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#### Three IT GIANTS battle for the top spot this summer

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### EDITOR'S MESSAGE 5 YEARS AND MORE TO COME



Its been 5 years. We've had a fine run so far. We've always tended to create an ultimate eZine experience. And we've evolved in every edition. We're still inproving. We're still learning. We started with MS Word, we upgraded to Indesign CS5 in 2009.

Its been 5 Years, and 44 Editions. We've tried to create a monthly experience every time. We've done it mostly but we've failed a lot of times too. We're still trying to be consistent. Lets hope that we're more consistant next year.

> - Vidit Bhargava, Co-Editor MVDIT TECH BOOK

"There's a lot to learn. And a lot that we've learnt"

### MVDIT-TECH BOOK

PRICE – RS 00.00

VOLUME – July 2007









### NEXUS 7



### MICROSOFT SURFACE TABLET MVDIT TECH QUIZ



#### "WWDC coverage on next page"





# COVER STORY RETINA ON MACS

#### Vidit Bhargava

Perched on a desk inside the Apple Store, at one of the busy streets in Delhi, a bright crystal clear display was hooked to a thin Aluminium shell with silent hulls of air blowing out of its sides. Me and my Brother were looking at one of the Next Generation MacBook Pros.

Retina Display on a MacBook Pro! That's almost a dream come true for many tech lovers. It's the best display you could get on a laptop. Pixels completely imperceptible by Human Eye, and a resolution that's almost double that of a Full HD Display, the retina displays are a godsend improvement to Laptops. They will eventually change how applications, websites and web apps are created. The display is distinctly different from all others in a group of laptops where the resolutions don't even reach full HD in most cases.

However things look grim and ugly if the applications designed for the Retina Display aren't really Retina. So your Old Mac Apps need an upgrade immediately. The need to be ready for the next generation of displays or you'll be missing out on a lot of fun. The same goes with websites. They won't look that brilliant on a retina display if they aren't optimized.

The Next Generation MacBook Pro isn't just about Retina Displays. It's also about a hardware shift. The new MacBook Pro With Retina Display is super-thin, its almost as thin as the thickest part of MacBook Air. And being so thin, it does away with a DVD Drive and it comes with 2 USB 3.0 ports, an HDMI Port, two Thunderbolt ports and an SD Card Slot. The new MacBook Pro also has a very different mechanism for Cooling of this mean machine. Air Vents are now placed at the sides of the MacBook pro and are invisible until looked at carefully. Helping the New Pro to stay cool and be beautiful at the same time. Mics and Speakers are also placed strategically to increase the quality o sound being heard and sent back.



The external chassis is just one aspect of the new hardware from Apple. The internal Hardware specs are just as nextgen. Packed with 2.6Ghz Quad Core Intel i7 Processors, 8GB of RAM, up-to 768 GB of Flash Storage (256 or 512 GB are the default options) and NVDIA's GT 650M graphics with 1GB of DDR3 RAM. These are just about perfect specifications to run this machine.

Flash Storage has really gone mainstream with options of 512GB and

768GB, the current storage for most MacBook Airs are 128GB at an average. 512GB should be adequate for until the next minor upgrade.

It's clear from Apple's strategy that the old MacBook Pros are on their way out. They'll soon be replaced with 13" and 15" versions of the Retina Pros. And that, this launch is just an experiment to see the demand for such laptops.

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#### iOS 6 HOW APPLE'S PASSBOOK WORKS



#### Vidit Bhargava

Apple released their latest iteration of iOS, last week at the WWDC 2012. Amongst many enhancements (which included a completely new vector based maps tool too) the announcement of a new inbuilt app called Passbook was slightly side lined. What exactly is Passbook? Or How is it going to change our Wallets?

Passbook is a pre-installed iOS 6 Application which will let you view your digital gift cards, coupons, boarding passes, shopping cards, etc. You can then use them instead of their of-fline counterparts.

Say you book a travel ticket, and receive an online boarding pass via email. Now at the airport you'll have to search through your emails for that boarding pass and then get it scanned. Apple simplifies this task with the Passbook tool. The Airlines can create a Passbook based boarding pass and share it to you via email, which you can then open in your passbook application. Once in the passbook app, your new digital boarding pass will be updated real time. Also when you are near to the airport a push notification will come up at



your lock screen, through which you can instantly access the pass!

Passbook can also store your movie, sports tickets, gift cards, store cards or whatever that qualifies as a coupon, pass or ticket.

