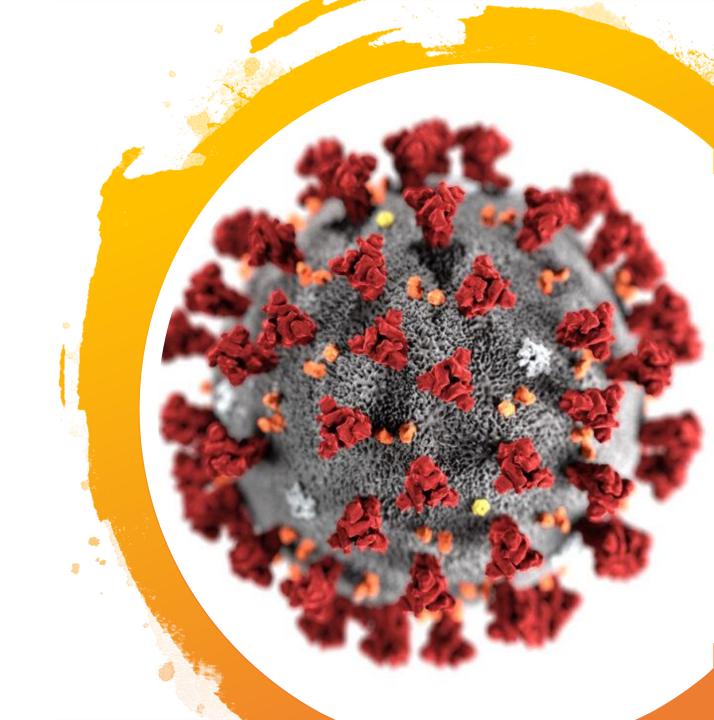# COVID RELATED CYBER CRIMES

Dr. ANANTH PRABHU G

B.E, MBA, MTech, DCL, PhD, Post Doctoral Fellow

Professor- Sahyadri College of Engineering & Management

Cyber Law Trainer- Karnataka Judicial Academy

Cyber Security Trainer – Karnataka Police Academy

Director- SUREPASS

DISCLAIMER

Any Views or opinions presented in this presentation are solely mine.

- I am not a lawyer or giving you legal advice
- I am not giving you permission or authorizing you to do anything ever.
- In fact don't do anything ever

COVID19 Tip

Respect the real heroes who are helping you during COVID-19 pandemic situation.

Security Tip

Respect the privacy of others just as you expect the same from them.

COVID19 Tip

Refer government authorised sources for COVID-19 updates and news.

Security Tip

Refer authorised sources for downloading genuine app.

COVID19 Tip

Clean and disinfect your belongings after you reach home to secure your family from COVID-19.

Security Tip

Clear cookies and delete browsing history at end of session and stay safe.

COVID19 Tip

Include superfoods in your diet to boost your immunity and fight against COVID-19.

Security Tip

Pay extra attention when using public Wi-Fi, and avoid making payments while you are on unprotected Wi-Fi.

COVID19 Tip

COVID19 Tip

COVID19 Tip

COVID19 Tip

COVID-19 Help Desk ✚

If you feel any symptoms of COVID-19,
don't fear to consult any nearest health center

अगर आपको कोविड-19 के कोई भी लक्षण महसूस होते हैं, तो
किसी भी नजदीकी स्वास्थ्य केंद्र से परामर्श करने से न डरें

If you are being bullied online, don't fear,
talk to your parents or any trusted elder

यदि आपको ऑनलाइन परेशान किया जा रहा है, तो डरें
नहीं, अपने मातापिता या किसी विश्वसनीय बड़ों से बात करें

40th ANNIVERSARY SPECIAL | **UNSUNG HEROES**

CHANGE METER
He is training students and women in cyber security to keep them safe online

ANANTH PRABHU G., **34**
Cyber-security expert, MANGALURU

CYBER SENTRY

As a cyber security guest faculty at the Karnataka State Police Academy and Karnataka Judicial Academy, since 2011, Ananth Prabhu Gurpur has shared with his audiences all that he has learned about cyber crimes against women. "I was terrified thinking what if crimes like these happen to someone in my family or with my friends. So I started the #cybersafegirl daily posts, using info-toons to highlight cyber crimes, the modus operandi of the criminals and how one could stay safe," says Prabhu.

When the number of identified common cyber crimes—based on calls for help from women—reached 15 by 2018, Prabhu compiled them into a book by the same name. As new crimes came to light, he added another 10 and launched the book's second edition this year. "I would like to believe that the info-toons have left a deep impact on readers, and that they now think before clicking on anything and everything they come across online," says Prabhu.

