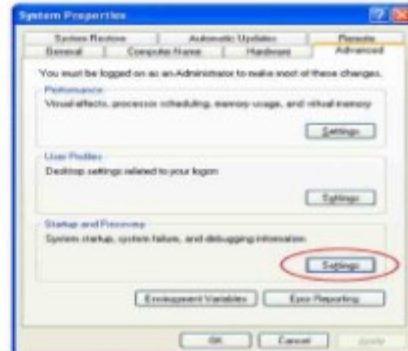
To fix the Problem:

- When the computer restarts, shortly after the initial beep press F8
- Select "Boot from last known working configuration"

If the above does not fix the problem you might want to work your way through my [How to service your PC](#) article to replace and recover corrupted Windows files that might be causing the problem.

Steps to prevent continuously restarting during the boot up:

- Click Start
- Settings (Skip on Windows XP)
- Control Panel
- System (May need to click "Switch to classic")
- Advanced Tab
- Press Settings button
- Uncheck "Automatically restart"



This will prevent Windows from restarting even when it encounters an error during the boot up process.

IBM goes big on new mainframe with fastest chip, flash memory

The IBM's latest mainframe, the zEnterprise 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%.

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 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.

TIM COOK



August 24, 2011 afternoon brought the big news that **Steve Jobs had resigned from the position of Apple CEO** (he is now Chairman of Apple's Board), along with that came the news that Tim Cook will now permanently take over as Apple CEO. Cook had been acting CEO since January this year when Jobs went on medical leave – Cook now has to step up and officially lead Apple, which recently became the most valuable company in the world.

But unlike Jobs who is known to a sizeable proportion of general society and has quite a reputation, Cook is fairly unknown.

Life before Apple

Cook was born on November 1st 1960 (making him nearly 51 years old, Steve Jobs is 56) in Robertsdale, Alabama to a shipyard worker father and a homemaker mother. After earning a Bachelor of Science degree in Industrial Engineering from Auburn

University in 1982 he went to work at IBM for 12 years.

During that period at IBM Cook also studied to attain an MBA from Duke University's Fuqua School of Business which he achieved in 1988. Cook demonstrated his intense devotion to work during his tenure at IBM – even once volunteering to work over Christmas and New Year holidays just so IBM could complete its orders for the year. Yet despite that intense devotion to work, his old IBM boss Richard Daugherty told **Fortune** that Cook had "a manner that really caused people to enjoy working with him".

Following his departure from IBM in 1994 he joined Intelligent Electronics where he worked in the computer-reseller division of which he eventually become COO of. When he sold the division to Ingram Micro in 1997

Joining Apple

Tim Cook began his career at Apple with an office near Steve Jobs and as the Senior Vice President of Worldwide Operations he quickly started to steer Apple away from manufacturing components themselves – instead he ensured Apple established strong relationships with external manufacturers. He applied strict discipline to Apple's management of the supply line, playing a pivotal role in Apple's recovery during that period that now seems an eternity ago.



Cook's success at operational management is made particular mention on his **Apple bio page** where it says that Cook plays "a key role in the continued development of strategic reseller and supplier relationships, ensuring flexibility in response to an increasingly demanding marketplace". Cook could be said to be the masterful conductor that directs the massive orchestra behind Apple that manages to supply components and manufacture millions of Macs, iPods, iPhones and iPads in a nearly flawless manner despite such significant demand.

Over his years at Apple, Cook has gradually taken on more responsibilities, which include leading the sales force, customer support, the Macintosh division from 2004 and in 2007 becoming Apple's COO. Those responsibilities would have played a big part in his selection for the CEO position today but what has made Cook an obvious choice for CEO post-Jobs has been the three stints in which Cook himself became acting CEO of Apple.

Cook first took on the job of temporarily substituting for Jobs for two months in 2004 whilst Jobs recovered from pancreatic cancer surgery. In 2009 Cook again took the reins for several months whilst Jobs underwent a liver transplant and spent time off to

recuperate. Then finally this year when Jobs again took medical leave in January, Cook was again given the task of acting as Apple's CEO and has been performing that role until yesterday when Steve Jobs resigned as CEO and the board officially instated Cook as Apple CEO.

Over those three periods in which Jobs was absent from the CEO post, Cook has attained more than a years worth of experience – he now faces the task of continuing to guide Apple's direction and run day-to-day tasks for many years to come. It's a position Cook didn't expect to find himself.



Personality and Devotion to Work

Tim Cook is no Steve Jobs. That very fact will certainly change the way in which Apple operates to a degree because Cook won't run Apple exactly like Jobs did – he is not, and does not try to be, a clone of Jobs. Yet despite the differences in personality of the two, Fortune notes how both are "equally obsessive and exacting about [their] work".



