



December 2011

# THE CPU



Official Bulletin of IAP-CMIC

Computer & Medical Informatics Chapter

Editor : Dr. Yatin Mehta

## Message from Chairperson, IAP – CMIC

Dear Members,

It is a great pleasure writing to you through our bulletin CPU.

CMIC is thriving well with increasing membership and great attendance at our programs. The Symposium and work shop at Pedicon 2011 were very well attended. They were appreciated for their content and presentations. It evoked plenty of discussion due to practical implications. I sincerely thank all members of CMIC and faculty for their interest and efforts. IAP DF is doing very well under able editorship of Dr. Jeeson. I also appreciate work done by Dr. Deepak conducting workshops in South India. Our dynamic Secretary Dr. Yatin is putting in hard work to keep the activities going. Dr. Amit Shah is looking after the website well as usual. I appeal all members to attend our programs at the upcoming Pedicon 2012 at Gurgaon.

Wishing you all very best.

Satish Pandya

Chairperson, CMIC

## Message from Secretary, IAP – CMIC

Dear Computer Savvy Colleague(s),

Greetings from the desk of CMIC secretariat.

It's my pleasure communicating with you through CPU.

In this issue of CPU, I have included an interesting article on "My Experience with Programming" by Dr. Bhavesh Shah. Dr. Bhavesh Shah is a Practicing Pediatrician in Vadodara who has on his own learnt a programming language & has written his personal Practice Management Software (just like our IAP-Pediatric Software). It is very interesting to go through his narration about his journey through programming.

Another article selected is by a gizmo king - Dr. Manoj Ambwani. He writes about his hands-on experience about iPad-2. Dr. Manoj Ambwani is a veteran in the use of computers & is using computers in Practice Management since 1996. He has remained very close companion in my journey in the world of computers.

I have included a section called software review in which one of the good software will be reviewed regularly.

I am sure that all the articles will not only interest you but inspire you to use the technology more & more in day to day life.

The program of CMIC - sub specialty chapter symposium for forthcoming Pedicon2012 is ready and is presented in this issue.

We are working hard to finalize the selection of new vendor for IAP Pediatric Software - the one who can offer us good software satisfying our majority of requirements.

More in subsequent issue,

Yours in the service of IAP- CMIC,  
Dr. Yatin Mehta

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# iPad-2 – An Irresistible Device

**Dr. Manoj Ambwani**  
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What makes a device tick? Hardware to certain extent but it is the software, which makes it more desirable and enjoyable!!

This holds absolutely true for Apple iPad 2 with more than 1,40,000 applications already

available and many being written by third party vendors. It is truly a wonderful experience.

The Apple quality on top of all this leaves you with magnificent machine in your hands.

## Specs

- 1 GHz dual core Apple A5 chip
- Built in rechargeable Lithium polymer battery giving a 10-hour working power.
- Three-axis gyro, accelerometer and ambient light sensor.
- Front and Back facing cameras for video talking, taking photos and also video.
- The 3 models have 16 GB, 32 GB and 64 GB SSD storage mediums.
- Amazingly thin and light – 8.8 mm thin and weighs only 613 gms.
- Models have Wi-Fi only and Wi-Fi + 3G.
- It has 9.7 inches LED display with multi touch.

Coming now to the main reason why it is selling like hot cakes.

What can I do with it?

Practically everything.

## Productivity

- 1. Contacts :** this is a in-built application where you store all your details of your contacts as in a mobile phone (you can sync your mobile contacts) and dial away directly from there.
- 2. Calender :** This is where your birthdays, anniversaries and day to day to do list is stored. You can set alarms and reminders. You can have two or more different calenders for work, home , friends, etc.

- 3. Facetime :** This is an in built application for video talking to your contacts but works for apple to apple products. Skype is the best and free and works across all platforms – windows, mac, linux, ipad, iphone, etc.



- 4. Pages :** this is word processing software like Microsoft word. You can do everything with this from documents to brochures to flyers to resumes to cards and invitations, etc. You can buy an manual keyboard as an accessory and write as normally or use the touch keyboard on the multi touch screen.

- 5. Numbers :** this is an excellent software for accounting similar to Microsoft Excel. It has lots of features like putting in 3D charts , tables, graphs, etc.

- 6. Keynote :** this is again similar to Microsoft Power point but has lots of different additional features and animations. You just simply love to work on keynote for preparing presentations

- 7. Airprint :** you can directly print your documents with a Bluetooth or Wi-Fi enabled printer.

