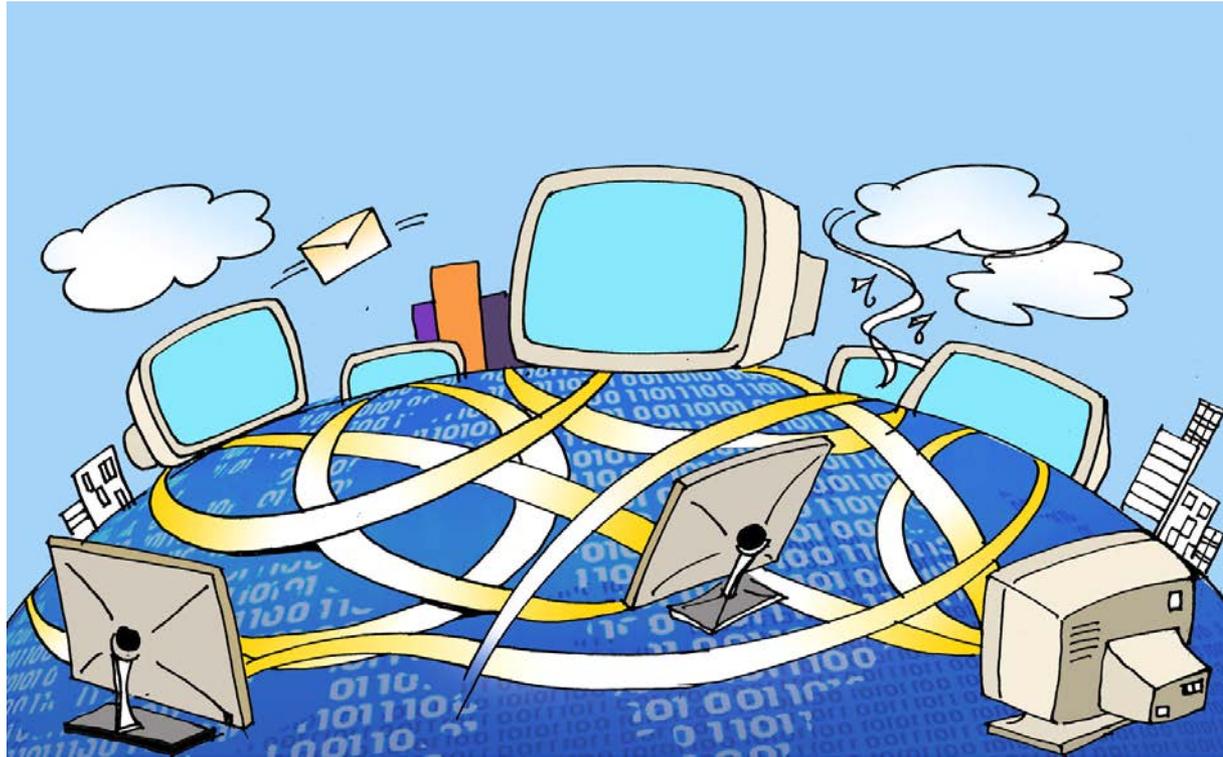




Cyber society



***In today's world, we depend on
Internet at home, in school and at work
place***





What do you use internet for ?

- Education
- Current Affairs
- Communication
 - Email
 - Chat/Instant Messaging
 - Blogs
 - Social Networking
- Online Shopping
- Online Banking
- Fun/Entertainment
 - Games
 - Movies
 - Songs



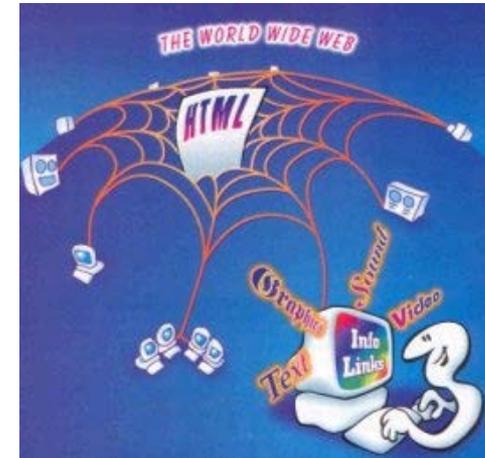


Best and Worst about of Internet and World Wide Web (WWW)

Best Thing about Internet
- Everything Connected
and is a Global Network



Worst Thing about Internet –
Everything Connected and is a
Global Network





Primary Online Risks and Threats



Your computer

- Viruses
- Worms
- Trojans
- Spyware



Yourself

- Online fraud
- Phishing
- Hoaxes
- Identity theft
- Spam





Primary Threat to device security



Viruses/Worms

Software programs designed to invade your computer, and copy, damage, or delete your data.