Here's how it works: The developer creates a passbook pass using Apple's Pass-Kit API and then shares it to the user via Email, URLs or an iPhone App. The User then opens up the pass (ticket, coupon or card) on his phone, which takes him to the Passbook app and the pass is stored. Now the user can get push notifications for his pass. (For Example, if a certain store whose store card is in your passbook is near by, a notification will come up on your phone telling you that a certain store is in the vicinity, you can then open it to use it, as you enter the store)

Passbook is sure to provide a very productive future to the iOS Users. Almost certainly the

weight of wallet is going to drop a bit, as you get rid of all those membership cards and gift coupons and instead store them on your phone.

But Passbook is a little far from perfect. There is a certain lack of availability of advanced 2D Bar Code Readers at many places. Currently Passbook Passes are restricted to embedding 2D or QR Bar Codes only, this is going to demand inputs from the companies to install the new and more expensive 2D Code Scanners at their shops. Here Developers might have to step in, by providing necessary hardware for many of their clients. The same is going to be a problem with many other countries all over the world. So if major outlets are willing to provide these services, they'll need to actually have proper hardware first.

The success of the Passbook depends on how companies take steps to utilize it and how fast they install the necessary hardware. With Passbook Apple is not trying to digitalize your wallet but its creating a tool for online Passes. Much like what Adobe Reader is to PDF files, Passbook is to Digital Passes (only those created via Apple's Pass-kit!)

### iOS6 MAPS

#### Vidit Bhargava

Compare the Google Maps on an Android Phone to an iPhone. You'll realize that Google hasn't updated maps on iPhone for a long time now. Further more, Google had also released a navigation tool for Android, which never saw the light of the day in the iOS. Google Maps for iOS altered the iOS Experience in not a very good way.

Apple's In-House Mapping service has been in development for about 2 years now. Apple First acquired Poly9 in July 2010. And then later next year, Apple acquired C3, best known for its awesome 3D Maps. Maps were sure getting a major overhaul. They did.

Apple has come up with a completely map service with clean, vector based maps, laden with a 3D View, Local Businesses Search, Navigation and a new 'feature' called Flyover.

Apple's Maps show local businesses in a much better way than Google. Taking data from Yelp (And possibly other websites which provide similar services outside the US), Apple's new service provides an interactive and beautiful page for each local business. Along with Local Businesses, Traffic Updates have also been improved and will tend to be more reliable and quick, since they've become 'crowd-sourced'.

Flyover's a new, rather gimmicky addition from Apple. Flyover uses enhanced interactive 3D View of major landmarks like the Opera House. The feature itself doesn't have much utility at the moment, but it does add a new dimension to map viewing. This One's for the aesthetics!



Siri Integration: One of the obvious enhancement the new Maps application is, Siri Integration. Siri can now read out turn by turn directions to you, while you are driving your car. Moreover Siri is guite intelligent on this matter, and the directions and your current locations are all synced together, so you just need to start your car, ask Siri for directions, place the phone on a convenient spot and Siri will do the rest of the work. And with "Eyes Free" Coming soon in cars, Its going to be a real threat to major GPS Makers. (Ironically, Apple Takes mapping and navigation data from TomTom!)

How's it doing outside US? One of the things that 'Siri' Lacked, when released was the ability to do local search. Which left many non-US customers dissatisfied because it was a far from accurate experience. However, Maps is a different story.

Lets take the example of India,

Currently Google Maps for iPhone, don't provide any traffic data for the iOS. There's only a location service and directions. Navigation isn't all that good too.

Apple could gain a lot here, Maps uses crowd-sourced traffic, which if successful will place in a Apple's Traffic Updates in a crown-spot in Metropolitan cities, where having an iPhone is just as common as having any other smartphone. Moreover iOS penetrates well and deep into the market with iPads and iPod Touches. Apple also uses data from TomTom for Navigation. TomTom is by far the best navigation provider in India and many other countries in South-East Asia and Europe, which puts Apple's Navigation in a nice spot.

India is just one example where Apple Maps is going to be much more useful than Google Maps. There are many more countries and many more places which will eventually benefit from the Maps transition.

Maps by Apple in iOS however, are still not as competitive as Google Maps in terms of listings. Which will eventually get better if Apple collaborates with local services like Zomato and Burrp! But We'll have to wait for that to happen!

Apple's Maps are Far from perfect And are actually not much competition at present to the Google Maps which have evolved over the years and now are one of the most detailed maps in many countries.