- 8. Airplay :** you can directly connect through apple TV to play games or watch movies on the big screen of your 50" LED TV.

## Reading Books

Initially the idea of a small hand held reading device came from the success of Amazon's Kindle. But then that could be used only as a reading device and to certain extent surf the net. The iPad 1 was doing that and that too in colour and doing thousand more things. The iPad 2 had front and back camera added for video talking and to be used as an phone and taking pictures and videos.

- 1. iBooks :** this is the application from apple for reading epub format books and PDF books and documents. The amazing feel and interface throws you in a literal library – here you have a bookshelf where you pick up the book you want to read. The reading is again a wonderful experience as you can change the fonts, size, brightness, background, etc. You have to see it to believe it.



- 2. Kindle :** the mobi format of books available for kindle can be read by downloading the free kindle application.

- 3. CHMate :** Reading the medical books available in the .chm format you need this application. For me reading Nelson or Harrison's is a treat. You do not have to carry the heavy books around.

- 4. Kobo :** similar to iBooks this is again a free application for reading many formats like epub, pdf, .doc, .txt, etc

- 5. Adobe acrobat reader :** the king for reading the PDF format. Very good interface and ease with which it handles the PDF documents is excellent.

- 6. Flipboard :** I rate this as number 1 application of iPad 2. It is free. It has worlds best magazines – all different categories like news, business, travel, technology, entertainment, women's, men's, Living, Arts, Photography, etc. On top of that it has social networking sites like facebook and twitter embedded in it. Simply fantastic.



- 7. Times of India :** yes you have the daily paper on your iPad free and all editions like Ahmedabad, Mumbai, Hyderabad, Delhi, Bangalore, etc.

- 8. Hindustan times :** I liked the interface better then the times of India. Photos and videos – you can watch more than just reading.

- 9. NDTV :** you have news and videos. The best part is you can watch live TV of all the 5 NDTV channels – NDTV hindi news, NDTV English news, NDTV good times, NDTV hindu and NDTV profit.

- 10. BBC News**

- 11. CNN News**

The list can go on and on as there are India today magazine , Reader's digest, National Geographic, NY Times, etc etc.

## Games and entertainment

This is where iPad scores far above the competitors. Thousands and thousands of applications for the child in you.

If I explore 10 to 15 applications daily , it will take me 7 years to explore them all and that is if no new applications are written. Which is not to be as few months back only there were 90,000 applications and as of today there are 1,40,000.

Different developers make these third party applications and apple gets 30% of revenue earned by each one of them. No wonder Apple is the richest company in the world today leaving behind Microsoft also.

A very difficult task to select only 10 games

1. Angry Birds : this has been number one on all paltforms
2. Fruit Ninja
3. Unblock Me
4. Need for Speed
5. Real racing 2
6. Rise of Atlantis
7. Cut the rope
8. Air Hockey
9. Ducati
10. Critter Quitter

## Medical Applications

1. First Consult
2. Web MD
3. Case files
4. Pediatrics
5. Merck Mnual
6. Epocrates

On and on and on there are more than 3000 medical applications. Someone can write a full article on iPad Medical applications.

## Photos and albums

I love the way you can handle photos and albums on the iPad. Simply load all your 5000 photos and show them off to your friends and relatives without having to carry the heavy albums.

You can just pinch and multi task making the photo grow larger them actuals with amazing clarity. You would never have seen your lips so big on the screen.

## Watching Movies and Listening to Music

People first thought that it is an iPhone or iPod with a bigger screen only. But the iPad proved then wrong. With capabilities of watching movies on big screen and working as an iPod for listening songs this device does thousands of things.

Wow wow wow so an iPad can surf the net, email, facebook and twitter, video calling , watching movies and listening to music, doing all your computer work like word, excel, power point, editing and taking photos and videos, playing games and reading newspapers, magazines and books.

**Giving it full marks. Go ahead and enjoy the tablet.**

# Do it yourself – in Windows XP Hacking the Desktop (Part-1)

## Dr. Yatin Mehta

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Studies have shown that customizing your desktop will result in a 64% increase in productivity as well as a 248 % increase in happiness levels of computer users.

This write-up will show you some cool tricks and tools to make your desktop look and work much better so that you can also benefit from a customized desktop. Starting with the icons, it will show you how to remove, enlarge, replace, and adjust the special effects, such as the drop shadows. Then, it will move on to customizing the way your desktop behaves and operates by using Active Desktop and a cool desktop Power-Toy. The desktop seems like a pretty simple part of the operating system, but there is a lot you can do to it to make using your computer more efficient as well as fun.