TATA CONSULTANCY SERVICES

Tata Consultancy Services Limited (TCS) is Software services consulting company headquartered in Mumbai, India. TCS is the largest provider of information technology and business process outsourcing services in Asia. TCS has offices in 42 countries with more than 142 branches across the globe. The company is listed on the National Stock Exchange and Bombay Stock Exchange of India. TCS is one of the operative subsidiaries of one of India's largest and oldest conglomerate company, the Tata Group or Tata Sons Limited, which has interests in areas such as energy, telecommunications, financial services, manufacturing, chemicals, engineering, materials, government and healthcare.

History

It began as the "Tata Computer Centre", for the company Tata Group whose main business was to provide computer services to other group companies. FCK obli was the first general manager. JRD Tata was the first chairman, followed by Nani Palkhivala. One of TCS' first assignments was to provide punched card services to a sister concern, Tata Steel (then TISCO). It later bagged the country's first software project, the Inter-Branch Reconciliation System (IBRS) for the Central Bank of India.

It also provided bureau services to Unit Trust of India, thus becoming one of the

first companies to offer BPO services in the early 1970s, Tata Consultancy Services started exporting its services.

The company pioneered the global delivery model for IT services with its first offshore client in 1974. TCS's first international order came from Burroughs, one of the first business computer manufacturers. TCS was assigned to write code for the Burroughs machines for several US-based clients. This experience also helped TCS bag its first onsite project - the Institutional Group & Information Company (IGIC), a data centre for ten banks, which catered to two million customers in the US, assigned TCS the task of maintaining and upgrading its computer systems. In 1981, TCS set up India's first software research and development centre, the Tata Research Development and Design Center (TRDDC).

The first client-dedicated offshore development center was set up for Compaq (then Tandem) in 1985. In 1989, TCS delivered an electronic depository and trading system called SECOM for SIS Segal Inter Settle, Switzerland. It was by far the most complex project undertaken by an Indian IT company. TCS followed this up with System for the Canadian Depository System and also automated the Johannesburg Stock Exchange (JSE).

Indian branches

TCS has development centres and/or regional offices in the following Indian cities: Ahmedabad, Baroda, Bangalore, Bhubaneswar, Kochi, Kolkata, Lucknow, Mumbai, Noida, Pune, Thiruvananthapuram, Patna, Haldia.

Employees

TCS is one of the largest private sector employers in India with core strength in excess of 186,914 individuals. TCS has one of the lowest attrition rates in the Indian IT industry. In the past TCS has been criticized by its employees in Public forums on its Appraisal and Promotion policies.

Postings:

As a global company, TCS has about 169 offices in 35 countries with operations across India, North America, APAC, Latin America, Europe, Middle East and Africa.

Qualifications

It depends on the position and role recruited. TCS also recruit functional experts for specific practices; for example, the healthcare practice recruits doctors as functional experts, or the financial service practice hires bankers and other finance professionals for their domain knowledge. TCS periodically advertises in the newspapers for the positions and roles available. Within TCS, the intranet will have announcements about the various positions and requirements. The TCS web site also lists the jobs. One can also upload one's resume there.

Written Test

Verbal Section consists of 15 questions and is to be attempted in 6 minutes. These are usually based on English words and their synonyms. Quantitative section consists of basic mathematics questions based on percentages, multiplication, and simple algebra. It consists of 15 questions and the time allotted is 10 minutes. Comprehension Section consists of 60 questions with 50 minutes. Psychometric test contains 150 questions with 30 minutes. These are general personality based questions and are yes/no based.

Interview

The written test is followed by interviews-technical and HR. The technical interview is based on subjects candidates have already studied in their curriculum. Candidate need to select their favorite subjects out of what they have studied.

Post-interview

TCS has a process of background checks undertaken by professional agencies. As part of this process, we check for authenticity, educational background and work experience. Typically, background checks are completed prior to joining. On joining, the employee is given a letter of appointment. All terms and conditions of service are enumerated in the letter of offer made once the candidate is successful in the management interview. All candidates, including those who have been rejected, are intimated about their status. Candidates also have the option to call our office and get an update on the progress and status of their application. Although TCS normally recruit for a role, if alternatives are available and the candidate is deemed suitable, HR pursues the application for the same.

On Cloud Nine!!!

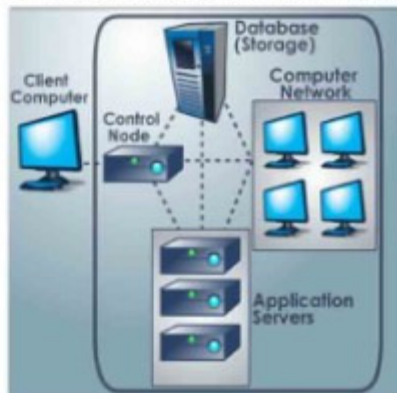
Why Cloud Computing? Let's say you're an executive at a large corporation. Your particular responsibilities include making sure that all of your employees have the right hardware and software they need to do their jobs. Buying computers for everyone isn't enough -- you also have to purchase software or software licenses to give employees the tools they require. Whenever you have a new hire, you have to buy more software or make sure your current software license allows another user. An alternative is the cloud computing technology. Instead of installing a suite of software for each computer, you'd only have to load one application. That application would allow workers to log into a Web-based service which hosts all the programs the user would need for his or her job. Remote machines owned by another company would run everything from e-mail to word processing to complex data analysis programs. It's called **cloud computing**, and it could change the entire computer industry.