The new Maps are high on features but Need to evolve quickly, if they want to be any good to the user.



## ON THE STORE PODCASTS



Skeuomorphism is at its best when it generates a neat and interactive experience between the user and the touch device. Apple has recently implemented Skeuomorphic Design very deeply in most of its Applications, be it the Contacts App on the iPad or the iBooks Application for iOS. Its struck the right chord many times but has also gone overboard with the idea quite a few times. Podcasts for iOS falls somewhere in between.

Just a few days back Apple quietly rolled out a Podcasts application for iOS Devices. The application appreciated by many puts the wide range of podcasts on the iTunes Store into a live streaming application which more-or-less works like a radio of sorts. Apart from that, the Podcasts discovery is also very easy. With a "Popular Stations" Tab on the home Screen you can easily browse through the best in All Categories of Podcasts. And Listen to a Live Stream or Download by the tap of a button. Its a perfect

utility for those looking for a quick and snappy news read, or a casual listening to the favorite podcasts.

But What Holds back this app, is its "Now Playing UI", Its over-flooded with Skeuomorphic elements like a retro style high-speed scrubber, or crammed together square play, rewind and forward buttons. This UI turns out to be so sluggish sometimes that I end up closing the app. Scrubbing is the worst part. The experience is worse on the iPhone / iPod and ever more irritating on an A4 Device. They could have easily gone with the old Music app UI which is quite neat or gone with the new Music Layout, the one that's coming out with iOS6. Both of them are much better than the Podcasts' app.

The Podcasts app can indeed do a spin-around for Podcasts, with this update But only if they get some key UI Elements right.

Rating: 3/5

### BEST OF GOOGLE I/O 2012 next page



### COVER STORY GOOGLE NEXUS 7

#### Vidit Bhargava

Introducing Nexus 7, with an Apple-esque Introduction Video and pep-talk and a flavor of emotion as the executive says, "Its the first the Tablet I bought for my parents, I am really excited", or as Mathias Duarte exclaims, "It ought to have a front facing camera". Nexus 7 is a Google Tablet made by Asus. At 7 Inches, and a curved rubberized back and Kindle Fire Style eBook and Magazine Based UI, Nexus 7 at best is a competitor to Amazon's Kindle Fire.

Clad with Futuristic Hardware which includes a Quad Core Processor, a high-resolution Display, a good battery life of 8 Hours and a stylish back, Nexus 7 is easily the best android tablet we've seen in the "7 Inch Form Factor", but the bigger question is, Is the 7 Inch Form Factor Good Enough? History Says No. Most 7" Devices Have either perished early or have sold meagerly and have given only large losses for their companies, never seeing the light of a version 2. Ironically However, the best selling Android Tablet is a 7" Tablet.

Google's Nexus 7 has a lot of things to talk about. It comes with a great screen and plush design which makes it a very pleasant sight to look at. Add to that the New Jelly Bean Update to Android, which features some really exciting services like Google Now, Project Butter UI, Voice Search, Offline Voice Dictation and everything else an Android offered before. MY LIBRAR UNGER TRANSFORMERS You

coming tablet upgrades, its got Jelly Bean at launch. Every other Tablet like The Kindle Fire or the Galaxy Tab would need to upgrade both hardware and software to compete with Google's Nexus 7.

The only thing which the Nexus 7 lacks though, is a selling point in its hardware, software selling points like the Google Now, and enhanced Play Store will die out once other tablet upgrade to Jelly Bean. The Hardware specifications are good but not unachievable high. The Price though will prove out to be the major factor in deciding if it sells or not and at \$199 it's a better deal than buying any other tablet.

Nexus 7 has an advantage over all other up-

Nexus 7's hardware has been designed

carefully, it's back design is inspired from an old, long dead Asus Tablet called the EEE Pad Memo and is actually a really effective design. The rubberized back serves as a very firm grip while holding it. The front is a nice clean piece of glass which makes it look very much like all other 7" tablets, but it's the screen which makes it stand out, the high resolution display is a really pleasurable experience and add to that the natural handiness of the 7 Inch Tablet. Nexus 7 is at least beautiful (when compared to other Android Tablet Tablets)

The Biggest let down of this tablet, and the point of concern where Nexus 7 might loose a large chunk of the market, is its app collection. There are next to no 7" Tablet Apps, which have prompted Google to Allow the Phone App Collection too. This is a big let down. Apps that are best seen on a 3.7" or 4.3" display our never the same on 7" or 10" displays. The experience is jittery, incomplete and disappointing.