### Customizing Desktop Icons:

The first time I started up Windows XP (after fresh format), I was shocked to find only the Recycle Bin icon on the desktop. Where were the rest of the icons? Did the install screw up? With the introduction of the Start panel, the same icons on the desktop are just not needed. Now, the desktop looks much cleaner and more visually appealing because there are not 50 icons on the screen blocking your view of the wallpaper. I have to admit, I like the clean interface, but I miss some of the icons that used to be on the desktop. Thankfully, you can do a number of different things to customize the desktop to bring back some of the old icons and also customize them so that you can preserve the clean look while restoring functionality. This write-up will show you how you can get your desktop looking the way you want it to by taking advantage of hidden features and tricks.

### Removing all icons from the desktop:

No matter how hard I try, I always end up with a lot of junk on my desktop. From programs that I download and documents that I was too lazy to save elsewhere as well as new program links that seem to pop up from nowhere, there is never an end to the war that I fight with my desktop to keep it clutter-free. I like to be able to see my desktop wallpaper and not have my view of the wallpaper blocked by useless icons. One great way to win the never-ending desktop war is to just disable the desktop's ability to show the icons and instead place the most common desktop icons, such as My Computer and the Recycle Bin, on the Quick Launch bar.

Disabling the icons on the desktop is actually a very simple task. Most people never know about this feature, because it is placed where you would really never expect it. To get started, just right-click Desktop. Then expand Arrange Icons By and select Show Desktop Icons to unselect it. After a few seconds, the icons will disappear.

Don't worry the icons and folders on your desktop were not deleted. If you ever want to turn the icons back on, just repeat the preceding steps once more.

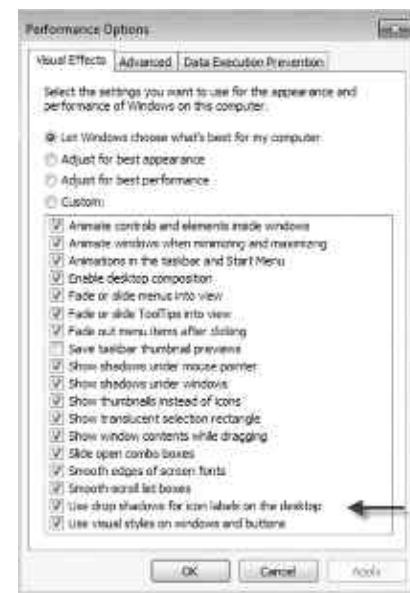
This is a very simple way to quickly clean up the desktop. It's sort of like sweeping the dirt under a rug. The desktop clutter is still there, but you just can't see it.

### Customizing the icon drop shadow effect:

One cool new feature of Windows XP is the Use Drop Shadows for Icon Labels on the Desktop. This new effect really makes the icons stand out from your wallpaper and makes them much easier to read when you are using a background, such as a photo, that has both light and

dark spots. The Use Drop Shadows for Icon Labels on the Desktop can be turned on or off. Depending on the wallpaper that you are using, you may like or dislike the feature. I really like the new effect, but if you like having a clean and crisp interface, I recommend disabling the effect. Follow these steps to turn the feature on or off:

1. Click the Start button, and select Run.
2. Key in `sysdm.cpl` and click OK to launch system properties.
3. Click the Advanced tab, and then click the Settings button under the Performance section.
4. While on the Visual Effects tab, scroll down to the bottom of the box.
5. Locate Use Drop Shadows for Icon Labels on the Desktop, as shown in following figure, and check or uncheck the value, depending on what you would like to do.
6. Click OK to save your changes.
7. Click OK once more to close the System Properties window.



### Displaying the traditional Windows icons:

Now that Windows XP includes the new Start panel with shortcuts to My Computer, My Documents, My Network Places, and Internet Explorer, the shortcuts on the desktop are less important and Microsoft decided to remove them. If you are a user that doesn't like clutter on your desktop, then this feature is great for you. But if you like the old way of using Windows, and like the desktop to be the center of your navigation instead of

the Start panel, then you are out of luck.

However, just as with other new features in Windows XP, with the desktop you can revert to the old way of doing things. Turning the desktop icons back on involves a little more effort than just switching back to the classic Start Menu, but doing so still is not very difficult. Follow these steps and you will be able to select which icons you want back:

1. Right-click the desktop and select Properties.
2. Click the Desktop tab and then click the Customize Desktop button at the bottom of the window.
3. Then, on the General tab, just select the check box next to the icons you want to display, as shown in following figure.



