सुथिर YUWA PRESENTS

Webinar On 'Cyber Security and Digital Safety'

"Connecting the dots between cyberspace and mental health"

IN ASSOCIATION WITH

SEMI COLON TEC

SUPORTED BY:

npCert

CSRI

MR. SHIVU PANDEY

DATE: SUNDAY, 7 JUNE 2020

TIME: 1:00 ONWARDS

https://npcert.org/

ON GOOGLE MEET

Organized by:

सुथिर YUWA

REGISTER NOW

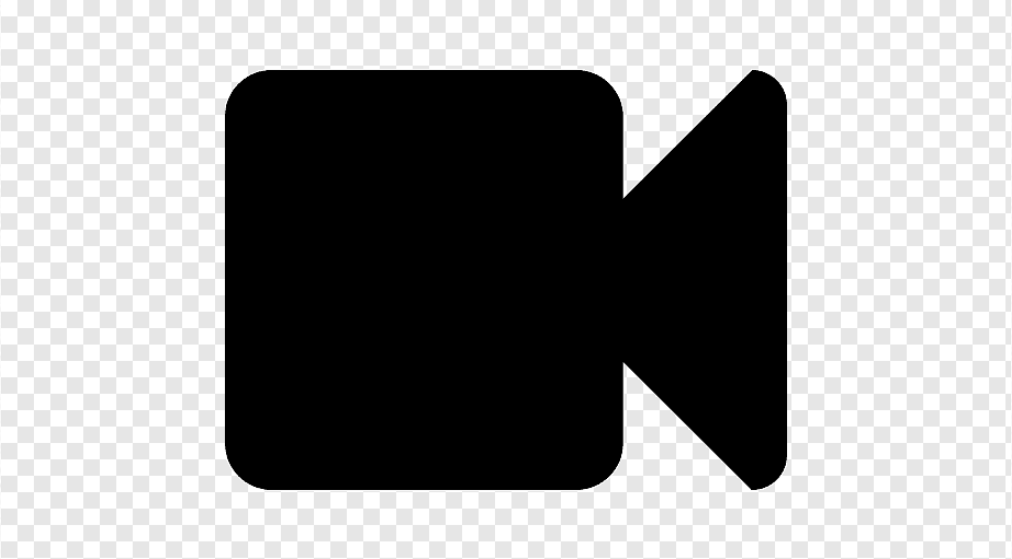
Welcome to Webinar

- On "CYBER SECURITY AND DIGITAL SAFETY"

Which aims at "**FILING THE CYBER SPACE FOR EVERY NORMAL USER**"

https://npcert.org/

Before I Begin,
Please turn off your mic if possible turn your video on



Feel free to ask questions on chat box or you can also ask questions by Turning on your mic .

https://npcert.org/

SHIVU PANDEY

CO-FOUNDER OF SEMICOLON TEC

TECH CONSCIOUS SPEAKER

https://npcert.org/

AREA OF WORK

1.EDUCATION
2.TECHNOLOGY
3.BRANDING

SEMI COLON TEC

YOUTH CAN

NEPAL TEEN LEADERS

GRACE INTERNATIONAL EDUCATION | MIGRATION
Since 2006 Connecting Life & Learning

SUNWAY
INT'L BUSINESS SCHOOL

Agenda :

- INTRODUCTION TO HACKING/CYBER SECURITY
- MENTAL HEALTH AND CYBER SECURITY
- SOCIAL MEDIA / WEB SECURITY
- Challenges &Solutions (During & After lockdown)
- Scopes of cyber security

How many of you thought that there are

HACKERS

In Nepal ?

Who Are Hackers?

```
<?php
    echo “Best Programmer”;
?>
```

2.51K/s 15% 10:09

SATAN

@satan_cyber_god

Human Stupidity, that's why Hackers always win
#BackoffIndia #op_payback

Joined April 2020

1 Following **5,373** Followers

Followed by BRAHMA, Anwesh Budhathoki - #MSBuild, noone, and 2 others

Tweets | Tweets & replies | Media | Likes

SATAN @satan_cyber_god · 33m

Knock knock let the devil in 😈
Hello indian developers
#backoffindiamedia
#backoffindiamedia
#GreaterNepal

eukwebdevelopers.in

0.00K/s 22% 09:32

Following

BRAHMA

@ALIVELordBrahma

॥ गुरुर ब्रह्मा गुरुर विष्णु गुरु देवो महेश्वरःगुरु साक्षात परब्रह्म तस्मै श्री गुरवे नमः ॥

मेरु Joined May 2020

0 Following **776** Followers

Followed by SATAN

Tweets | Tweets & replies | Media | Likes

BRAHMA @ALIVELordBrahma · 24m

॥ नपुंसक मत बनो भारत ॥

क्या यह #DigitalIndia को दर्शाता है? इसके बजाय, यह गरीब, असुरक्षित भारत की तरह है।

👉: Physiotherapy: The Physio Centre: thephysiocentre.in

@PMOIndia @RashtrapatiBHVN

How Many Types Of Hackers?

1. **White Hat Hackers**
2. **Black Hat Hackers**
3. Grey Hat Hackers
4. Script Kiddies
5. Green Hat Hackers
6. Blue Hat Hackers
7. Red Hat Hackers
8. State/Nation Sponsored Hackers
9. Hacktivist
10. Malicious Insider or Whistleblower

Is Hacking Legal?

1. Yes ,if you have written permission from the authorized person or company.

1. It might be illegal in most of the cases especially in the countries like Nepal . Even if you responsibly disclose the information to the team without prior agreement or written permission then they reserve complete rights to claim the legal actions.

Note : Only test the sites which have bug bounty or responsible disclosure programs or the sites which you have written agreement of.