Trojans

Viruses that pretend to be helpful programs while destroying your data, damaging your computer, and stealing your personal information.



Spyware

Software that tracks your online activities or displays endless ads.





Personal threats to personal online safety



Identity Theft

A crime where con artists get your personal information and access your cash and/or credit

Phishing

E-mail sent by online criminals to trick you into revealing personal information



Spam

Unwanted e-mail, instant messages, and other online communication



Hoaxes

E-mail sent by online criminals to trick you into giving them money





Phishing

- E-mail sent by online criminals to trick you into going to fake Web sites and revealing personal information
- In other words It is the criminally attempting to acquire sensitive information such as
 - usernames
 - passwords
 - credit card details





You and your identity





Identity Theft

- Identity Theft occurs when someone, without your knowledge, acquires a piece of your personal information and uses it to commit fraud.





Skimming

- Skimming is the theft of credit/Debit card information

Hide your credit card, cyber criminals only a swipe away

Ads by Google

Replay

One million US dollar scholarship program in INDIA

Call +91 11 40574000 or email at info@innovationu.in



Abhishek Sharan, Hindustan Times

Email Author
Noida, March 04, 2010

First Published: 00:27 IST(4/3/2010)
Last Updated: 00:28 IST(4/3/2010)



It is a palm-sized, state-of-the-art gadget and presently the subject of an alert issued to the public by the Noida police.

According to Noida police, cyber-savvy criminals are now frequently using a magnetic stripe reader and writer to fleece credit/debit card users.

It is a computer device that decodes unique identification data stored on the magnetic strip of a credit or debit card with a swipe and transfers the information to another card.

"The usage of MSRW to dupe cardholders is a new-age crime against which we have issued an alert," said Deputy Superintendent of Police R.N. Mishra.

"We have received up to a dozen complaints from local residents about the theft of their credit and debit card data. Our probe revealed this was done with the help of MSRW machines," added Mishra.

The police arrested several people for the illegal use of MSRWs to cheat cardholders.

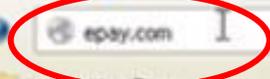
Of them, three names — Shahnawaz Khan alias Tinku, Shabbir Khan alias Praveen and Mohammed Afaque alias Raheesh — stood out.



Tabnapping

Tab napping is a new online phishing scam to attack your computer and your finances.





EBay website in the 1st tab



Welcome! Sign in or register. My ebay Sell Community Customer Support Cart

Search input field

All Categories Search Advanced

- All Categories >
- Fashion >
- Motors >
- Electronics >
- Collectibles & Art >
- Home, Outdoors & Decor >
- Entertainment >
- Deals & Gifts >
- Sporting Goods >
- Classifieds

Sport Roots gear this school year

Support Right To Play

SHOP NOW

SCHOOL'S BACK!

T-Shirts Hoodies

Exclusive! Bourne Legacy Bags

Caps

Roots

CAN ADA

1 2 3 4

Welcome to ebay

Whether you're new to ebay or a veteran user, we have just the right tools to get you on the right track.

- New to ebay
- How to buy
- How to sell

Shop safely on ebay

ebay Buyer Protection
We've got you covered!

ebay Top-Rated Sellers
Get great service & fast shipping from top-rated sellers.

Sign in

Back for more fun? Sign in now to buy, bid and sell, or to manage your account.

Sign in

Not registered yet?
Join the millions of people who are already a part of the ebay family.