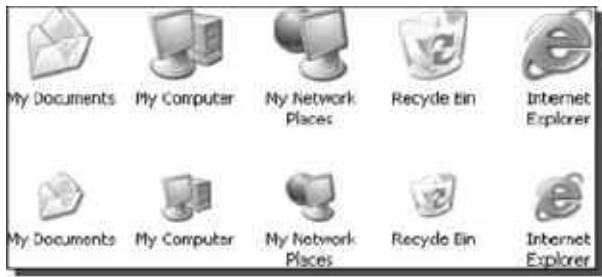
4. Click OK to save your changes.
5. Click OK once more to close display properties.

You will see the icons on your desktop immediately after you complete the steps.

### Enabling large icons on the desktop:

Windows XP has support for larger and more colorful icons than any other previous Windows version. The support for high-quality graphics is one of the reasons why Windows XP looks so much better than previous versions of Windows. This section will show you how to take advantage of the new graphical enhancements to make your desktop look cool.

Two different sizes of icons are used on the Windows XP desktop. The normal size for icons in Windows XP is 32 by 32 pixels. Windows XP also has support for larger icons, which are 48 by 48 pixels. Following figure shows the difference in size between the two icons.



Use of the larger icons will not only help your vision but will also make your desktop look more visually pleasing, because the larger icons are more detailed.

I recommend that you turn the large icons on, to see how you like it. If you have a large monitor, chances are that you will love the large icons. Some of you, however, may not like them because they take up more space than the smaller icons and decrease the amount of icons that can fit on your desktop. Although this is a tradeoff, I feel the high-resolution icons are worth it. To get started, follow these steps:

1. Right-click the desktop and select Properties.
2. Click the Appearance tab and then click the Effects button.
3. Check the Use Large Icons box, as shown in following figure.
4. Click OK to save your changes.
5. Click the OK button again to close display properties.



The large icons should be displayed immediately after the change. You will notice that some other icons will also enlarge. This is a side effect of using this tip, because it is impossible to adjust just the size of the icons on the desktop. However, only the icons that you see when you browse your computer and use the Control Panel are slightly larger. None of the other icons are changed.

To revert to the normal-sized icons, just repeat the preceding step and uncheck Use Large Icons.

#### Removing the text below the icons:

Icons and text always go together. Every single icon on your desktop has to have a label below it. If you have a lot of icons on your desktop, the text under the icon is very valuable. However, if you have few icons on your desktop, you can get away with just using the icons alone. Doing so will result in a much cleaner interface. Amazingly, your

desktop will look much simpler and cleaner without the labels below the icons.

How is it possible not to display the text? Well, it is actually just a trick. You are not really removing the text under the icons. Instead, you are replacing the name of the icon with some characters that the computer will not display. Renaming the icons would be very easy if all that was involved was clicking the name and pressing the spacebar a few times. Unfortunately, that is not the case, because Windows does not allow you to enter in a space with the spacebar. Instead, you can use the ASCII code for a space. Every character that is used in the computer is stored in the PC as a code for a character. For example, the ASCII code for an s is 0115; the ASCII code for a copyright sign is 0169, and so on. You will be interested in the ASCII code for a character that shows up as a blank space, which is 0160. Now that you know the basics of ASCII, let's rename some files.

1. Start with the first icon that you want to rename: right-click it and select Rename.
2. Select all of the text, and erase it with the Backspace key.
3. Now, enter in the ASCII code for the space, so make sure your Numlock is on, and just press and hold the Alt key while typing in 0 1 6 0 on the numpad on the right of the keyboard.
4. When you have finished typing in 0 1 6 0, let go of the Alt key and the blank space will be inserted.
5. Then, just press Enter to save the new name.

If you want to remove the text of multiple icons, then you will have a problem with the instructions because each shortcut or item must still have a unique name. One easy workaround is to enter in the ASCII code as the previous directions indicate, and then add a space using the spacebar after it. The first icons will have the ASCII space code + one space; the second icon will have the ASCII space code + two spaces, and so on.

Removing the text below the icons also allows you to do some fun things with the placement of your icons. Try removing the name of several icons. Then, turn on large icons, if you have not already done so, and line them up just above the taskbar. This will give you a setup that is similar to the bar on Apple's OS X. Although your icons won't be animated and bounce around, you will be able to set up your interface so that it looks like the OS X setup.