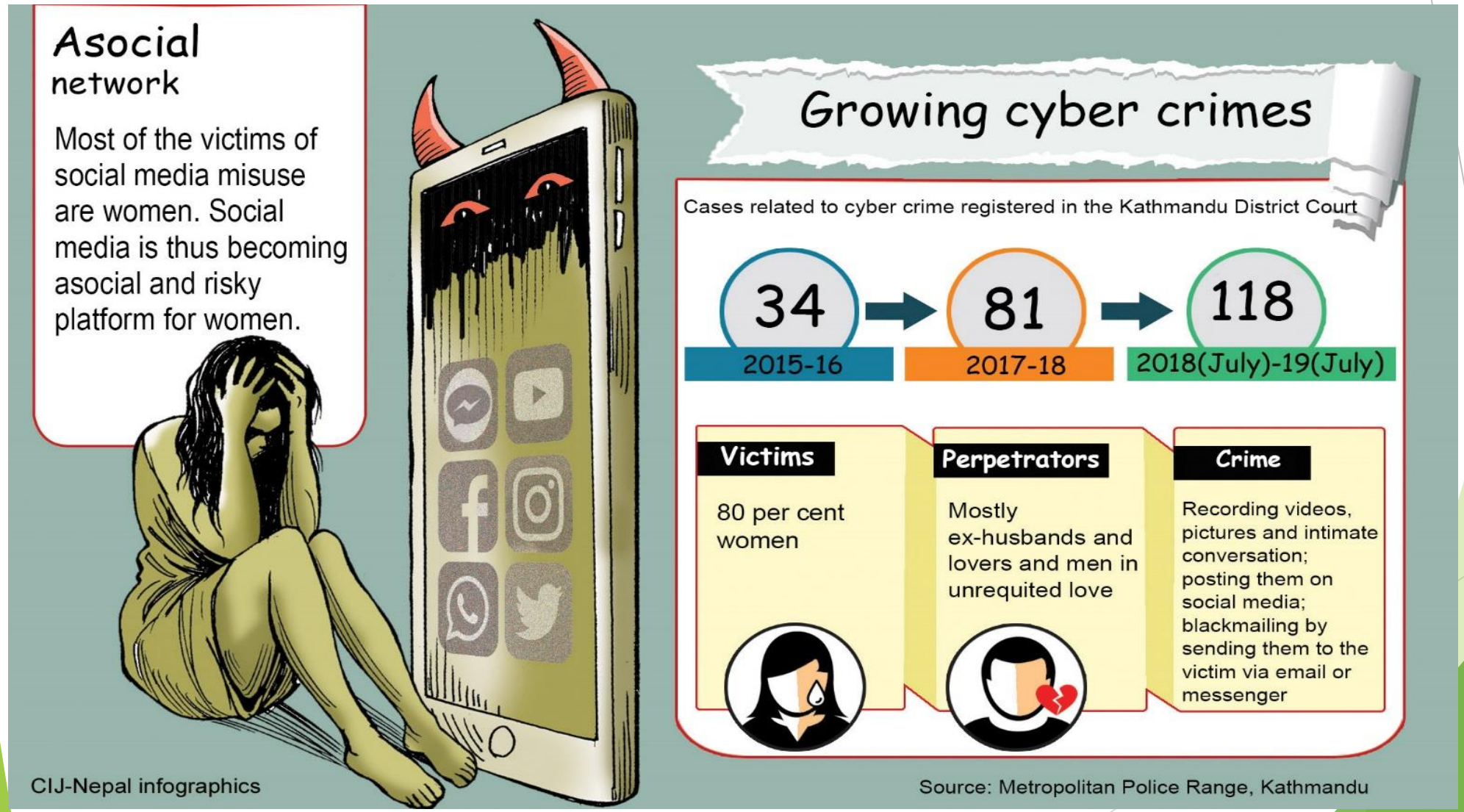
DEFINING CYBER CRIME

* Crime committed using a computer and the internet to steal data or information.
* Illegal imports.
* Malicious programs

MENTAL HEALTH AND CYBER SECURITY

- CYBER BULLYING / ONLINE HARASHMENT
- MISLEADING DATA AND SPAM
- SELF INJURY OR SUCIDE PROMOTION
- IMPERSONATION
- THREATS AND VIOLENCE
- GROSS CONTENT
- MASS REPORTING

CYBER BULLYING / ONLINE HARRASHMENT

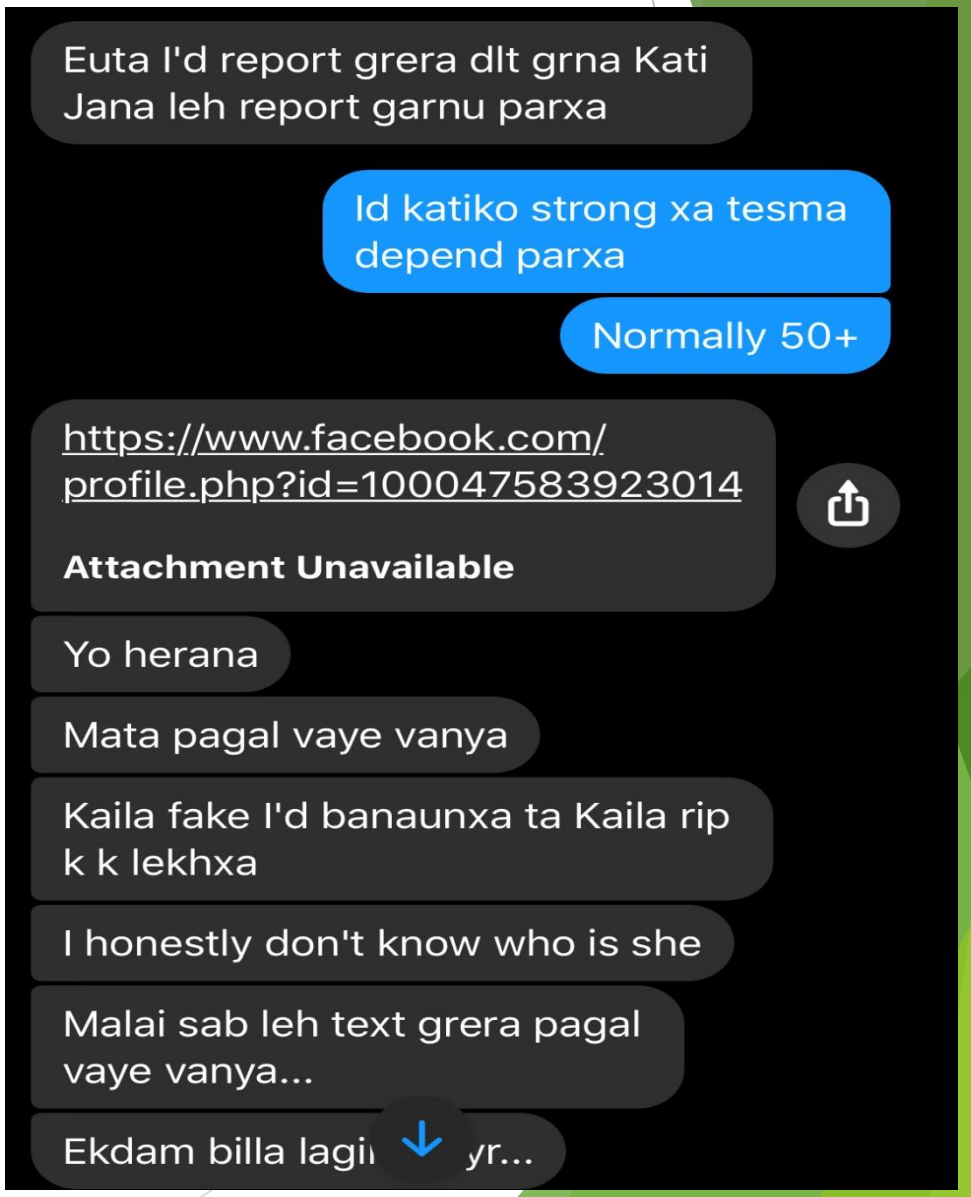


MISLEADING DATA AND SPAM

Monday at 16:45 ·

https://youtu.be/BgtPMO07we8
#arynews
#geonews
#bolnews
#Dunyanews
#samanews

YOUTUBE.COM
Coronavirus ny sharukh khan ke b jan lay le Shah Rukh Khan Dead Shahrukh Khan Death NEWS In Hindi