NEW

Get ebay on your iPad



Prevent Tabnapping

- Refresh the browser after returning back from other tabs
- Check the URL correctness before key-in or mouse clicks.
- Avoid Financial Transactions on tabbed browsing





Tips

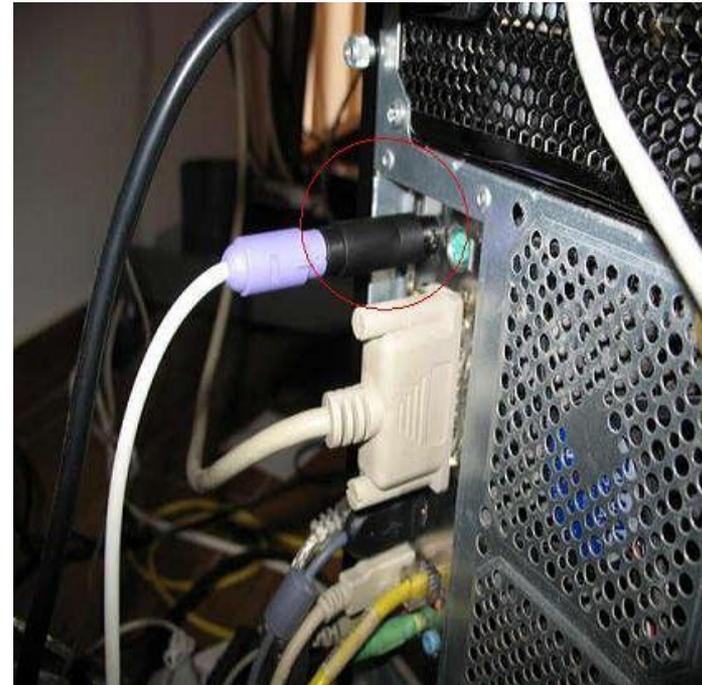
- Update Browser
- Disable Pop-ups
- Delete Cookies
- Disable remember password options





Keyloggers

- Software
- Hardware





Social Engineering





What is Social Engineering?

- Social engineering is the art of manipulating people so they give up confidential information.
- Social Engineering is an approach to gain access to information through misrepresentation.





How do they do this?

- A Social Engineer may approach you either through
 - Telephone or e-mail
 - pose as a person from your Information Technology Department
 - Help Desk





Social Engineering methods

- Dumpster Diving
- Shoulder surfing
- Vishing
- Phishing





Social Engineering through Social Networking

- Social networking sites such as Facebook are a social engineer's paradise.
- People post information about
 - where they work
 - what they like to do
 - and many more





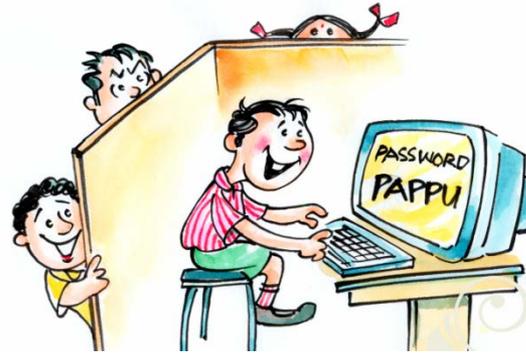
Password attacks

Shoulder Surfing

Take care about shoulder surfing



Bruteforce attack



Dictionary attack





What is Password?

Password is a word or string of characters used for the user authentication





How to build strong Password

- make it at least 7 characters long, combination between small and capital letters, at least one number and special character like !@#\$%^*()_+
- do not simply use a dictionary word or a logical sequence of characters like aaa555ccc, 1234567890 etc.
- try not to use a password you have already used on another system, ignore have the same password on all assets you have access to at any cost