(to be continued, part-2 next time)

## Minutes of the Annual General Body Meeting of IAP – CMIC:

The annual GB Meeting of IAP – Computers and Medical Informatics Chapter was held at Pedicon-2011 at Jaipur on 22nd January 2011 and following members were present in the meeting.

- 1) Dr. Jesson Unni
- 2) Dr. Satish Pandya
- 3) Dr. Manoj Ambwani
- 4) Dr. Niranjani Shendurnikar
- 5) Dr. Pallab Chatterjee
- 6) Dr. Deepak Chirodani
- 7) Dr. Ajay Kumar
- 8) Dr. Palani Raman
- 9) Dr. Yatin Mehta

1. Secretary's report was read by Dr. Satish Pandya and was approved.
2. Accounts were presented and passed.
3. Election results were informed by Dr. Satish Pandya and following is the new team for the year 2011.

Advisors : Dr. Naveen Thacker  
Dr. C.P. Bansal

Chairperson : Dr. Satish Pandya

Secretary : Dr. Yatin Mehta

Treasurer : Dr. Ajay Kumar

Web Master : Dr. Amit Shah

North Zone : Dr. Rajinder Gulati

Central Zone : Dr. Mukul Tiwari

West Zone : Dr. Sanjeev Goel

South Zone : Dr. Deepak C.E.

East Zone : Dr. Pallab Chatterjee

Editor in Chief : Dr. Jesson Unni

IAP Drug Formulary

4. Pediatric software matter: Dr. Satish Pandya informed about decision taken during the executive board meeting of IAP regarding IAP Pediatric Software. The present developer Vraj Consultancy of Mumbai has failed to keep promise to deliver a workable software in last 2 years and hence it was decided that the whole issue of development of IAP Pediatric Software should be looked into afresh. New potential vendors should be

invited to present their software. After due scrutiny, CMIC will decide on one software and then in turn inform the Executive Board of IAP. The Executive Board of IAP also decided not to invite Maze designer.

The CMIC - Executive Committee further discussed the issue regarding approaching various developers and decided as follows.

- 1) Dr. Ajay Kumar will approach doctor 2000
- 2) To write to Dr. Tanmay Amladi regarding Mumbai based software developer
- 3) Dr. Satish Pandya to approach VSS – Ahmedabad
- 4) Dr. Pallab Chatterjee to explore in his city
- 5) Dr. Yatin Mehta to approach A.K. Gupta of Delhi
5. Issues related to IAP drug formulary: The Executive Committee unanimously appreciated the growth of IAP – Drug Formulary and the efforts put in by Dr. Jesson Unni. Considering widening of the working of IAP – Drug Formulary, it was decided to write to Dr. Tanmay - Secretary Central IAP to arrange a meeting between CMIC office bearers, Central IAP office bearers and Dr. Jesson Unni (editor in chief – IAP Drug Formulary) to work out status of IAP drug formulary vis a vis CMIC. The areas to be discussed in such a meeting are role of CMIC in future growth of IAP – Drug Formulary and its finances.
6. Venue for Annual Conference of CMIC: The issue of holding National Conference of IAP – CMIC at Hassan with Satellite telecast was discussed at length. It was unanimously decided that considering the Finances and logistics involved it would not be possible to do so. Dr. Deepak Chirodani would explore the possibility of holding the Conference at either Mysore or Bangluru.
7. Registration of the chapter. It was decided to start the process of registration of the chapter at Vadodara. Dr. Satish Pandya, Dr. Yatin and Dr. Sanjeev Goel were assigned the responsibility.

Meeting ended with thanks to the chair.

# My experience with programming

## Dr. Bhavesh Shah

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I remember those days when I was doing my M.D. in Pediatrics. I used to visit National Informatics Centre to search articles on Medline for reference. Computers was something new but fascinating to me. It was a luxury that time and I never thought of having computer at that time.

Thanks to my computer savvy friends Dr. ManojAmbwani & Dr. Yatin Mehta who inspired me to start using computers. I can never forget the keen interest they took to even teach me ABC of computers when I bought my first PC.

My prime interest that time was to use computers for patient management, which I started in year 1998. It was a real joy for me as it made a lot of difference in patient management. Once I started using the software, so many ideas started bubbling in my mind. I thought that the software needed much improvement. I communicated to the developer and gave many suggestions, but kept on waiting for implementation. Gradually, a new thought started emerging, which though seemed difficult, but again fascinating like having first PC. I started dreaming of my own practice management software, which can incorporate all my ideas so that I can manage my office practice more efficiently. Again the inspiration was Dr. Yatin Mehta, who had already designed Ophthalmic Practice Management Software for his wife Dr. Neeta Mehta. I started believing that a doctor can be the best software developer for such software as he knows better what he expects from such software.