SELF INJURY OR SUCIDE PROMOTION

Hancy Hero Ko Bf
December 8, 2017 ·

aja mero gf lai ma xanja breakup garray ko ma apno hand cut garray ko

14 11 Comments

Share

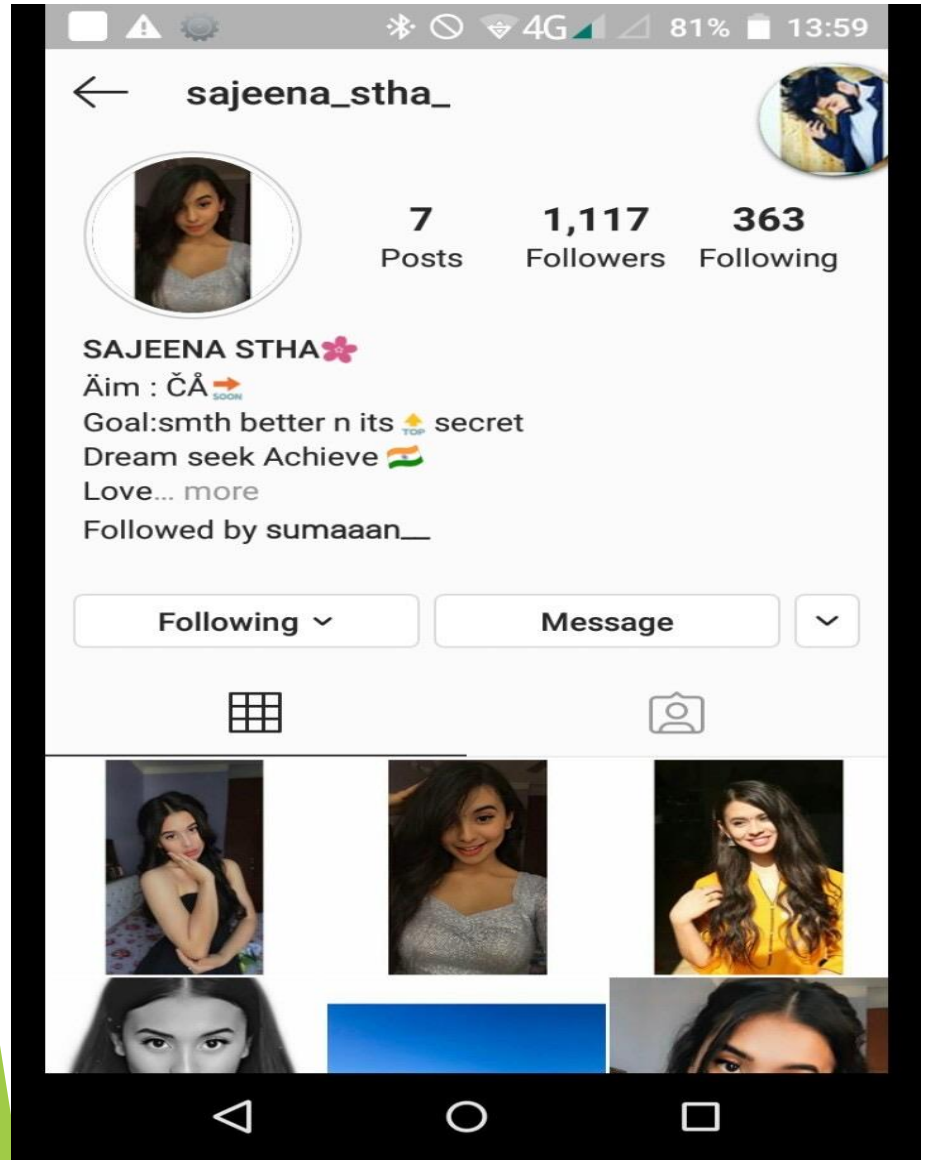
More Photos

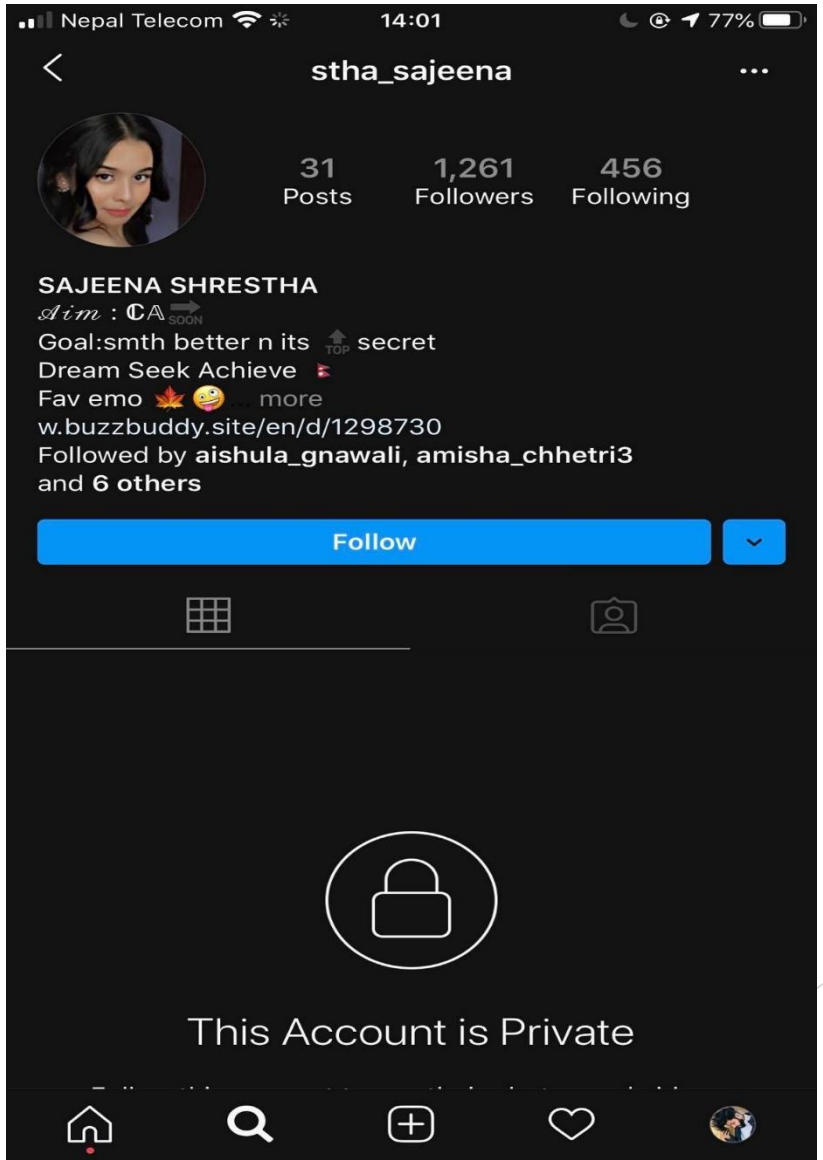
Faizal Siddiqui's TikTok account suspended after video promoting acid attack

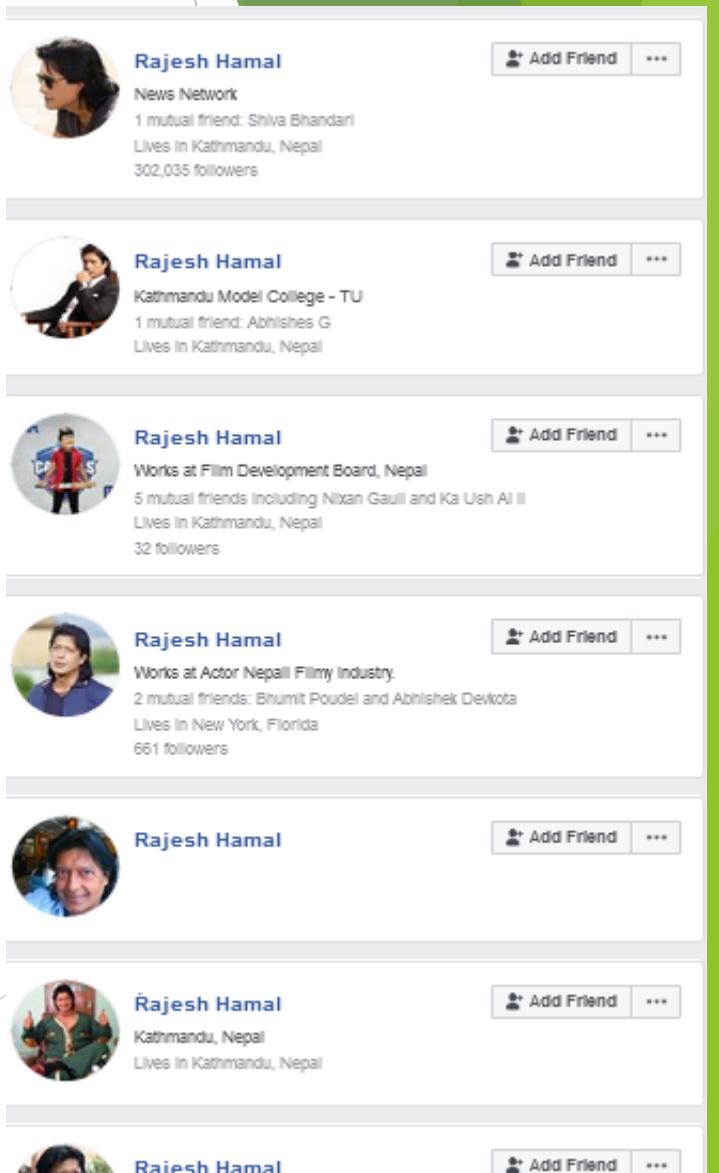
Faizal Siddiqui's TikTok account has been suspended after he posted a video that promoted acid attack.