Architecture:

When talking about a cloud computing system, it's helpful to divide it into two sections: the **front end** and the **back end**. They connect to each other through a **network**, usually the **Internet**. The front end is the side the computer user, or client, sees. The back end is the "cloud" section of the system. The front end includes the client's **computer** (or computer network) and the application required to access the cloud computing system. Not all cloud computing systems have the same user interface. Services like Web-based e-mail programs leverage existing Web browsers like Internet Explorer or Firefox. Other systems have unique

applications that provide network access to clients.

On the back end of the system are the various computers, servers and data storage systems that create the "cloud" of computing services. In theory, a cloud computing system could include



practically any computer program you can imagine, from data processing to video games. Usually, each application will have its own dedicated server.

A central server administers the system, monitoring traffic and client demands to ensure everything runs smoothly. It follows a set of rules called protocols and uses a special kind of software called middleware. Middleware allows networked computers to communicate with each

other. The server may provide any service, may it be a software, infrastructure or platform.

Advantages of Cloud:

In a cloud computing system, there's a significant workload shift. Local computers no longer have to do all the heavy lifting when it comes to running applications. The network of computers that



make up the cloud handles them instead.

Hardware and software demands on the user's side decrease. The only thing the user's computer needs to be able to run is the cloud computing system's **interface software (called as middleware)**, which can be as simple as a Web browser, and the cloud's network takes care of the rest. If you have an e-mail account with a Web-based e-mail service like Hotmail, Yahoo! Mail or Gmail, then you've had some experience with cloud computing. Instead of running an e-mail program on your computer, you log in to a Web e-mail account remotely. The software and storage for your account doesn't exist on

your computer — it's on the service's computer cloud.

Cloud Computing

Applications:

The applications of cloud computing are practically limitless. With the right middleware, a cloud computing system could execute all the programs a normal computer could run. Potentially, everything from generic word processing software to customized computer programs designed for a specific company could work on a cloud computing system.

Concerns:

Perhaps the biggest concerns about cloud computing are **security** and **privacy**. The idea of handing over important data to another company worries some people. Corporate executives might hesitate to take advantage of a cloud computing system because they can't keep their company's information under **lock and key**.

The counterargument to this position is that the companies offering cloud computing services live and die by their reputations. It benefits these companies to have reliable security measures in place. Otherwise, the service would lose all its clients. It's in their interest to employ the most advanced techniques to protect their clients' data.

Privacy is another matter. If a client can log in from any location to access data and applications, it's possible the client's privacy could be compromised. Cloud computing companies will need to find ways to protect client privacy. One way is to use **authentication** techniques such as user names and passwords.

Reference:

<http://computer.howstuffworks.com>

Mahatma Gandhi



Mohandas Karamchand Gandhi, an Indian nationalist leader, Born on October 2, 1869 in Porbandar, Kathiawar, West India. He studied law in London, but in 1893 went to South Africa, where he spent 20 years opposing discriminatory legislation against Indians. As a pioneer of Satyagraha, or resistance through mass non-violent civil disobedience, he became one of the major political and spiritual leaders of his time. Satyagraha remains one of the most potent philosophies in freedom struggles throughout the world today.

In 1914, Gandhi returned to India, where he supported the Home Rule movement, and became leader of the Indian National Congress, advocating a policy of non-violent non-co-operation to achieve independence. His goal was to help poor farmers and laborers protest oppressive taxation and discrimination. He struggled to alleviate poverty, liberate women and put an end to caste discrimination, with the ultimate objective being self-rule for India.

Following his civil disobedience campaign (1919-22), he was jailed for conspiracy (1922-4). In 1930, he led a landmark 320 km/200 mi march to the sea to collect salt in symbolic defiance of the government monopoly. On his release from prison (1931), he attended the London Round Table Conference on Indian constitutional reform. In 1946, he negotiated with the Cabinet Mission which recommended the new constitutional structure. After independence (1947), he tried to stop the Hindu-Muslim conflict in Bengal, a policy which led to his assassination in Delhi by Nathuram Godse, a Hindu fanatic.

Even after his death, Gandhi's commitment to non-violence and his belief in simple living--making his own clothes, eating a vegetarian diet, and using fasts for self-purification as well as a means of protest--have been a beacon of hope for oppressed and marginalized people throughout the world.