To fulfill my dreams I decided to learn Programming Language and the choice was Visual Basic 6 as it was the most popular programming language that time. It

was a challenge by me to myself and I was not sure whether I will be able to do this. Anyways, I was not going to lose anything in case of failure except time for learning something amazing. I could manage to find an NIIT faculty who would come and teach me (and my cousin) Microsoft Access & then VB6 once in a month or fortnight at my hospital whenever convenient to three of us. I enjoyed learning the language as it was a good mental exercise full of logics. These teaching sessions continued for approximately one year and by that time I had some basic insight in the programming language. I started working on my dream project while learning the programming language. I also tried to develop few utilities for example staff management utility to manage staff salary.

It was difficult to find time during day because of busy schedule, but I could manage to sit starting from 11:30 PM onwards till 2, 3 or 4 AM. It was sometimes exhausting sitting for long hours, but hope for something exciting didn't let my morale down. I got good cooperation from my family members, though sometimes they used to get irritated for sparing time (to them wasting time) which they deserved. I got help from Mr. Manish Soni for fonts who happily consented to use "Sulekh" fonts and offered his help if required. I took a lot of help from books and different websites for learning and solving difficulties.

It took almost 6 years to develop something which could be used satisfactorily. I was hesitant to start using it for myself as I was already using one for so many years. I offered this to few of my doctor friends (of different specialties) who were not using any software. They used it mainly for accounting purpose, i.e. for issuing receipts and 3C Case Register generation. Gradually I developed courage to use it for myself. Once I took the decision, I started working on a utility to transfer data from the

previous software to the new one. Finally my dream came true in year 2007. I installed the program in the PC at reception, but am still using project file in my room so that any error is corrected promptly while using the program. Earlier I used to get many errors, but gradually it has become almost free of bugs. I am very happy using my own practice management software as it has all the features I wanted to have, except few things like growth curves which I couldn't learn.

Another task for me was to send useful age appropriate SMS's to my patients regarding vaccine reminders, feeding advice, developmental milestones, toy advice, birthday wish and intimation regarding closure of my hospital when I am on vacation. I got an excellent provider with the software which can fetch data from my database. I prepared utility to create database for sending those SMS on scheduled dates. For last 4 years, I am sending SMS through third party software using my database. I send it to selected patients who have given written consent. Only thing I have to do it is to sit on first week of every month with new consent forms accumulated in last month, update patient database and then schedule SMS date wise for one month. It takes hardly 20-30 minutes, but is very useful to my patients and is well appreciated too. I have prepared a separate utility to send SMS to my group of friends for sending reminders regarding Birthday, Anniversaries etc. so that no one forgets to celebrate those special events.

Recently I have started realizing that the program has become slow. This is because of the bulky database, the way I have written lengthy codes and mistakes in declaring variables. Instead of correcting those mistakes, I thought of learning latest version of Visual Basic to improvise on what I have done. But I was advised by software people to learn C-Sharp or Java instead of VB 2010 or VB.net. For that, pre-requisite is to learn C & then C++. I joined NIIT this year and finished learning C language. I took break after that because of increased work load. I am hopeful to finish learning other languages by next year so that I can start working on my next project.

**Learning is a never ending process and if it is with some goal or vision, it makes wonders?**

### Bill Gates Meets His Match

The following is a conversation overheard as Bill Gates was moving into his new house...

**Bill:** "There are a few issues we need to discuss."

**Contractor:** "Ah, you have our basic support option. Calls are free for the first 90 days and \$75 a call thereafter. Okay?"

**Bill:** "Uh, yeah... the first issue is the living room. We think its a little smaller than we anticipated."

**Contractor:** "Yeah. Some compromises were made to have it out by the release date."

**Bill:** "We won't be able to fit all our furniture in there."

**Contractor:** "Well, you have two options. You can purchase a new, larger living room; or you can use a Stacker."

**Bill:** "Stacker?"

**Contractor:** "Yeah, it allows you to fit twice as much furniture into the room. By stacking it, of course, you put the entertainment center on the couch... the chairs on the table... etc. You leave an empty spot, so when you want to use some furniture you can unstack what you need and then put it back when you're done."