The app selection argument gives rise to another important question. Does the 7" Form factor have a market large enough to attract developers? Given the current situation, the answer seems to be no. Will it change if Nexus 7 sells good? This is a kind of Paradox. 7 Inch Tablets will sell only if the app selection is good, and the app selection will be good only if 7 inch tablets sell good. Will this change if Apple comes up with a 7-8" Inch iPad? Definitely! With its large tablet developer base, apple is sure to attract developers to develop for a 7 inch tablet. Moreover, any Apple product attracts a good many fans and it'll create a big enough market to attract developers. This could adversely affect Apple too. By introducing a 7" tablet Apple could start a flood of 7" Apps, and invite unnecessary competition from Nexus 7 and other tablets.

In Terms of Memory, Nexus 7 Provides 2 Options, 8GB and 16GB. 8GB is just too less for a tablet to run without facing major storage problems. 16GB will be a much better choice though, given that most of the apps that'll run on the device will be phone apps. The device lacks external memory support.



The Nexus 7 comes with WiFi and Bluetooth connectivity options, but lacks 3G or LTE support. The unavailability of 3G or LTE on the tablet is a big blow. Without cellular internet a device like a tablet becomes crippled. Not only does it limit it'd functionality, it also finishes its productivity too.

Nexus 7 comes with a 1.2MP front facing camera which should be just about fine for Video chatting. But Nexus 7 cleverly removes the back camera, which is ofcource a totally unwanted gimmick in tablets.

Summing it Up: Google Nexus 7 is an ambitious project. It could resurrect 7inch Tablets or it could just end up being one of the many hundreds of casualties in this iPad vs rest of tablet world battle. It's success or failure depends on the app selection and price. And 3G connectivity and internal memory will also a play a vital role in its journey as a consumer end product.



Image Credit: The Verge





### A PEAP INTO THE NEW MICROSOFT

## COVER STORY MICROSOFT SURFACE

Filled with gloss, covers, lights and music, Microsoft Surface made an appearance in a pressure sensitive magnetic cover's ad today. Or was it the other way round? Well at least that's what I felt when i first saw the Microsoft Surface Teaser Video. It's evident that they are stressing on a part of the tablet which is neither unique nor uniquely designed. And since one generally tries to highlight the best of a device in his video, we may safely presume that this is the best they can offer us.

So, lets start with this new pressure sensitive keyboard attached to a smart cover like polyurethane (or a similar substance) 'cover'. At first glance this pressure sensitive keyboard cum smart cover looks amazing. Some way even think that it'll be their best typing experience on any device. But the final product may just act opposite to what you think its going to be. Microsoft's protective cover is a razor thin keyboard. It's razor thin and its flat. Which means, that it is more than likely that you'll get a sprain in your hands than type comfortably for hours. This thing is guite ergonomically unfit. Moreover, you are going to need to touch the screen for any assistance while typing. And using multitouch on any screen which is perpendicular to your hands is a cumbersome experience. That's the ergonomic issue number 2. The third and the final issue which comes when you try to use this cover is the option to use it as a laptop and start using a track pad. Windows 8 is a dual

minded software. It wants to be in your tablet as well as at your desk. History tells us, that its a bad idea. Microsoft itself has created and failed at this task. They're trying again. My experiences with Windows 8 so far, tell me that its going to be a uphill task to actually stay at one UI and work efficiently. You can't use the old UI efficiently with a Tablet and there aren't many apps for Metro UI on the Windows Marketplace / Store.

In terms of hardware, Surface provides just about what all other tablets do. Its got a Tegra 3 Processor and 32GB and 64GB of Storage options + an SD Card Slot. There is also a USB Port which is a slight stroke of brilliance, since it may allow you to use your

controllers and keyboard and mouse and everything and convert it into a notebook, if you get too annoyed with the touch experience or want a slightly better gaming experience. But then its just one USB Port and games that run on traditional PCs might not run on Windows 8 RT tablets. Also unlike as advertised, charging your phone on a tablet might not be the best idea if its own battery life is



short (Microsoft is still to give a word on battery life). While the Magnesium casing is new and on first impressions looks sturdy, The back of the tablet is particularly uninteresting and slightly clumsy on design. There is a "Stand" that you can kick to put it at a good angle for watching movies, which is a good tool (only if its strong enough to not keep flapping everytime we hold our tablet), but it seriously harms the over all feel of the device since now you are left with a very bad looking back, with screws and stands all over. The tablet is just as thin as the new iPad (9.3 mm) and it weighs about 603 grams. A lot depends on how this hardware will eventually perform.