Medha Chawla
New Delhi
May 20, 2020 UPDATED: May 20, 2020 13:45 IST

IMPERSONATION

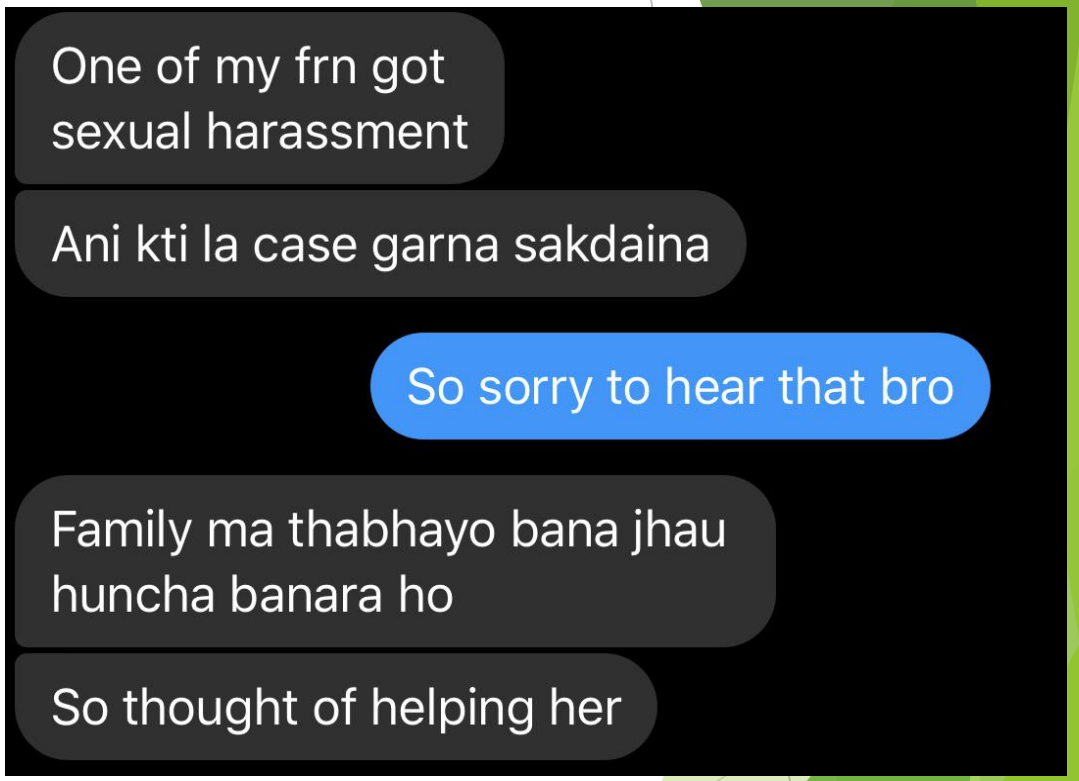






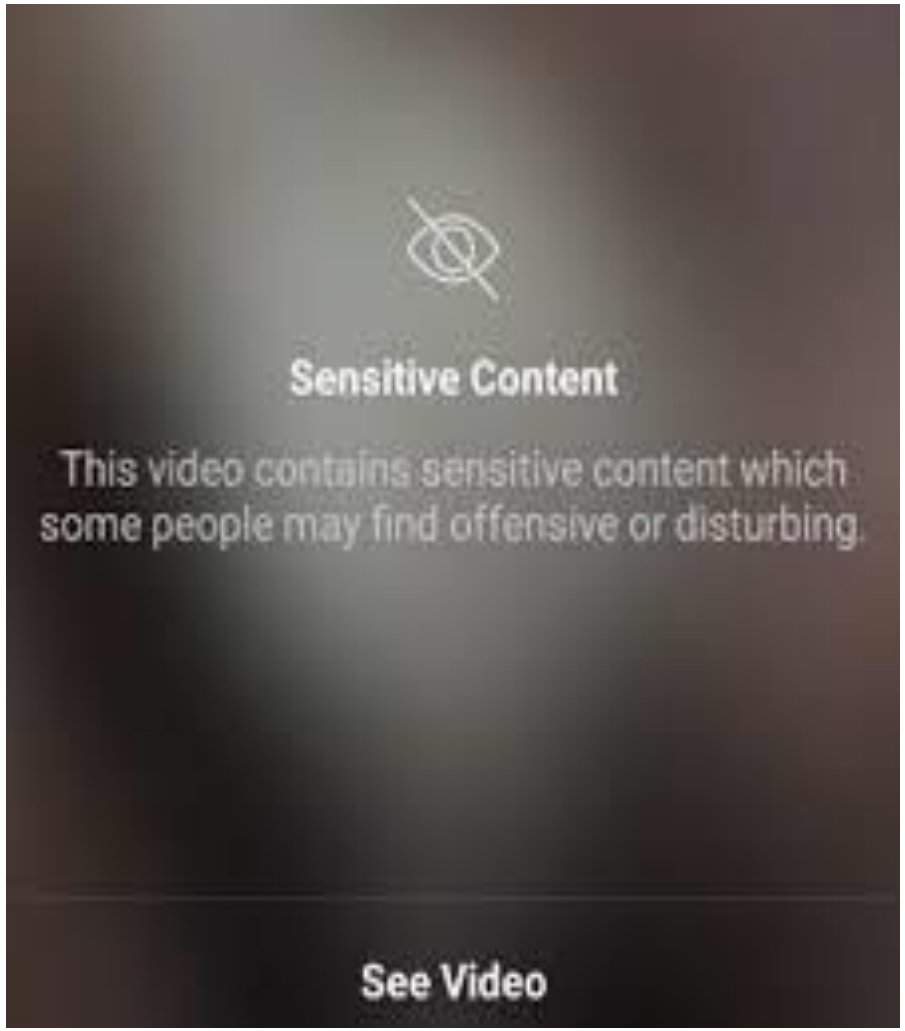
THREATS AND VIOLENCE

- stalking
- hate speech
- Threatening
- non-consensual sharing of images
- recording & distribution of
- sexual assault



Note : *According to the United Nation's 73% of women have already been exposed or experienced some form of online violence.*

GROSS CONTENT



Facebook's Gross Video Scam: Watch the rest of the story

Scumbags posts links on Facebook that can lead to malware infected websites, phishing forms, identity theft, financial losses, or worse. One hopes that all Facebook users have been warned about this by now, but how many have seen what these scams look like in action? When security experts advise "Do not click" with respect to