Mokshagundam Visvesvarayya



Sir Mokshagundam Visvesvaraya born on 15th September 1860 in Muddenahalli, Chikdaballapura District, Karnataka. Sir M Vishweshwaraya father is Srinivasa Sastry and mother Venkatchamma. Sir M Vishweshwaraya is an eminent Indian engineer and statesman. T 15th September we observe his Sir M Visvesvaraya birthday as **Engineers Day** in India. Sir M Vishweshwaraya is a graduated as a civil engineer.

Visvesvaraya Joined PWD department of Bombay (now its known as Maharashtra state). Visvesvaraya was a genius, he invented Block System the automatic doors which he devised to stop wasteful overflow of water. Sir Visvesvaraya built many dams in maharashtra state. He was designed and patented a system of **automatic weir water floodgates** which were first installed

in 1903 at the Khadakvasla reservoir, Pune. He worked as a chief engineer during construction of Krishna Raja Sagara Dam on the Kaveri River in Mandya. He became the President of All India Manufacturers Association.

Sir Visvesvaraya was the maker of modern mysore. Sir M. Visvesvaraya lead a very simple life. He was a strict vegetarian and a teetotaler. He was known for his honesty and integrity. In 1912, Maharaja of Mysore appointed Visvesvaraya as his Dewan. Before accepting the position of Dewan of Mysore, he invited all his relatives for dinner. As Dewan of Mysore, he worked tirelessly for educational and industrial development of the state. When he was the Dewan many new industries came up. The Sandal Oil Factory, the Soap Factory, the Metals Factory, the Chrome Tanning Factory, were some of them. Of the many factories he started the most important is the Bhadravati Iron and Steel Works.

After voluntary retirement in 1908, sir visweswaraya was appointed as a minister of the state of Mysore. Also Sir Visvesvaraya designed a flood protection system to protect hyderabad city from the flood. He is a recipient of the Indian republic's highest honour, the Bharat Ratna, in 1955. Sir visweswaraya died on 14th April 1962 at the age of 101.

“Engineering is the art of organizing and directing men and controlling the forces and materials of nature for the benefit of the human race.”

Windows Shortcuts

Desktop Shortcut keys

- To get to your Windows desktop when you have several different windows open
- Win key + M. Win key + Shift + M gets them all back again.
- Win key + D toggles between open applications and the desktop.
- To close all windows and applications quickly press Alt + F4.

Win Key (Wk) Shortcuts

- Wk Show Start Menu
- Wk + D Desktop (toggle)
- Wk + E Windows Explorer
- Wk + F Find
- Wk + R Run
- Wk + Pause System Properties
- Wk + Tab Steps through the programmes on the taskbar
- Wk + F1 Windows Help
- Wk + M Minimizes all open windows (+ shift M undoes the minimizing)
- Wk + BREAK System properties
- Wk + L Lock Keyboard
- Wk + U Utility Manager
- Wk + SHIFT + M Restore minimised Windows
- Wk + CTRL + F Search for computers
- WK + BREAK Display system properties dialogue box

Expand All Folders in Windows Explorer

- If you want to expand all the folders and subfolders for a particular drive, click on

- that drive and press the '*' key on the numeric keyboard
- Expand individual highlighted folders press '+'

Microsoft Access keyboard shortcuts

- Enter the Value that Appears in the Same Field in the Previous Record Keyboard Shortcut: Ctrl+' (apostrophe)
- To undo typing CTRL + Z or ALT + BACKSPACE
- To Undo changes Hit ESC once for current field, ESC twice for current record
- To insert the current date CTRL + SEMICOLON (;)
- To insert the current time CTRL + COLON (.)
- To insert the default value for a field CTRL+ALT+SPACEBAR
- To insert the value from the same CTRL + APOSTROPHE (') field in the previous record
- To add a new record CTRL + PLUS SIGN (+)
- To delete the current record CTRL + MINUS SIGN (-)
- To recalculate the fields in the window F9

Paint Shop Pro shortcuts

- CTRL+Z Undo
- CTRL+N Create a new image
- CTRL+Shift+T Displays all toolbars
- CTRL+A Select All
- CTRL+D Deselects the current selection
- CTRL+S Save
- F12 Save As
- CTRL+C Copy
- CTRL+X Cut
- CTRL+V Paste as a New Image
- CTRL+L Paste as a New Layer
- CTRL+E Paste as a New Selection
- Shift+S Resize an image
- CTRL+R Rotate an image
- CTRL+B Browse your images