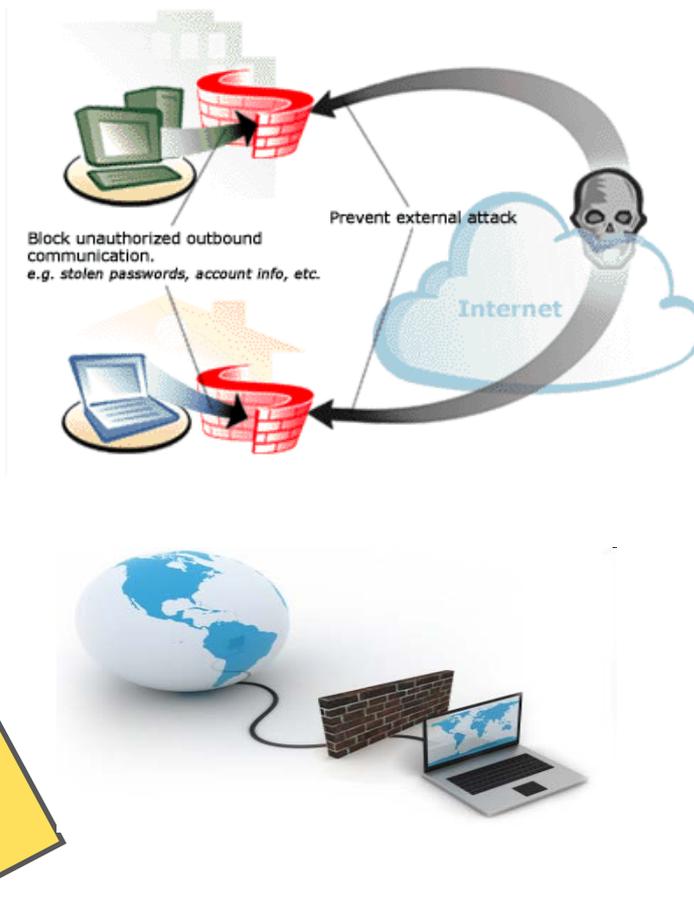


Desktop Security





Turn on Windows Internet Firewall



An Internet firewall helps create a protective barrier between your computer and the Internet





Windows Firewall

Click start → Control Panel → Windows Security Center → Click on Windows Firewall





Security Center
Help protect your PC

Security essentials
Security Center helps you manage the three security essentials. To return to the What's new in Windows to help protect my computer?

Firewall
Windows detects that your computer is not protected by Windows Firewall. Recommendations to learn how to protect your computer?
Note: Windows does not detect any other security solutions.

Recommendation
A firewall helps protect your computer against viruses and other security threats.
Recommendation
Turn on Windows Firewall connections

I have a firewall solution that I'll monitor myself.
Note: Windows won't monitor your firewall status and won't send you alerts if it is off.

[How does a firewall help protect my computer?](#)

OK Cancel

Security Center
Help protect your PC

Security essentials
Security Center helps you manage your Windows security settings. To help protect your computer, make sure the three security essentials are marked ON. If the settings are not ON, follow the recommendations. To return to the Security Center later, open Control Panel. [What's new in Windows to help protect my computer?](#)

Firewall ON

Windows Firewall is ON. Windows Firewall helps protect your computer against viruses and other security threats. [How does a firewall help protect my computer?](#)

Automatic Updates ON

Recommendation
Security Center

A firewall helps protect your computer against viruses and other security threats.

Recommendation

Enable now

OK Cancel

Security Center

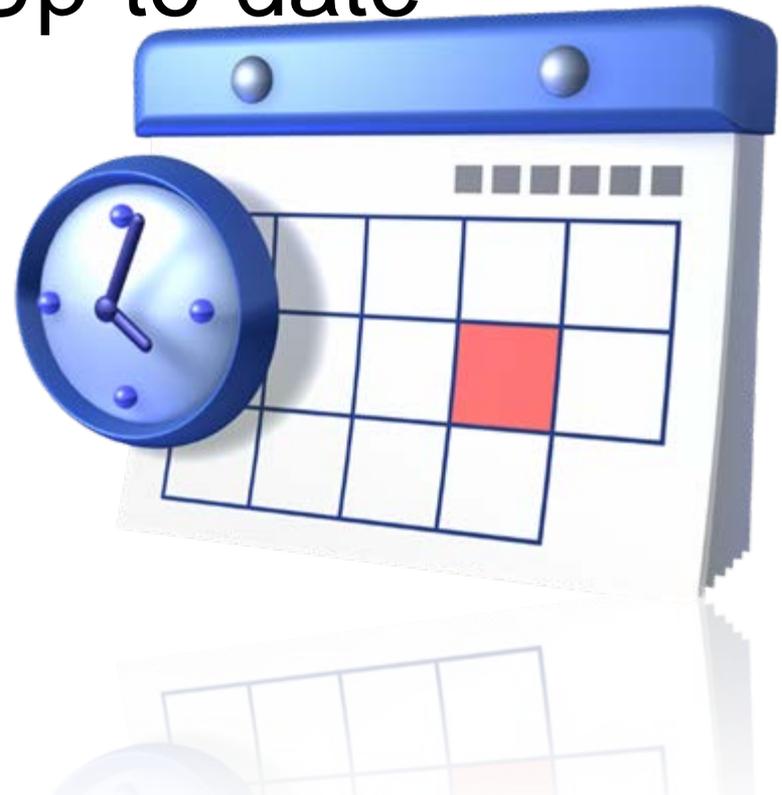
Windows Firewall is ON.