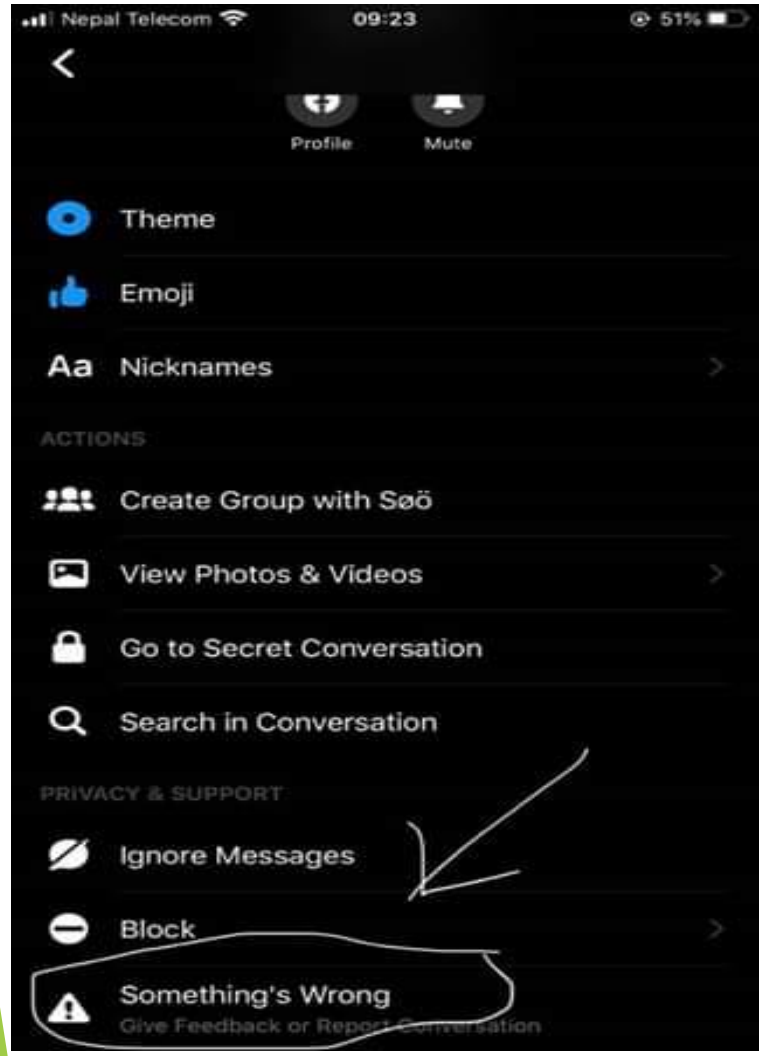
Stephen Cobb 16 Nov 2011 - 05:49AM

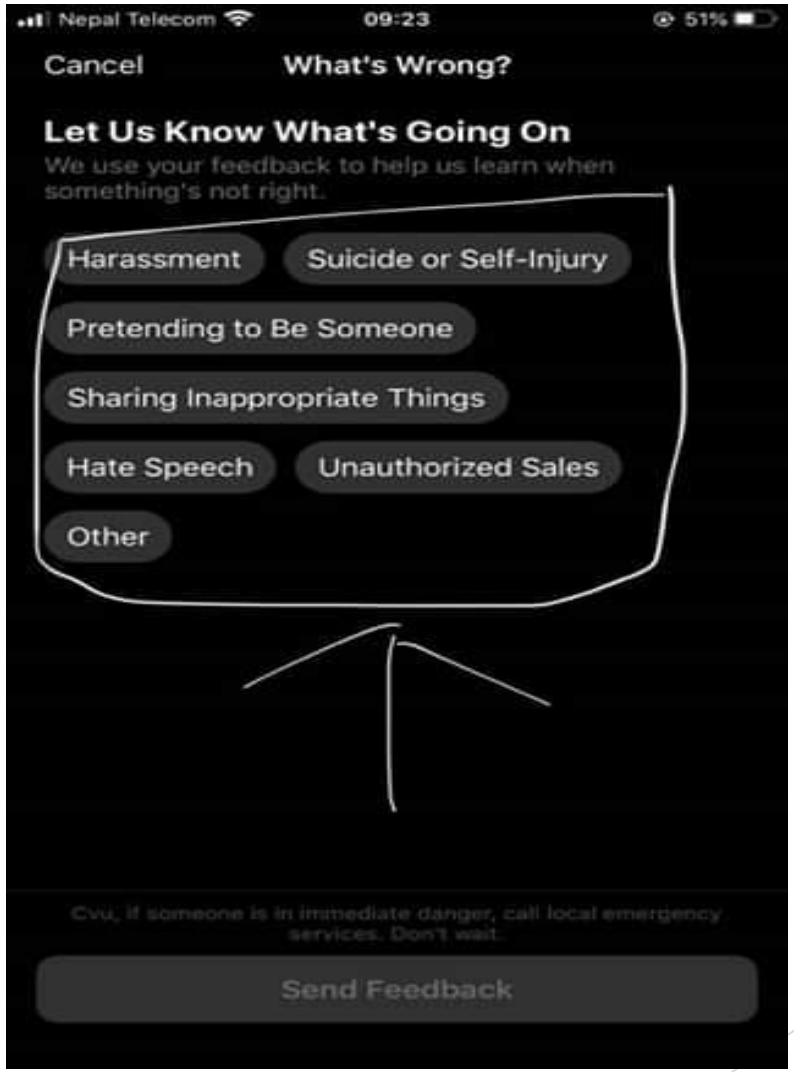
Share

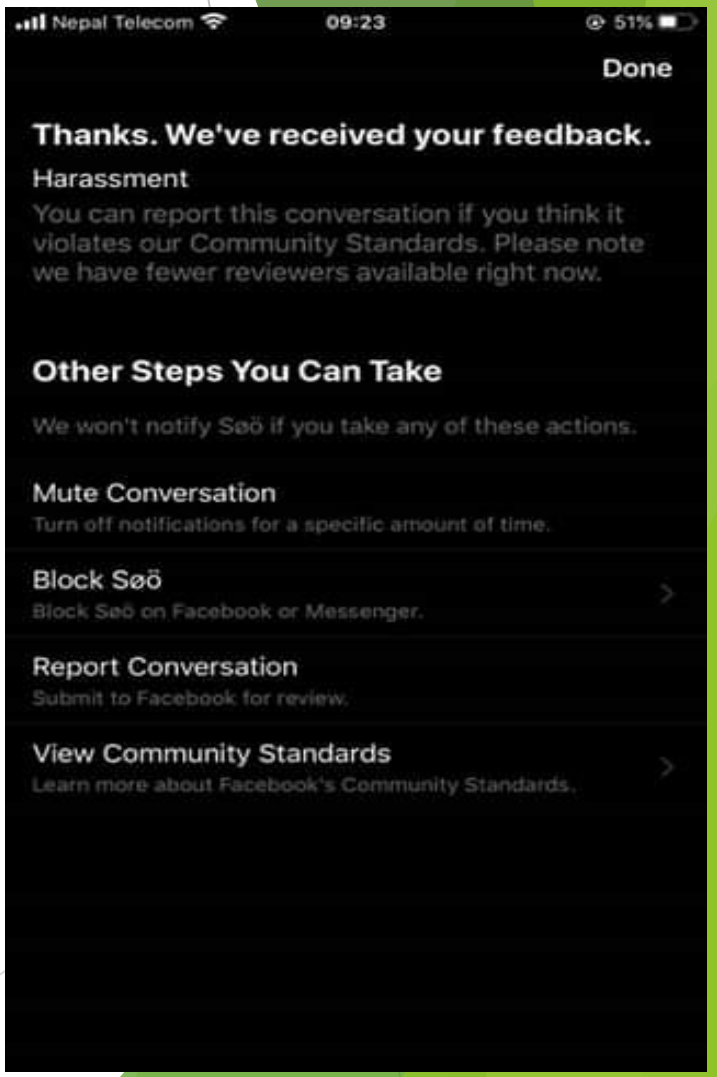
Scumbags posts links on Facebook that can lead to malware infected websites, phishing forms, identity theft, financial losses, or worse. One hopes that all Facebook users have been warned about this by now, but how many have seen what these scams look like in action? When security experts advise "Do not click" with respect to the latest scam spotted on Facebook, why exactly do they say that?