Microsoft Excel

- HOME Beginning of row
- CTRL + END Bottom of worksheet
- CTRL + PAGE UP / PAGE DOWN Different sheet
- END + RETURN End of row
- CTRL + SPACEBAR Entire column
- SHIFT + SPACEBAR Entire row
- CTRL + A Entire worksheet
- F8 Extend selection
- CTRL + F8 Go to next workbook
- CTRL + SHIFT + F8 Go to previous workbook
- PAGE UP / PAGE DOWN Previous / next screen
- CTRL + HOME Top of worksheet
- ALT+= Autosum
- CTRL + B Bold
- CTRL + I Italic
- CTRL + U Underline
- CTRL + SHIFT + & Border cells (outline)
- SHIFT + File Menu Close all workbooks
- CTRL + F4 Close workbook
- CTRL + SHIFT + \$ Currency number format
- CTRL + X Cut
- CTRL + ; Date
- CTRL + SHIFT + : Time
- CTRL + - Delete cells
- F2 Edit cell
- CTRL + D Fill down
- CTRL + R Fill right
- CTRL + 9 Hide rows
- CTRL + 0 Hide columns
- CTRL + SHIFT + = Insert cells
- F11 Insert chart
- ALT + SHIFT + F1 New worksheet
- CTRL + O / CTRL + F12 Open workbook
- CTRL + P / CTRL + SHIFT + F12 Print workbook
- CTRL + FV Print preview
- CTRL + SHIFT + _ Remove borders
- F4 Repeat last action
- CTRL + S / SHIFT + F12
- CTRL + ALT + TAB Tab in cell
- CTRL + Z Undo
- CTRL + SHIFT + (Unhide rows
- CTRL + SHIFT +) Unhide columns

Microsoft Word

- CTRL+SHIFT+A All caps

- CTRL+B Bold
- CTRL+I Italic
- CTRL+U Underline
- CTRL+E Centre
- SHIFT+F3 Change case of letters
- CTRL+SHIFT+F Change font
- CTRL+W Close document
- CTRL+C Copy
- CTRL+V Paste
- CTRL+X Cut
- CTRL+2 Double line spacing
- CTRL+SHIFT+D Double underline
- CTRL+END End of document
- CTRL+HOME Start of document
- CTRL+F Find
- CTRL+D Format font
- SHIFT+F5 Go back to last position
- CTRL+G / F5 Go to
- CTRL+F6 Go to next document
- CTRL+M Indent
- ALT+SHIFT+D Insert date field
- CTRL+J Justify
- CTRL+L Left justify
- SHIFT+RETURN Line break
- CTRL+N New document
- CTRL+SHIFT+B Show/Hide
- CTRL+SHIFT+N Normal style
- ALT+CTRL+N Normal view
- CTRL+O Open document
- CTRL+RETURN Page break
- ALT+CTRL+P Page layout view
- CTRL+P Print document
- CTRL+F2 Print preview
- CTRL+SHIFT+M Remove indent
- CTRL+R Right justify
- F12 Save as
- CTRL+S/SHIFT+F12 Save document
- CTRL+A Select document
- ALT+S Select table
- CTRL+1 Single line spacing
- CTRL+SHIFT+K Small caps

Internet Explorer 8

- CTRL + F Find
- F11 Full Screen
- F12 Developer Tools
- CTRL + + Zoom In
- CTRL + - Zoom Out
- CTRL + N Open current webpage in new window
- CTRL + 0 Zoom to 100%
- ALT + HOME Go to home page

A guide to servicing and speeding up a Windows PC

If your computer has gradually become slower to operate, respond and the hard disks seems to be accessing all the time then may be your computer is over due for a service. In the past I services people's computers for them on a regular basis and here is a guide as to what to do. I find that if you perform all the these tasks, it will make your PC feel almost like new again. In most cases it can prevent the need to format the hard disk and reinstalling Windows again from scratch.

- Run System File Checker.
- Scan for and remove Spyware and Adware programs.
- Clean out system startup.
- Clean registry.
- Fix the registry.
- Run Norton Windoctor.
- Run Scandisk / Norton Disk Doctor.
- Remove temp file, history files and other junk files.
- Install Latest Windows Service Packs and security fixes.
- Update or reinstall the internet explorer.
- Install latest runtime libraries.
- Scan and remove viruses.
- Perform system tweaks.
- Defragment your hard disk.
- Drivers

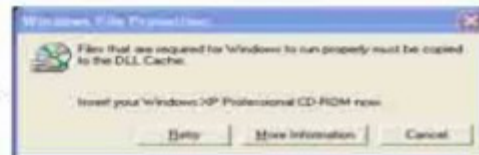
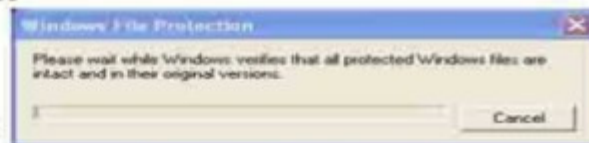
Lets take a look at each of these tasks in more detail. Run System File Checker. System File Checker is a utility that comes with Windows that checks the core system files for corruption. If a file is found to be corrupt then it will prompt you to insert your original Windows installation CD into your CD-ROM so it can restore the file. You will need the correct Windows installation CD with the correct level of service

pack installed. For example you cannot use Windows XP Professional - Service Pack 2 CD to restore Windows XP Home Service Pack 1.