**Bill:** "Uh... I dunno... issue two. The second issue is the light fixtures. The bulbs we brought with us from our old home won't fit. The threads run the wrong way."

**Contractor:** "Oh! That's easy. Those bulbs aren't plug and play. You'll have to upgrade to the new bulbs."

**Bill:** "And the electrical outlets? The holes are round, not rectangular. How do I fix that?"

**Contractor:** "Just uninstall and reinstall the electrical system."

**Bill:** "You're kidding!?"

**Contractor:** "Nope. Its the only way."

**Bill:** " Well... I have one last problem. Sometimes, when I have guests over, someone will flush the toilet and it won't stop. The water pressure drops so low that the showers don't work."

**Contractor:** "That's a resource leakage problem. One fixture is failing to terminate and is hogging the resources preventing access from other fixtures."

**Bill:** "And how do I fix that?"

**Contractor:** "Well, after each flush, you all need to exit the house, turn off the water at the street, turn it back on, reenter the house and then you can get back to work."

**Bill:** "That's the last straw. What kind of product are you selling me?"

**Contractor:** "Hey, if you don't like it nobody made you buy it."

**Bill:** "And when will this be fixed?"

**Contractor:** "Oh, in your next house -- which will be ready to release sometime near the end of next year. Actually it was due out this year, but we've had some delays..."

# Software Review – Internet Download Manager

- Dr. Yatin Mehta

Internet Download Manager (IDM) is a perfect accelerator tool to download your favorite software, Videos, mp3 music, documents and programs much faster!

IDM is a full-featured package that handles downloading tasks with aplomb. It conveniently integrates into your browser, even if you use Mozilla or Opera. It automatically sorts incoming files by file type and puts them in the appropriate folder. It creates a folder named "downloads" in your My Document folder. It further makes 5 sub-folders namely Music, Video, Compressed, Documents and Programs. The software segregates the file it is downloading and stores it in respective folder depending upon the file type. i.e., it will store doc file and PDF files in document folder whereas zip and rar file in compressed folder. Most importantly, it supercharges download speeds (up to 5 times). Its windowed interface is clean and easy to understand. Power users can take advantage of the command line interface to resume file transfers, schedule downloads, connect through dial-up, or log on to password-protected sites. Experienced users also can limit the number of connections, the download speeds for specific sites, and even create an exception list to block specific, user-defined sites. Other features include automatic virus checking and the ability to download all files linked to a page. The new version has a Web spider that can analyze a site and retrieve, for example, all the images on it.

## Features:

### All popular browsers and applications are supported!

It supports all popular browsers including IE, AOL, MSN, Mozilla, Netscape, Firefox, Avant Browser, and many others. IDM supports all versions of all popular browsers, and it can be integrated into any Internet application to take over downloads using unique "Advanced Browser Integration" feature.

### Easy downloading with one click:

When you click on a download link in a browser, IDM will take over the download and accelerate it. You don't need to do anything special, just browse the Internet as you usually do. IDM will catch your downloads and accelerate them. IDM supports HTTP, FTP, HTTPS and MMS protocols.

### Download Speed Acceleration:

Internet Download Manager can accelerate downloads by up to 5 times due to its intelligent dynamic file segmentation technology. Unlike other download managers and accelerators Internet Download Manager segments downloaded files dynamically during download process and reuses available connections without additional connect and login stages to achieve best acceleration performance.

## YouTube grabber:

IDM can record and download FLV videos from popular sites like YouTube, MySpaceTV, and Google Video. The best way of downloading webpage embedded videos from the Internet is here. After installing IDM, "Download This Video" button pops up whenever you are watching a video anywhere in the Internet. Just click on the button to start downloading clips.

## Automatic Antivirus checking:

Antivirus checking makes your downloads free from viruses and trojans. IDM can automatically run a scanner on download completion, like AdAware, Avast, Spybot, AVG Anti-Virus, McAfee, SpywareBlaster, CCleaner and others to protect users from harmful downloaded files.

## Download Resume :

Internet Download Manager will resume unfinished download from the place where they left off. Comprehensive error recovery and resume capability will restart broken or interrupted downloads due to lost or dropped connections, network problems, computer shutdowns, or unexpected power outages.

## Drag and Drop:

You may simply drag and drop links to IDM, and drag and drop downloaded files out of Internet Download Manager.

## IDM includes web site spider and grabber:

IDM downloads all required files that are specified with filters from web sites, for example all pictures from a web site, or subsets of web sites, or complete web sites for offline browsing. It's possible to schedule multiple grabber projects to run them once at a specified time, stop them at a specified time, or run periodically to synchronize changes.