Cyber awareness is the key, says Prabhu, who has trained more than 100,000 students in India on cyber security and the best practices to stay safe online. An online course on cyber security and a downloadable version of his book are available on his website (www.cybersafegirl.com). Prabhu cautions that smartphones, laptops and digital devices have turned into a mine of information about people's lives.

"There is also something called deep fakes. With the help of high-end filters, photo editors, printers, scanners, apps and other software, anyone can pick your video and use your input to manipulate and blackmail you. Such advanced picture morphing can have dangerous consequences," explains Prabhu, who has a PhD in computer engineering from the Visvesvaraya Technological University, Belgaum.

Prabhu wants cyber security introduced in school curriculums so that students are made more aware of the dangers lurking online. He cautions government agencies on the need to upgrade their cyber security and would also like to see India's cyber laws updated periodically to meet the growing challenges.
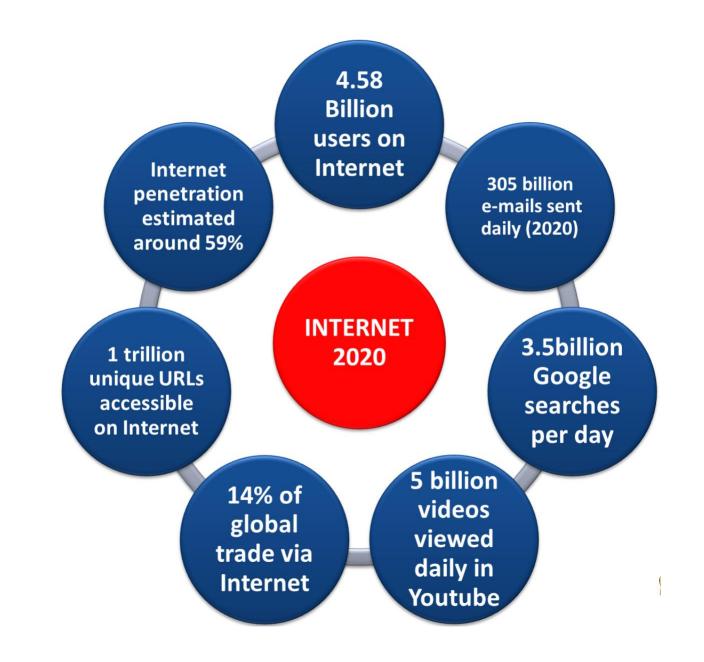
Prabhu, who teaches computer science and engineering at Mangaluru's Sahyadri College of Engineering and Management, says e-books and workshops are the first steps towards ensuring women's safety in cyberspace. "I also do not want people to lose money, reputation or intellectual property to cyber criminals." Asked what keeps him motivated, he smiles: "Nothing is more satisfying than participants at workshops walking up and saying a thank you!" ∎

—Amarnath K. Menon

"I WISH TO SEE INDIA SURPASS ISRAEL IN CYBER SECURITY. WE HAVE THE BEST BRAINS, THE RIGHT PLATFORM AND THE OPPORTUNITIES TO BECOME THE FORERUNNER IN ANY TECHNOLOGY"

RAJESH SHETTY

INDIA TODAY

YOUTH ICON
Prabhu with students of Sahyadri College of Engineering and Management, Mangaluru

HACKING IS THE
NEW NORMAL

SANJAY SAHAY, IPS

4.58 Billion users on Internet

305 billion e-mails sent daily (2020)

3.5billion Google searches per day

5 billion videos viewed daily in Youtube

14% of global trade via Internet

1 trillion unique URLs accessible on Internet

Internet penetration estimated around 59%

INTERNET 2020

2010

2020

In just 10 years camera man & pilot both lost their jobs. UPGRADE YOURSELF

Coronavirus lockdown: Drone delivers pan masala in Gujarat. Video goes viral

A video of pan masala getting delivered using a drone in Morbi, a town in Gujarat has gone viral on the internet.