Surface runs on Windows 8. Windows 8 RT to be precise. While its a nice experience with the metro UI placed on the screen, its not going to be as good when you try to run some of the old UI software. Its going to be a little annoying. Having said that, there are a lot of preinstalled apps on the Metro UI too, and they look beautiful. Since I haven't used the tablet my self I might not be able to tell you exactly how good or bad it is. (My experience with Windows 8 on a laptop was quite miserable)

The Microsoft Store however, is yet to take any flight and with Microsoft's ultra-strict app approval policies, tedious development standards and slightly inferior SDK and APIs its going to be tough to lure new developers to create apps solely for Windows 8. As of now iOS remains their preferred choice.

Well that's pretty much it about the Microsoft Surface. We don't have any pricing details or

launch dates or even battery life quotes. All we have is a promo promoting the Touch Type Cover.

Microsoft Surface will have quite a task at eliminating internal competition with other tablet developers who are creating Windows 8 Tablets. Of what we have seen today at the unveiling the Microsoft Surface is not even close to be in competition with the iPad. The iPad sits firmly at the top with a well grounded operating system which is in its sixth edition and a huge developer database, Something which all other tablet Operating Systems lack. Also Its got a massive head-start and Apple has so-far only improved the Tablet experience per upgrade. Which has left no-room for the aping competitors to step in. Surface is hardly a killer to the iPad

Having said all that, we are still to get our hands on a Microsoft Surface Device, and it isn't coming before Fall (That's when Windows 8 is likely to be unveiled for Consumers), till then its hard to say if its going to be a success or not. I have given my impressions on the Tablet, the numbers will do the talking now.

And Did I forget to mention that there is going to be a second variant of this tablet, too. Its going to be called Surface Pro. They are adding an Ivy Bridge Quad Core i5 Processor into it, A USB 3.0 Port and a Mini-Display Port into it. There is also going to be a stylus for that tablet. And its going to be heavier and thicker. And it'll have Windows 8 Pro



### REVIEW WINDOWS 8

#### Vidit Bhargava

I had been using Windows 8 ever since its developer preview released last year until only a few months back when out of sheer tiredness of using an unbanked structure of dangling bugs and irritable layouts, I had switched back to Windows 7 at my primary Windows machine. But then the Consumer Preview came out, I reinstalled Windows 8 on the computer, but this time as a secondary operating system and tried my hands on The new, ready for public evaluation copy of Windows 8 is what I'll be evaluating in my review today.

#### The Idea

Windows 8, Microsoft's latest iteration of the yeas old Windows Operating System is a hybrid of Touch Based Metro UI which is very much similar to Windows Phone 7.5 and The Traditional Point And Click Interface, which has only changed in design ever since the launch of Windows 95, and looks very similar to Windows 7 only sans Start Menu. The idea is to have a universal operating system for Tablets and PCs Alike. The Idea is horribly off target.

When you shoot up Windows 8 on your PC you are welcomed with a beautiful home screen which automatically vanishes once your Windows 8 Start Screen is Ready. The experience from this point is down hill. You are welcomed to a metro based Start Screen which requires sophisticated left and right swipes from your mouse to navigate through it (The same would have been child's play



on a tablet). You immediately want to start working on your stuff and click on the desktop tile, hoping for a familiar and less tiring interface, only to realize that the start button has gone, and your only hope at launching an application quickly is to either pin it on the task bar or to launch that tiresome start screen every time you wish to start a new program. There is little you can do about it, and it's going to stay this way.

Well Tiresome is al right, but whats completely mad is that your easy access to technical things like Control Panel, Memory and Storage Management, Notepad, Paint, Character Map and every other little gem that was meant to be accessible from Start Menu is now hidden somewhere and you'll either have to right run commands on the Run tool(which has also gone into hiding) or Try with Search Words on the Appropriate Windows Explorer Screen. It's more of a treasure hunt for PC users, than an upgrade Of Software.



Back at the Start Screen, you're only provided with applications you've installed and some others which came preinstalled. It's a cumbersome and Unavoidably annoying experience for a desktop user.