## Built-in Scheduler:

Internet Download Manager can connect to the Internet at a set time, download the files you want, disconnect, or shut down your computer when it's done. You can also synchronize changes using periodic synchronization of files. It's possible to create and schedule several download queues for downloading or synchronization.

## Customizable Interface:

You may choose the order, buttons, and columns to appear on the main IDM window. There are several different skins for the toolbar with different button styles. All skins can be downloaded from IDM home site. Also users can design their own skins.

## Download limits:

Progressive downloading with quotas feature limits downloading to defined number of megabytes per hour. The feature is useful for connections that use fair access policy (or FAP) like Direcway, Direct PC, Hughes, etc.

## Simple installation wizard:

Quick and easy installation program will make necessary settings for you, and check your connection at the end to ensure trouble free installation of Internet Download Manager

## Download Categories:

Internet Download Manager can be used to organize downloads automatically using defined download categories.

## Dynamic file segmentation and connection reuse

IDM has optimized file download logic. IDM divides downloaded file on file segments dynamically, unlike other download accelerators that divide downloaded file in segments once just before download process starts. Dynamic segmentation gives significant download performance improvement. When file download starts, it's unclear how many connections may be opened. When new connection becomes available IDM finds the largest segment to download and divide it in half. Thus new connection starts downloading file from the half of the largest file segment. IDM minimizes the time needed for negotiations with servers and keeps all connections busy.

## You can download it free (trial version) from following link.

<http://www.internetdownloadmanager.com/download.html>

## Notice for Annual General Body Meeting of Computer and Informatics Chapter of IAP:

A notice is hereby given that the Annual General Body Meeting of the Computer and Informatics Chapter of IAP will be held as per following details:

**Date & time :** 21/01/2012, 5:15 pm to 6:15 pm

**Venue :** Pedicon2012 Venue at Gurgaon

## Agenda :

- 1) Secretary's Report
- 2) Accounts Presentation
- 3) Matters related to Pediatric Software
- 4) Matters related to IAP Drug Formulary
- 5) Venue for Annual Conference of CMIC
- 6) Registration of Chapter
- 7) Any other matter with the permission of The Chair.

## Program for CMIC – Symposium at Pedicon 2012

Date: Look out on the Pedicon 2012 website and Brochure

| Time :   | Topic  | Speakers                | Chairperson                   |                                    |
|--|--|-------------------------|-------------------------------|------------------------------------|
| 8:30 – 10 am<br><b>Guest Lectures<br/>(15 Minits each)</b> | 1. Preparing your PC against Cyber attack        | 1. Dr. Yatin Mehta      | Dr. Ajay Kumar<br>(From CMIC) |                                    |
|  | 2. Impact of IT on Clinical Practice Vision 2015 | 2. Dr. Satish Pandya    |                               |                                    |
| <b>Panel Discussion<br/>(60 minutes)</b>                   | <b>Theme: "The Gadget Gallery"</b>               |                         |                               | <b>Moderator :</b> Dr. Jesson Unni |
|  | 1. Setting up of WiFi at Home                    | 1. Dr. Rajinder Gulati  |                               |                                    |
|  | 2. Exploring Windows7                            | 2. Dr. Deepak Chirodani |                               |                                    |
|  | 3. Mobile Phones Conundrum: Which to choose?     | 3. Dr. Pritesh Nagar    |                               |                                    |
|  | 4. Laptops Vs. Tablets, Which is better?         | 4. Dr. Malleesh Gowda   |                               |                                    |

# Present team of CMIC



**Chairperson:**  
Dr Satish Pandya



**Secretary :**  
Dr Yatin I Mehta



**Treasurer:**  
Dr Ajay Kumar



**Editor In Chief IAP Drug Formulary:**  
Dr Jeesson Unni



**Advisor :**  
Dr C P Bansal



**Advisor :**  
Dr Naveen C Thacker



**Web Master :**  
Dr Amit Shah

## Executive Committee Members:



**North Zone :**  
Dr Rajinder Gulati



**West Zone:**  
Dr Sanjeev Goel



**East Zone:**  
Dr Pallab Chatterjee



**Central Zone:**  
Dr Mukul Tiwari



**Souh Zone :**  
Dr Deepak C E



Inauguration of CD during workshop



Workshop on Computers



Panel Discussion



Audience Participation



Felicitation of Faculty



During GB Meeting