To run on a Windows 95,98 or ME

- 1.click Start
- 2.Programs
- 3.Accessories
- 4.System Tools
- 5.System Info.
- 6.Then Select System File Check from the tools menu.

To run on Windows 2000 or XP Click Start - Run and type in sfc /scannow.



Scan for and remove Spyware and Adware programs.

When you install software sometime along with that software Spyware or Adware programs are install along with it without you knowing. These programs monitor things like your surfing habits and report them back to their creators for marketing research. They can also display internet pop screens will your surfing to advertise other companies

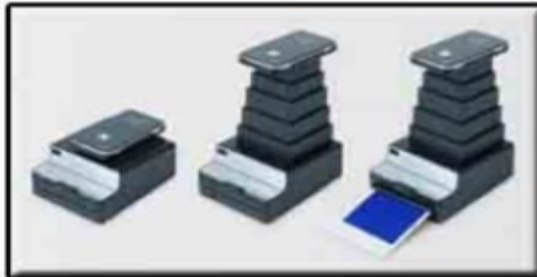
The Impossible Instant Lab – for High Tech Retro Photos

Is there anyone out there (thats old enough) that didn't own a Polaroid camera? I remember when one of those little fold up leatherette SX-70 cameras was about as high tech as you could get. Listening to the little motor grind as the picture fed out of the hopper, warming the picture against your chest or waving it in mid-air in the hopes of hastening the developing process. The camera is a dinosaur, and its demise marked the end of an era.

Or did it? Who knew there was a whole bunch of us out there that still loved the instant photo? Well, The Impossible Instant Lab will make you smile, while it bridges the gap between digital and concrete, by taking the photos stored away on your iPhone and turning them into actual Polaroid-esque prints, to have, and to hold, or simply to give away.

The folks over at Impossible (located in Germany) were so passionate about the old Polaroids they actually bought the factory (to ensure film stockpiles) and set out to develop a device that would get your stored photos out of digital storage, and into the real world with all the style and wonder of those beloved foldable cameras.

The Impossible Instant Lab is another really cool Kickstarter project that raised a lot more than its original 250 thousand dollar goal, all with time to spare. So if you're itching for a picture you can watch develop before



your eyes complete with the iconic white border then keep your eye out for The Impossible Instant Lab, available for pre-order at a discounted price of around 229 bucks. Shipping is expected in February of 2013. Please visit kickstarter.com for video and more information. Say cheese!





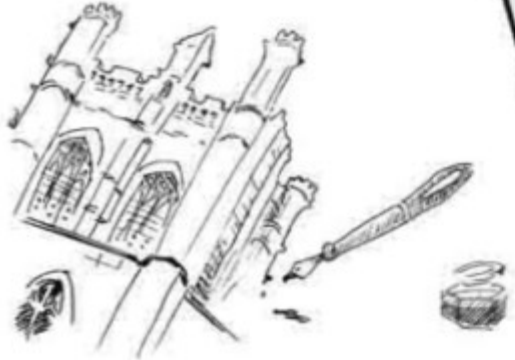
Swami Vivekananda

The Big Draw



Mahatma Gandhi

- S.Divya, 3rd



The All New APPLE I PHONE-5

iPhone 5 is just 7.6 millimeters thin. To make that happen, Apple engineers had to think small, component by component. They created a nano-SIM card, which is 44 percent smaller than a micro-SIM. They also developed a unique cellular solution for iPhone 5. The conventional approach to building LTE into a world phone uses two chips - one for voice, one for data. On iPhone 5, both are on a single chip. The intelligent, reversible Lightning connector is 80 percent smaller than the 30-pin connector. The 8MP iSight camera has even more features - like panorama and dynamic low-light mode - yet it's 20 percent smaller. And the new A6 chip is up to 2x faster than the A5 chip but 22 percent smaller. Even with so much inside, iPhone 5 is 20 percent lighter and 18 percent thinner than iPhone 4S.



A remarkably slim design that still makes room for a larger display and a faster chip. Ultrafast wireless that doesn't sacrifice battery life. And all-new headphones designed to sound great and fit comfortably. So much went into this iPhone. So you could get even more out of it.

Thin, sleek, and very capable.

It's hard to believe a phone so thin could offer so many features: a larger display, a faster chip, the latest wireless technology, an 8MP iSight camera, and more. All in a beautiful aluminum body designed and made with an unprecedented level of precision. iPhone 5 measures a mere 7.6 millimeters thin and weighs just 112 grams. That's 18 percent thinner and 20 percent lighter than iPhone 4S. The only way to achieve a design like this is by relentlessly considering (and reconsidering) every single detail - including the details you don't see.

Price ranges from \$199
Will be available in India
from October

Aroma USB – Freshen Your Space and Your Mood

One of my first jobs was working in a huge office in one of those little cubicles. It wouldn't have been so bad if the guy that worked directly across from me didn't bring the most horrific things into the workplace to have for lunch. I'm talking liver and onion leftovers, some sort of day old curry and a runny brown concoction that I never was able to identify. I used to just sit in my rickety old desk chair and gag.