The Tablet camp isn't very happy either. The Start Screen is phenomenal for Tablet users. But the limited app selection for Metro UI apps leaves a sour taste. (Even the latest Office isn't very touch based) and the users will have to use the desktop section of the Operating System to run applications on their tablets. And history has told us, thats its not a very good idea (Remember Tablets Before the iPad?They had such an interface. No wonder you can't)

App Selection for Windows Tablets doesn't seem to be booming any time soon. The Windows Marketplace is here since the last decade or so and it really hasn't excelled much in all these years.

Browsing on a Windows Tablet is going to be fun. The browser currently doesn't even support java scripts completely, and its just for aesthetic pleasure of browsing and no real work can be achieved on using it.

Microsoft has also bluffed the Start Up and Shut Down time. Microsoft has been boasting of how fast the computer starts up and shuts Down in its conferences ever since the developer preview came out, The Shut down time is a definite bluff. The computer merely goes to

sleep as soon as you click shut down. It takes it's good time to shut down and isn't a second faster than Windows 7 when tested on my desktop PC. The start Up though faster isn't as fast as advertised (My PC has 4GB of RAM and is much faster than recommended requirements).

Windows 8 is the start of an era where PCs are going to edge away from Windows and some Tablets will start using Windows 8 but Microsoft here is already fighting a loosing battle to iOS and Android and it's going to take a lot more than the Windows 8 to be in competition with the others.

Microsoft says that PCs and Tablets are co-related they are not Post PC but PC+ devices and they've gone by this idea for decades now. They've tried selling Tablets on a Point and Click Interface before, and it's the same even today. The idea that both the Interfaces can exist In single OS has been implemented here, and so far the results haven't been satisfactory. And I've only talked about the idea of using Windows 8 in Ideal conditions. The final product is yet to arrive, and ideal conditions are just hypothetical. The final release might just be more troublesome or a hundred times Better.

We'll Take a deeper look into Windows 8's performance when it comes out this October. But for Now, I am happy with Windows 7. Partly Because 8 won't let me play Free Cell and Spider Solitaire any more, and partly because the Desktop UI for Windows 8 is an extremely painful and Tiresome experience



# Windo



# ws Phone 8





# MVDIT TECH QUIZ

Vidit Bhargava Answers to previous edition: Q1. Who once said "Adequecy is sufficient. All Else is Superfluous"? 1. MoserBaer Q2. Tobacco, firearms, used underwear, human parts, and lottery 2. Peter Sunde tickets" are a few of the banned items at this place. The list in-3. Julian Assange cludes over a hundred such items. Which place? 4. Mobile Camera 5. NFC Q3. This term refers to the fact that the unhyphenated English 6. Napster word "cooperation" was often changed to "Cupertino" by older 7. Trigate Transistor spell checkers. Which term am I referring to? 8. Warner Bros. 9 Vimeo Q4. Name the maverik entrepreneur who sold broadcast.com to 10. Black Box vahoo and currently owns 'The Dallas Mavericks'? Q5. Gary Thuerk is known for being the World's First \_\_\_\_\_? Q6. Advanced Step in Innovative Mobility, how do we know this machine?

Q7. X is an application development platform created by Qualcomm for mobile phones. Originally developed for CDMA handsets, it has been ported to other air interfaces including GSM/ GPRS. It is a Software platform that can download and run programs for playing games, sending messages, sharing photos, etc.

Q8. This corporation is a giant in video compression technology. It is one of the largest conglomerates in the Europe. The greek meaning of its name means "Species". Name the corporation.

Q9. What do we commonly know "A Subscribed Mail that is filtered as Spam"?

Q10. Big city, big enterprise, which telecom playe extracted its name from it?

Visit: www.mvdittechbook.com to check the answers to this quiz. to know more about Technology and answer more quizzes.

Mail us at : viditbhargava@ mvdittechbook.com for your valuable feed-back, questions, suggestions and for getting your answers published.

#### MVDIT TECH QUIZ 2012 Congratulations! Winners!



**Mridul Kapoor** 



Arjun Attam

Arjun Attam and Mridul Kapoor won the MVDIT TECH QUIZ 2012. The Runners up were. Anunay Kulshrestha and Tanay Padhi Second Runners were: Aditya Salapaka and Saumay Jain

vidit this is undoubted	ly one of the finest tech quizzes ever made
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YEAAHHH	
Prempal	
This was one really go	od!
Anunay Kulshrestha	
Yeah, this is nice! 🧐	

mridul

standing ovation to the minimal wala round