I decided to provide an illustrated answer using an example discovered by my colleague, David Harley, who wrote about a Facebook video teaser on this blog a few days ago. In my video below I show you what happens if you do

BLOCK OR REPORT







MASS REPORTING

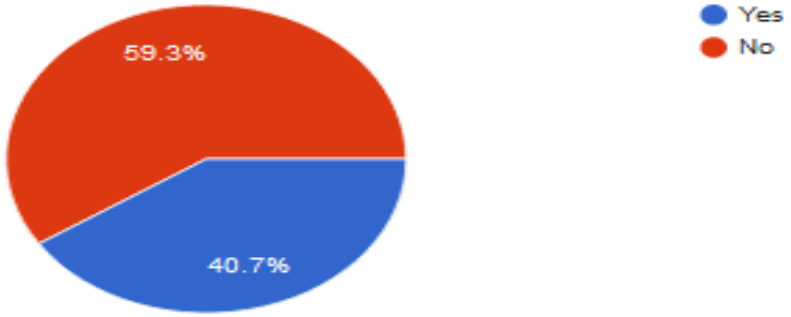
- How?
- When?
- Where?
- Whom?
- How many people does it required?
- What if I am a victim of cyber attacks?

You can mail the cybercrime complaint to the cyber cell of Nepal Police (cyberbureau@nepalpolice.gov.np), or you can also lodge a complaint in person. The Cyber Department deals with complaints
filed online and offline.

SOCIAL MEDIA / WEB SECURITY

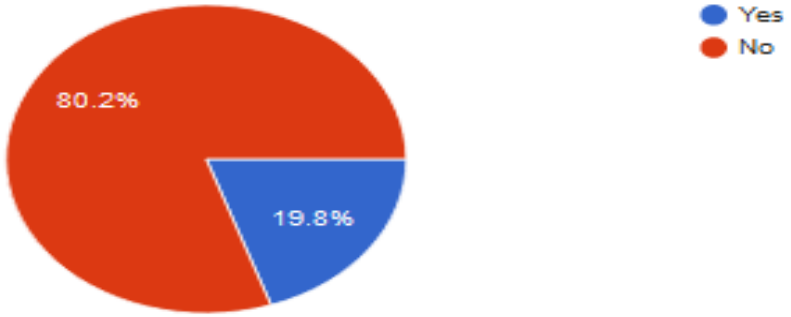
Do you think your Social Media account is secured?

162 responses



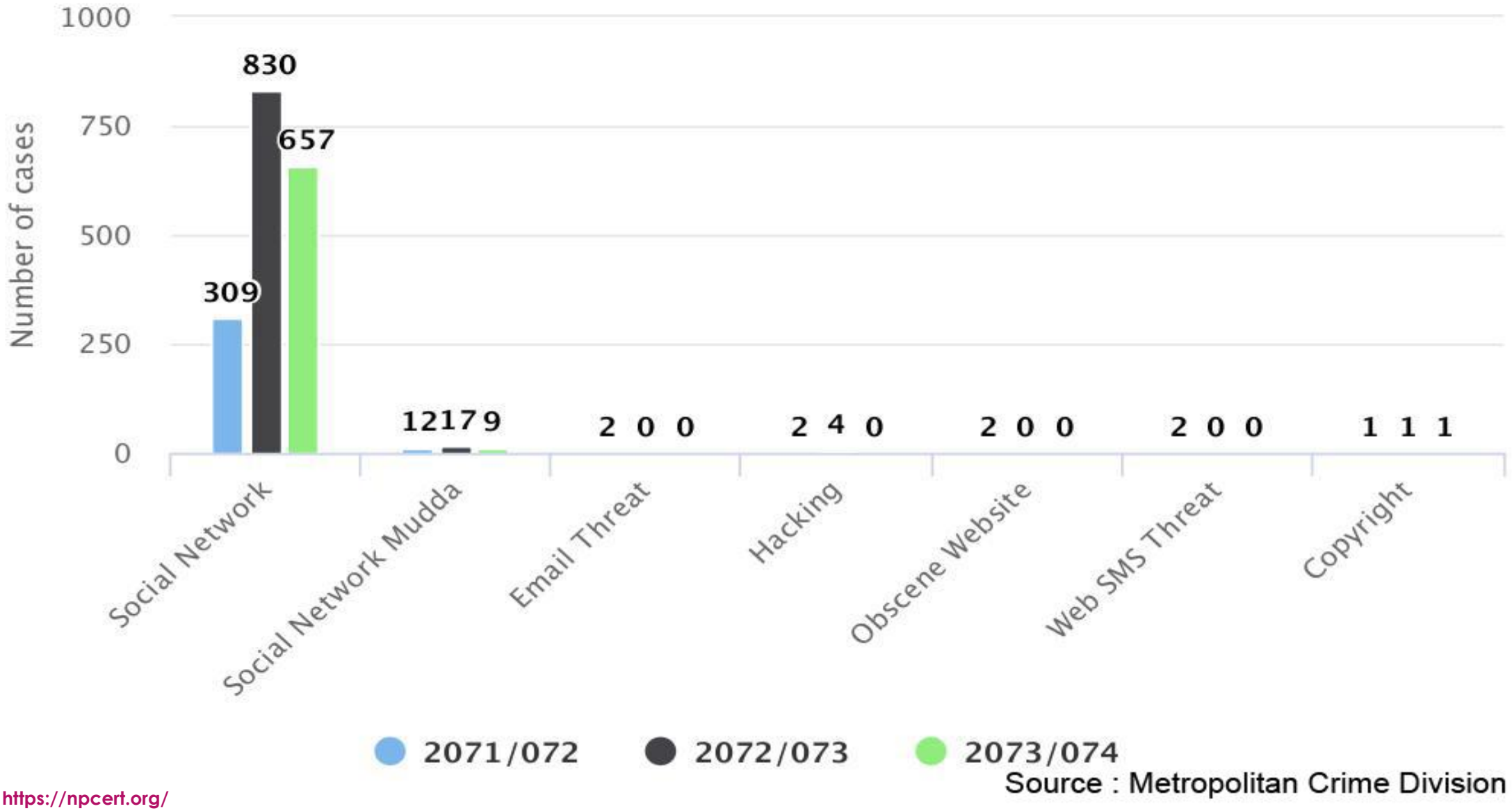
Have your fb or instagram account ever been hacked or disabled?

162 responses



Cyber Crime Investigation In Nepal

Three-year comparative table



Source : Metropolitan Crime Division

https://npcert.org/

MAR 24, 14:24

Story not available on Messenger

APR 11, 06:54

2 Months of Netflix Premium Free at no cost For REASON OF QUARANTINE (CORONA VIRUS) Get 2 Months of Netflix Premium Free anywhere in the world for 60 days.

👇 *Get it now HERE* 👇

http://bit.ly/3ec3SsW

web.facebook.com
web.facebook.com

MAY 04, 16:43

HOW MUCH AMOUNT DOES FACEBOOK SPEND TO MAINTAIN THEIR USER SECURITY ?