If only I had the Aroma USB, an incredibly useful USB operated cold mist ultrasonic fragrance dispenser. This non storage USB can be used with almost any fragrance oil available on the market, and it can deliver its ambiance enhancing scent for up to an entire week on a single refill. The Aroma USB promises to envelope up to a 10 foot area in aromatherapy -like bliss.

The Aroma USB allows you to adjust its fragrance strength and use just what you need in order to mask any unpleasant smells perhaps emanating from your neighbor. This may be the perfect secret santa gift for your less than sweet smelling roommate or office buddy, and, it could be the only hint they need.



The Aroma USB is currently only available in white and sells for under 30 bucks. So get one for yourself, or for one of your smelly friends at yankodesigns.com and then feel free to have that chili for lunch... or wear your dirty socks for another day.



HR-Question

Review these typical interview questions and think about how you would answer them. Read the questions listed; you will also find some strategy suggestions with it.

1. Tell me about yourself:

The most often asked question in interviews. You need to have a short statement prepared in your mind. Be careful that it does not sound rehearsed. Limit it to work-related items unless instructed otherwise. Talk about things you have done and jobs you have held that relate to the position you are interviewing for. Start with the item farthest back and work up to the present.

2. Why did you leave your last job?

Stay positive regardless of the circumstances. Never refer to a major problem with management and never speak ill of supervisors, co-workers or the organization. If you do, you will be the one looking bad. Keep smiling and talk about leaving for a positive reason such as an opportunity, a chance to do something special or other forward-looking reasons.

3. What experience do you have in this field?

Speak about specifics that relate to the position you are applying for. If you do not have specific experience, get as close as you can.

4. Do you consider yourself successful?

You should always answer yes and briefly explain why. A good explanation is that you have set goals, and you have met some and are on track to achieve the others.

5. What do co-workers say about you?

Be prepared with a quote or two from co-workers. Either a specific statement or a paraphrase will work. Jill Clark, a co-worker at Smith Company, always said I was the hardest workers she had ever known. It is as powerful as Jill having said it at the interview herself.

6. What do you know about this organization?

This question is one reason to do some research on the organization before the interview. Find out where they have been and where they are going. What are the current issues and who are the major players?

7. What have you done to improve your knowledge in the last year?

Try to include improvement activities that relate to the job. A wide variety of activities can be mentioned as positive self-improvement. Have some good ones handy to mention.

8. Are you applying for other jobs?

Be honest but do not spend a lot of time in this area. Keep the focus on this job and what you can do for this organization. Anything else is a distraction.

9. Why do you want to work for this organization?

This may take some thought and certainly, should be based on the research you have done on the organization. Sincerity is extremely important here and will easily be sensed. Relate it to your long-term career goals.

10. What is more important to you: the money or the work?

Money is always important, but the work is the most important. There is no better answer.

Computer viruses, trojans, malware, Ransomware, botnets: Web attacks are soaring

The bad guys are winning the war on cybercrime. Computer viruses, trojans and web attacks are soaring at their fastest pace in four years.

In its quarterly "Threats Report," Intel subsidiary McAfee said that it had found more than 8 million new kinds of malware in the second quarter, up 23% from the first quarter. There are now more than 90 million unique strands of malware in the wild, the security company said.

Microsoft Windows PCs remain by far



The largest targets for malicious cyberattacks, but hackers are targeting other devices too, including Apple Macintosh computers and mobile phones.

"Attacks that we've traditionally seen on PCs are now making their way to other devices," said Vincent Weaver, head of McAfee Labs. "This report highlights the need for protection on all devices that may be used to access the Internet."

Apple got a wake-up call in the second quarter. The company had advertised that Macs didn't get viruses, but a virus called "Flashback" changed all that. The scary piece

of malware, which infected hundreds of thousands of Macintosh computers, looked like a normal Adobe Flash browser plug-in but stole thousands of usernames and passwords.

As Macintosh grows its PC market share — it is now the third-largest computer platform in the United States — hackers have increasingly targeted Apple computers. This summer, the company scaled back its security claims.

Google is also a growing recipient of attacks. The company's mobile Android software is the target of virtually all new mobile malware — viruses that are soaring in number. So far, McAfee has found about 13,000 different kinds of mobile malware this year, compared to fewer than 2,000 in 2011.

"Android malware shows no signs of slowing down, putting users on high alert," the company said.

New kinds of attacks include sending spam text messages, commandeering a phone for use in massive botnets, holding a phone hostage in exchange for ransom, and attacking a phone in a "mobile drive-by."

"Ransomware" — a popular tool for cybercriminals a decade ago — is fashionable again on smartphones. After a user inadvertently downloads a piece of ransomware, the virus take control of the user's device and data, relinquishing it only if the user pays money to the attacker.