Close



Use Automatic Updates to Keep Software Up-to-date

- Install all updates as soon as they are available
- Automatic updates provide the best protection





Install and Maintain Antivirus Software

KEEP YOUR
ANTIVIRUS UP TO DATE



Don't let it expire

- Antivirus software helps to detect and remove computer viruses before they can cause damage.
- For antivirus software to be effective, you must keep it up-to-date.



Anti-virus Software





Email Security

- Email is one of the easiest ways for cyber criminals to target ordinary citizens.





What are the risks

- Weak passwords.
- Spyware may be sent as an attachment to an mail.
- Viruses can spread through email to your contact list.
- Phishing Scams





Preventive Measures

- Use strong passwords
- Scan what you are downloading.
- Beware of links in emails that ask for personal information.
- Protect your computer with a firewall, spam filters, anti-virus and anti-spyware software.





Gmail Security

- Two Step Verification
 1. Click on “Edit”
 2. Click on “Start Setup”
 3. Enter your phone number
 4. Enter verification code sent to your mobile number.
 5. If you didn't trust your computer then take away.
 6. After login Google will ask verification send to your mobile. After verifying the code you will get your mails.





Login to your gmail account.



One account. All of Google.

Sign in with your Google Account



 Stay signed in [Need help?](#)

[Create an account](#)

One Google Account for everything Google





2. Go to "Settings"

The screenshot shows a Gmail inbox interface. At the top, there's a navigation bar with 'Gmail' and a search bar. Below it, a yellow notification banner reads 'The conversation has been moved to the Trash. Learn more Undo'. The inbox list shows various emails from 'FreeCharge', 'Megaleecher.Net', '99acres.com', 'Aparna, Aparna (2)', 'RABAN*15', 'LearnSocial', 'Saurabh1 Agrawal', 'Standard Chartered Bank', 'Health Total', 'Shine.com', and 'Way2SMS Team'. On the right side, a settings menu is open, showing options like 'Display density', 'Comfortable', 'Cozy', 'Compact', 'Configure inbox', 'Settings', 'Themes', 'Send feedback', and 'Help'. The 'Settings' option is highlighted.



3. Click on "Account and Imports" Tab

Google

+priyanka



Gmail

Settings



COMPOSE

General Labels Inbox **Accounts and Import** Filters Forwarding and POP/IMAP Chat Labs Offline Themes

Change account settings: [Change password](#)
[Change password recovery options](#)
[Other Google Account settings](#)

Import mail and contacts: Import from Yahoo!, Hotmail, AOL, or other webmail or POP3 accounts.
[Learn more](#) [Import mail and contacts](#)

Send mail as: Priyanka Jain <priyanka6285@gmail.com> [edit info](#)
(Use Gmail to send from your other email addresses)
[Learn more](#) [Add another email address you own](#)

Check mail from other accounts (using POP3): [Add a POP3 mail account you own](#)
[Learn more](#)

Using Gmail for work? Businesses can power their email with Gmail for Work. [Learn more](#)

Grant access to your account: [Add another account](#)
(Allow others to read and send mail on your behalf)
[Learn more](#)
 Mark conversation as read when opened by others
 Leave conversation unread when opened by others

Add additional storage: You are currently using 2.92 GB (19%) of your 15 GB.
Need more space? [Purchase additional storage](#)

Inbox (52)

Important

Sent Mail

Drafts (2)

Spam (25)

Circles

[imap]/Sent

[imap]/Trash



Search people...

• anil kumar giri

• Kanika Dhamija

• M. K. Singh

• madhav jain

• meenakshi singh....