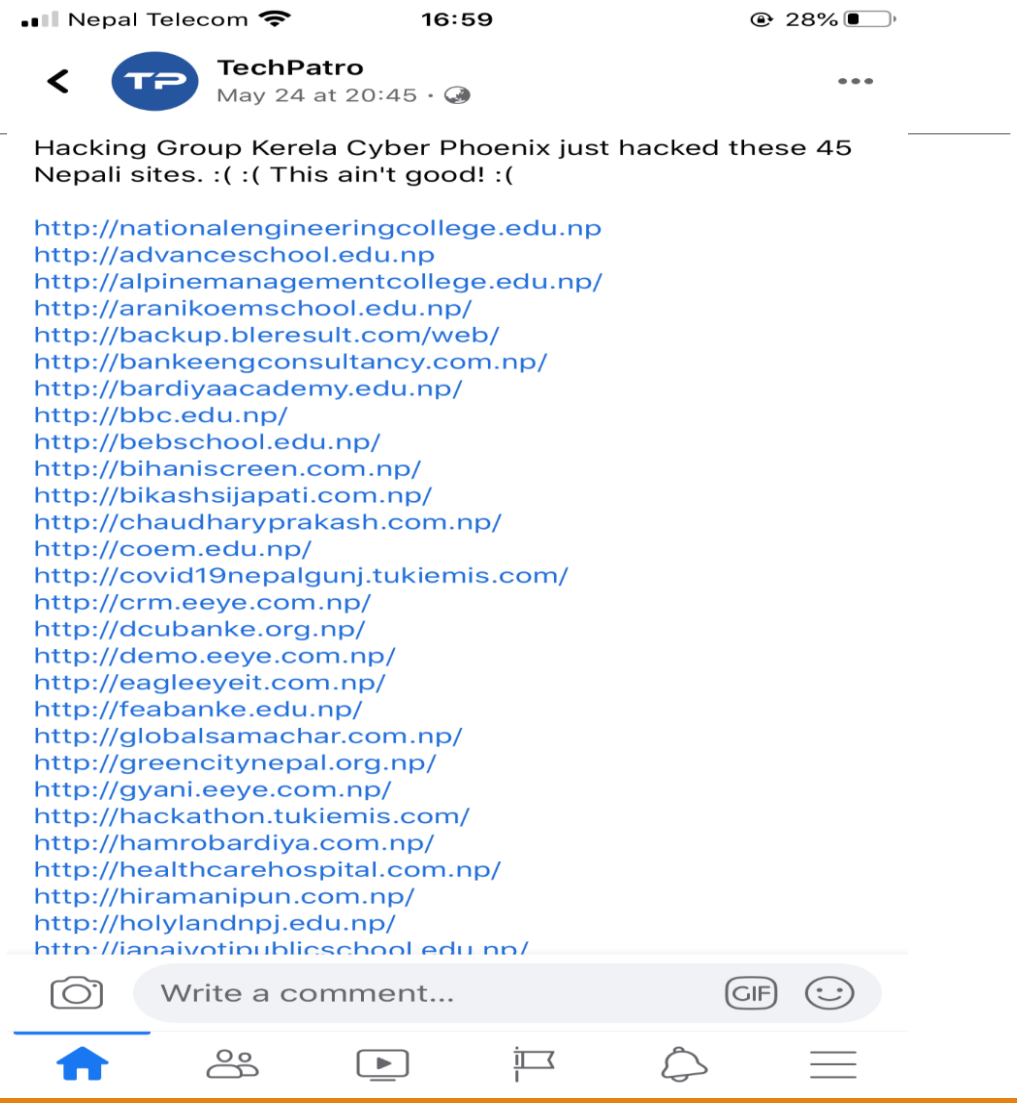
Mark Zuckerberg Says Facebook Will Spend More Than $3.7 Billion on Safety, Security in 2019

By Janko Roettgers

Alberto Estevez/Epa/REX/Shutterstock

Facebook CEO Mark Zuckerberg vowed Monday to spend more than $3.7 billion on safety and security on the company's platform this year. Zuckerberg made the commitment in a post to his Facebook profile that celebrated the company's 15 year anniversary.

CONDITIONS OF NEPALESE WEBSITE



Yes, We Talked to The Hacker | Smart Cell User's Data Leak Case

By Rishikesh - May 18, 2020 0

Facebook Twitter Pinterest Print

Yesterday, an anonymous hacker with username @LKhyah on Twitter leaked 5000 more Smart Cell users' data. He posted the dump on dark web. The data dump contained name, phone number and address as usual. He had leaked 500 in the beginning and leaked more

SOFTWARES

Startups

Lozoom | Ride-Sharing Platf with Ability to Stand

Rishikesh - April 26, 2020

The government has imposed nationwide loc all are staying inside our house, and spendin damn tricky for us. Well,...

Motar | Ride-sharing Pl 0% Commission

April 26, 2020

Instagram To Add 'Ren

Prabhu Money Transfer Receives Threat On Twitter

April 10, 2020, Kathmandu, Nepal

The wounds of recent cyberattacks on 'Foodmandu' and 'Vianet' aren't healed and Prabhu Money Transfer already received a threat on Twitter. A guy with twitter name 'SATAN' with username @Cyber_hell_god has threatened the Prabhu Money Transfer today. He tweeted a tweet tagging @Prabhu_Nepal which is the official twitter handle of Prabhu Money Transfer.

In his tweet, he said that Prabhu Money Transfer's banking and all other services lack security. He also said to have tried to aware them of the issue but they didn't respond. He threatened by saying that Vianet Communications had faced a data breach and Prabhu Money Transfer could be the next. He threatened by saying if they don't fix the loopholes, he'd show a little demo at 8 pm.

SATAN Leaked Data Of Tribhuvan University Teaching Staffs

April 10, 2020, Kathmandu, Nepal

SATAN (@satan_cyber_god), a twitter sensation hacker has leaked data of Tribhuvan

Indian hackers : We will hack every possible database of Nepal

Meanwhile Nepali database :

How Can You Protect Your Website from Hacking?

#1 – Automated, Regular Backups

Don’t forgot to create automated backups which can store your data even after your data is deleted or hacked

#2 – Switch to Secure HTTPS Hosting

#3 – Difficult Passwords

Don’t use simple password like

1. Nepal123
2. 12345679
3. admin
4. Phone Numbers
5. root

What is OWASP?

OWASP stands for the Open Web Application Security Project, an online community that produces articles, methodologies, documentation, tools, and technologies in the field of web application security.

What is the OWASP Top 10?

OWASP Top 10 is the list of the 10 most common application vulnerabilities. It also shows their risks, impacts, and countermeasures. Updated every three to four years, the latest OWASP vulnerabilities list was released in 2018. Let's dive into it!

The Top 10 OWASP vulnerabilities in 2020 are:

- Injection
- Broken Authentication
- Sensitive Data Exposure
- XML External Entities (XXE)
- Broken Access control
- Security misconfigurations
- Cross Site Scripting (XSS)
- Insecure Deserialization
- Using Components with known vulnerabilities
- Insufficient logging and monitoring