After years of ransomware dormancy, the attack method has grown rapidly in recent months. The second quarter was the biggest ever for new kinds of ransomware.



KNOW THE PEOPLE AROUND YOU!!!

1. Could we know about your academic career and why did you come into this?

I have around 42 years of experience in educational administration & started my career as a junior instructor. To begin with I did my Diploma in Mechanical Engineering from PSG Institute of Technology in the year 1964. Next, I did my post diploma in Automobile Engineering from NPT. After completing one and a half years of post diploma, I worked as an instructor with SIR G.D. NAIDU (Edison of India) for a year out of my own interest. Then I joined The Ramakrishna Mission Vidyalaya, Coimbatore as an instructor. In 1966, I joined NPT because of the Principal's request and also because of my interest to join AMIE (Associate Member Of The Institution of Engineers) and do Higher Studies. Then I Did my Part Time B.E Mechanical in CIT, Coimbatore. I took a break from work for 2 years and completed my M.E Mechanical again in CIT, Coimbatore as fulltime. I was also the in charge of the Automobile department and also the Head of Department for 10 years. It was in 1994 that I was elevated as the principal of NPT. Since it is a Government Institution I received my official retirement in June 2000. MCET was started in 1998, and I became the Founder Principal and Secretary, MCET. After my Retirement from NPT in the year 2000 I took in charge as the Secretary, NIA Institutions, because of the request of the Management and my interest towards the student community. Since then I have served as a Secretary for both the NPT & MCET for 12 fruitful years. In the year 2007, the Vanavarayar Institute of Agriculture also joined the NIA Institutions which also came under my management. Currently three nursery schools, three Higher Secondary Schools, three Colleges and around 13000 students are under my supervision.

2) What are you Passionate About?

From childhood I have been fascinated about Automobiles especially two-wheelers. In my Youth even after my marriage I kept changing my bike every two years. Almost any new model launched in the market, would become mine. Doing service to students is my inherent Interest and hobby which is why I chose this profession and also love having conversations and interactions with students. I have good linkage with Automotive Industries which has given me a good insight in the field. I feel Privileged that some of my students are holding proud positions in the industries.

3) What is the reason for taking up such a research instead of something under your area of expertise?

Other kind of researches such as product based will not be very useful. Seeing the real plight of students not being able to survive in the industry has driven me into this kind of research. I would like to analyze the possibilities that a college can have for co existing with the industry. Students should have hardcore technical skills and role readiness to face the diligence. Through my thesis I would like to explore the requirements of the industries, expose students to the latest trends and create a platform for the students to be uplifted. Several plans to be different and produce graduates with a cutting technology edge have been executed.

4) How can this Academic industry collaboration be achieved?

Not all industries will be interested for such a partnership. It is our duty to identify and enter into collaboration with those interested. For example in our college a staff has been exclusively nominated for this purpose. Mr Subramaniam , Executive Academic –Corporate Relationship, has been doing his role effectively. His duty is to connect the corporate with its respective department for benefitting the students.

5) Could we know anything about your Research or Thesis?

I am currently doing a research on “EFFECTIVENESS OF INDUSTRY–ACADEMIC COLLABORATION IN ENGINEERING COLLEGES” and soon will be submitting it to the “MADRAS UNIVERSITY”. The research is being done in association with TVS MOTOR Company on collaborative Partnership basis and around 11 engineering colleges in Tamil Nadu from SSN, PSG, etc, are being studied for this purpose. Every year around 30 students are funded, trained and given job for five years by TVS Motor Company. This plan of TVS inspired me to take such a thesis. It can be seen that these students are more equipped to face the industry than the others. This Difference in the skillset of students has driven me in to this. Several Industry Oriented Programmes such as CISCO Networking, Oracle etc, have been established inside our own campus for benefitting the student community. My research is to study how effectively these programmes are being utilized and what are the benefits derived from them by both the student community and the industry. My opinion is that unless and until you equip yourself and is ready to perform in this competitive world, a degree is just a paper. I hope my thesis would help analyze the best model adopted by a college and bring it under limelight so that other colleges can also benefit from it.

“BRAVE MAN PATH’S
LEAD TO SUCCESS”

KEEP YOUR THOUGHTS POSITIVE
BECAUSE YOUR THOUGHTS BECOME
YOUR WORDS.

KEEP YOUR WORDS POSITIVE
BECAUSE YOUR WORDS BECOME
YOUR BEHAVIOR.

KEEP YOUR BEHAVIOR POSITIVE
BECAUSE YOUR BEHAVIOR BECOMES
YOUR HABITS.

KEEP YOUR HABITS POSITIVE
BECAUSE YOUR HABITS BECOME
YOUR VALUES.

KEEP YOUR VALUES POSITIVE
BECAUSE YOUR VALUES BECOME
YOUR DESTINY.

~ MAHATMA GANDHI