• Neeraj Sharma



4. Click on other google

www.infosecawareness.in



Google

+priyanka



1



Gmail ▾

Settings



COMPOSE

General Labels Inbox Accounts and Import Filters Forwarding and POP/IMAP Chat Labs Offline Themes

Change account settings:

- [Change password](#)
- [Change password recovery options](#)
- [Other Google Account settings](#)

Import mail and contacts:

Import from Yahoo!, Hotmail, AOL, or other webmail or POP3 accounts.
[Learn more](#)
[Import mail and contacts](#)

Send mail as:

(Use Gmail to send from your other email addresses)
[Learn more](#)

Priyanka Jain <priyanka6285@gmail.com>

[edit info](#)

[Add another email address you own](#)

Check mail from other accounts (using POP3):

[Learn more](#)

[Add a POP3 mail account you own](#)

Using Gmail for work?

Businesses can power their email with Gmail for Work. [Learn more](#)

Grant access to your account:

(Allow others to read and send mail on your behalf)
[Learn more](#)

[Add another account](#)

- Mark conversation as read when opened by others
- Leave conversation unread when opened by others

Add additional storage:

You are currently using 2.92 GB (19%) of your 15 GB.
 Need more space? [Purchase additional storage](#)

2.92 GB (19%) of 15 GB used
[Manage](#)

[Terms](#) - [Privacy](#)

Last account activity: 5 hours ago

- Inbox (52)
- Important
- Sent Mail
- Drafts (2)
- Spam (25)
- Circles
- [Imap]/Sent
- [Imap]/Trash
- Search people...
- anil kumar giri
- Kanika Dhamija
- M. K. Singh
- madhav jain
- meenakshi singh....
- Neeraj Sharma



www.infosecawareness.in

5. Click on 2-Step verification.



Account settings

Signing in

Password

Last changed: June 14, 2014

Recovery email

Add a recovery email to help secure your account

Recovery phone

090155 64975

Secret question

"What was your first teacher's name"

2-Step Verification

Off

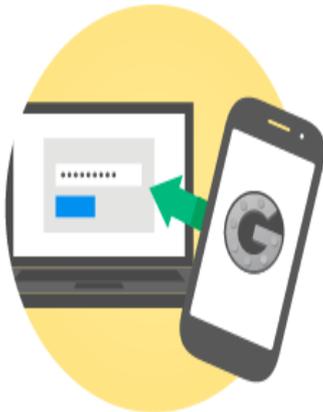
Access for less secure apps

Allowed



6. Click on Start Setup

Signing in with 2-step verification



Signing in will be different

You'll need verification codes:
After entering your password, you'll enter a code that you'll get via text, voice call, or our mobile app.



Keep it simple

Once per computer, or every time:
During sign in, you can tell us not to ask for a code again on that *particular computer*.



Help keep others out

You'll still be covered:
We'll ask for codes when you (or anyone else) tries to sign in to your account *from other computers*.

2-step verification

Keep the bad guys out of your account by using both your password *and* your phone.

[Start setup »](#)

[Learn more](#)



7. Enter your mobile number and click on send code

Set up your phone



Which phone should we send codes to?

Google will send a numeric code to your phone whenever you sign in from an untrusted computer or device.

Phone number ex: 091234 56789

 090155 64975 

- You provided this number for [account security](#) on Mar 18, 2013.
- Google will only use this number for account security.
- Message and data rates may apply.

How should we send you codes?

- Text message (SMS)
 Voice Call



8. Enter verification code and then click on verify

Verify your phone

1

2

3

4

We sent a text message to 090155 64975 with a code



Enter verification code

Verification codes are 6 digits long.

« Back

Verify

Didn't get the code?



9. Click on next

Trust this computer?



Verification codes on this computer

If you lose your phone, you might be able to access your account from a trusted computer without needing a code. We recommend that you make this a trusted computer only if you trust the people who have access to it.

Trust this computer

You can always change which computers you trust in your Google Account settings.

« Back

Next »



Click on confirm

Confirm



Turn on 2-step verification

You'll only be asked for a code whenever you sign in using your **priyanka6285@gmail.com** account from an untrusted computer or device.

If you lose your phone, you can always change it in account settings.



End of the Day?

It is logout time!

Always logout
when you leave your PC.

Information Security Education & Awareness

Centre for Development of Advanced Computing (C-DAC), Hyderabad





Thank You