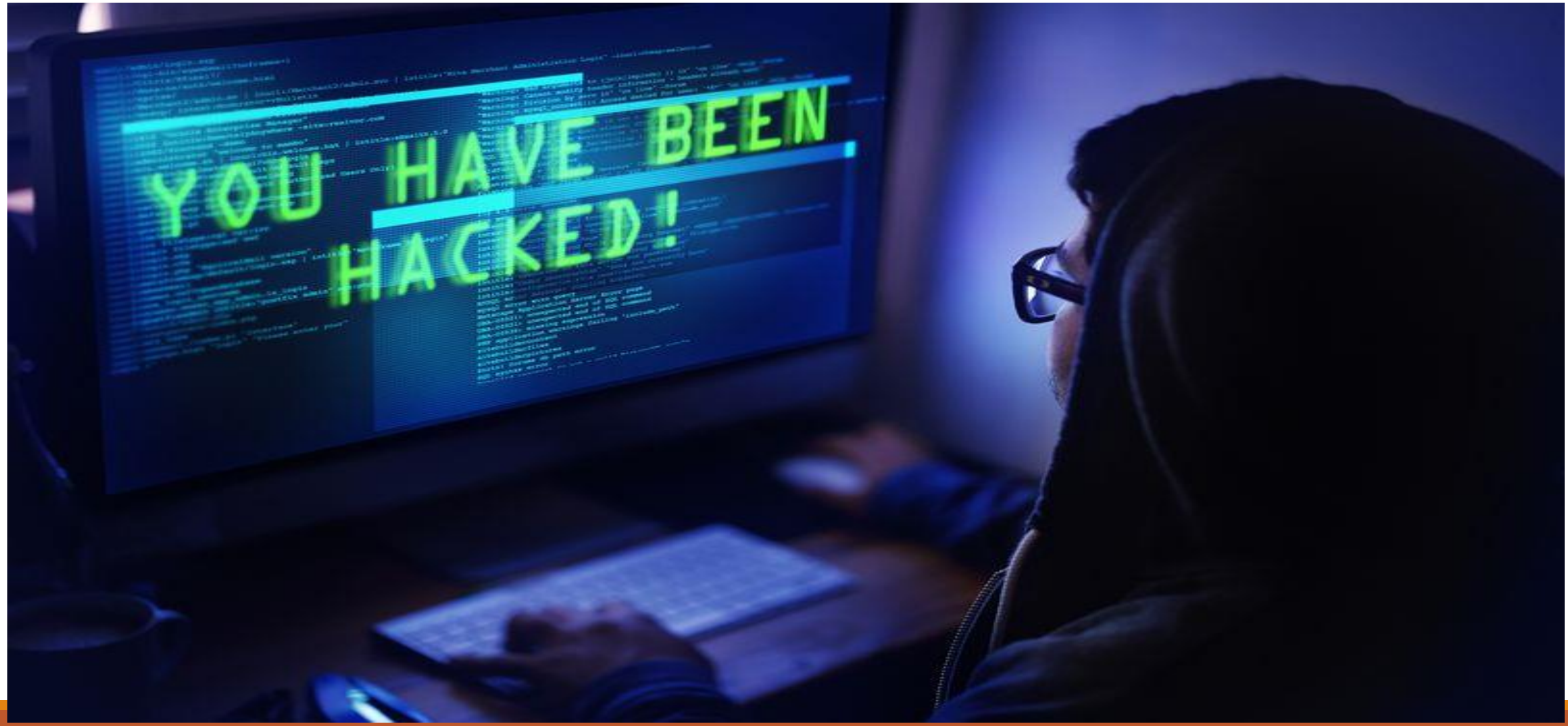
#5 - Hiring Abroad Developer

LACK OF KNOWLEDGE AND AWARENESS

Top 10 hacking techniques!

1. Phishing
2. Keylogging
3. Stealer's
4. Session Hijacking
5. Sidejacking With Firesheep
6. Mobile Phone Hacking
7. DNS Spoofing
8. USB Hacking
9. Man In the Middle Attacks
10. Botnets

How To Be Secured From Hackers?



1. Set up two-step verification

- **Two-step verification is a security measure that makes it tougher for hackers to access your online accounts.**
- **Lots of services make use of the system, with Gmail, Facebook and Apple accounts being popular examples. You won't always be forced to set it up, but you should if it's an option.**
- **Usually, when logging into a service with two-step verification, a unique code will be sent to a 'trusted device' of your choosing, which adds an extra layer of security.**
- **If you want to secure your Gmail inbox with two-step, you'll need the Authenticator app. Every time you want to log in, a unique, one-time code will be displayed on your phone for 60 seconds. After time runs out, the code expires and a new one is generated.**

2/ Schedule your virus scans

- It’ll come as no surprise to hear that antivirus software keeps your PC or Mac protected, but you can improve its effectiveness by relying less on manual scans.
- Most popular antivirus tools support the feature. If you’re a Norton user, for example, set up scheduling by clicking **Security** , then **Scans**

3/ Only install software from trusted sources

- When installing third-party software on Windows or Mac, you'll be told if the source is an 'unidentified developer'. If that's the case, think twice before downloading.
- That brings us onto a similar topic – ads. If you see a box on the side of your screen telling you that your system is 'infected', the chances are you're looking at a fake alert designed to encourage you to download dodgy software.
- Earlier this year, a widespread pop-up scam advised Google Chrome users to install a 'missing font' called HoeflerText. In actual fact, it linked through to malware.

4.Never reuse your main email password

A hacker who has cracked your main email password has the keys to your [virtual] kingdom. Passwords from the other sites you visit can be reset via your main email account. A criminal can trawl through your emails and find a treasure trove of personal data: from banking to passport details, including your date of birth, all of which enables ID fraud. Identity theft is estimated to cost the UK almost £2bn a year.

5/ Don’t Use Common Password

- Another password problem to avoid is using personal information in your password. Passwords that have a sports team, kids’ names, phone number, or birthday are very susceptible to being hacked. Hackers can find this personal information on your public social media accounts and then plug it into their machines to create password combinations of your personal information.
- When creating a password, remember to use numbers, symbols, upper- and lowercase letters, and to make it as long as possible. If you’re having trouble thinking of a new password, try using a passphrase. Just make sure that the phrase is not a commonly known phrase, such as those related to a nursery rhyme or a historical event

6. Think before you share information

- It has become fashionable for young people to express their affection for each other by sharing their passwords to e-mail, Facebook and other accounts. Boyfriends and girlfriends sometimes even create identical passwords, and let each other read their private e-mails and texts

7.Be wary of public Wi-Fi

- Most Wi-Fi hotspots do not encrypt information and once a piece of data leaves your device headed for a web destination, it is "in the clear" as it transfers through the air on the wireless network, says Symantec's Sian John. "That means any 'packet sniffer' [a program which can intercept data] or malicious individual who is sitting in a public destination with a piece of software that searches for data being transferred on a Wi-Fi network can intercept your unencrypted data. If you choose to bank online on public Wi-Fi, that's very sensitive data you are transferring. We advise either using encryption [software], or only using public Wi-Fi for data which you're happy to be public – and that shouldn't include social network passwords

Scopes Of Hacking

1. Job In Big Companies' Security Team (Like : facebook, eBay, Microsoft, Google etc)
2. Job In Cyber Security Company
    a. Some Cyber Security Company Of Nepal
        i. Eminence Ways
        ii. Seknox
        iii. ThreatNix

1. Bug Bounty
2. Independent Security Researcher
3. Freelancer

Bug Bounty $$$

1. hackerOne (*https://hackerOne.com*)
    a. Filedescriptor (***https://hackerOne.com/filedescriptor***)

1. BugCrowd (***https://bugcrowd.com***)
2. YESWEHACK (***https://yeswehack.com***)
3. Cobalt (*https://cobalt.io*)

etc...

Challenges &Solutions (During lockdown)

- Use of pirated tools
- Encrypted communication tools
- Routers /firewall
- Provide employee awareness
- E-commerce
- Spamming
- Software update
- Email

NOTE : THINK BEFORE YOU CLICK

Conclusion

- **Remember you're human after all**
  While much of the above are technical solutions to prevent you being hacked and scammed, hacking done well is really the skill of tricking human beings, not computers, by preying on their gullibility, taking advantage of our trust, greed or altruistic impulses. Human error is still the most likely reason why you'll get hacked.

Dedicated Cyber Security Company in Nepal

Vairav Tech
Eminence Ways
One Cover Pvt. Ltd.
Reanda Biz Serve (IT)
Cynical Technology
CryptoGen Nepal
ThreatNix
Netfiniti
npCert (Information Security Response Team Nepal)
CSRI Nepal (Center For Cyber Security Research and Innovation)
Pentester Nepal
Owasp Local Chapter Nepal
For more Information: https://ictframe.com/dedicated-cybersecurity-company-from-nepal/

CONTACT :

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- Instagram - https://www.instagram.com/_c_v_u__/
- Semicolon Tec - https://m.facebook.com/semicolontecintl

ANY QUERIES

Thank You

Use Internet Safer, **#StaySayCure**