India Today Web Desk
New Delhi
April 12, 2020 UPDATED: April 12, 2020 20:08 IST

Drone delivers pan masala in Gujarat Photo: Instagram
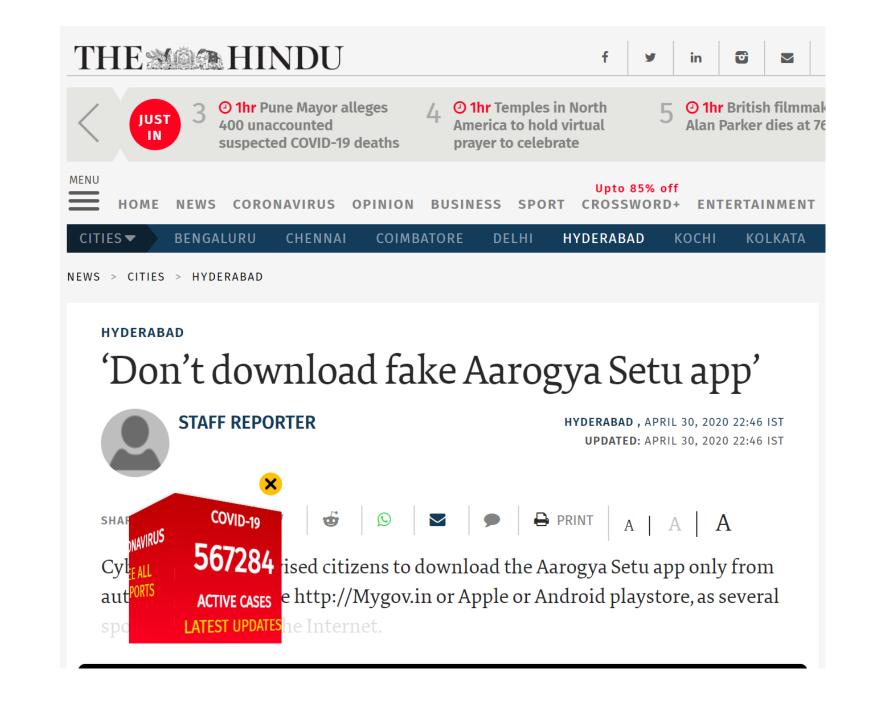
TELEPHONE BOOTH

EARLIER

NOW

THE HINDU

f twitter in instagram mail

JUST IN

< 3 ⏱ 1hr Pune Mayor alleges 400 unaccounted suspected COVID-19 deaths

4 ⏱ 1hr Temples in North America to hold virtual prayer to celebrate

5 ⏱ 1hr British filmmak Alan Parker dies at 76

MENU

HOME   NEWS   CORONAVIRUS   OPINION   BUSINESS   SPORT   Upto 85% off CROSSWORD+   ENTERTAINMENT

CITIES ▾   BENGALURU   CHENNAI   COIMBATORE   DELHI   HYDERABAD   KOCHI   KOLKATA

HYDERABAD

'Don't download fake Aarogya Setu app'

STAFF REPORTER

HYDERABAD , APRIL 30, 2020 22:46 IST
UPDATED: APRIL 30, 2020 22:46 IST

SHAR

reddit whatsapp mail comment 🖨 PRINT   A | A | A

Cyb_____ised citizens to download the Aarogya Setu app only from
aut_____e http://Mygov.in or Apple or Android playstore, as several
spo_____the Internet.

COVID-19
567284
ACTIVE CASES
LATEST UPDATES

COVID-19

How to adapt to the new threat environment.

Dealing with a ransomware attack during the COVID-19 pandemic could be a nightmare scenario. While the basics of protecting your organization won't change during this pandemic; there are some additional challenges that should be considered.

Ransomware isn't going anywhere

Criminal groups are increasingly switching to COVID-19 themed lures for phishing exploiting your consumers' and employees' concerns over the pandemic and the safety of there loved ones.

There's also evidence that remote working increases the risk of a successful ransomware attack significantly. This increase is due to a combination of weaker controls on home IT and a higher likelihood of users clicking on COVID-19 themed ransomware lure emails given levels of anxiety.

Some current ransomware lures include:

- Information about vaccines, masks and short-supply commodities like hand sanitizer.
- Financial scams offering payment of government assistance during the economic shutdown.
- Free downloads for technology solutions in high demand, such as video and audio conferencing platforms.
- Critical updates to enterprise collaboration solutions and consumer social media applications.

Thousands of shady websites with 'coronavirus' or 'covid' in their domain have popped up since January - and it reflects how eagerly scammers are trying to cash in on the epidemic

■ **AARON HOLMES** | APR 3, 2020, 20:22 IST

AP Photo/Mark Schiefelbein

- Since January, there has been an exponential rise in the number of websites with domain names
  ○ **COVID-19** ☓ onavirus," "COVID," and "COVID-19," according to a new report.
  WORLD

IMPORTANT: Covid-19 Update

World Health Organisation [update@world-health.info]

Sent: 07 April 2020 17:07

To: Matthew Connor

Attachments:

World Health Organization

Dear Matthew Connor,

The World Health Organisation has confirmed that Covid-19 is now airborne and has released prevention methods that everyone must follow.

At this time, 340 new cases have been confirmed around your location today. The risk to the public in your city and throughout the world is classed as **EXTREMELY HIGH**.

Please read and follow the updated requirements:

https://www.who.int/covid-19-requirements-update
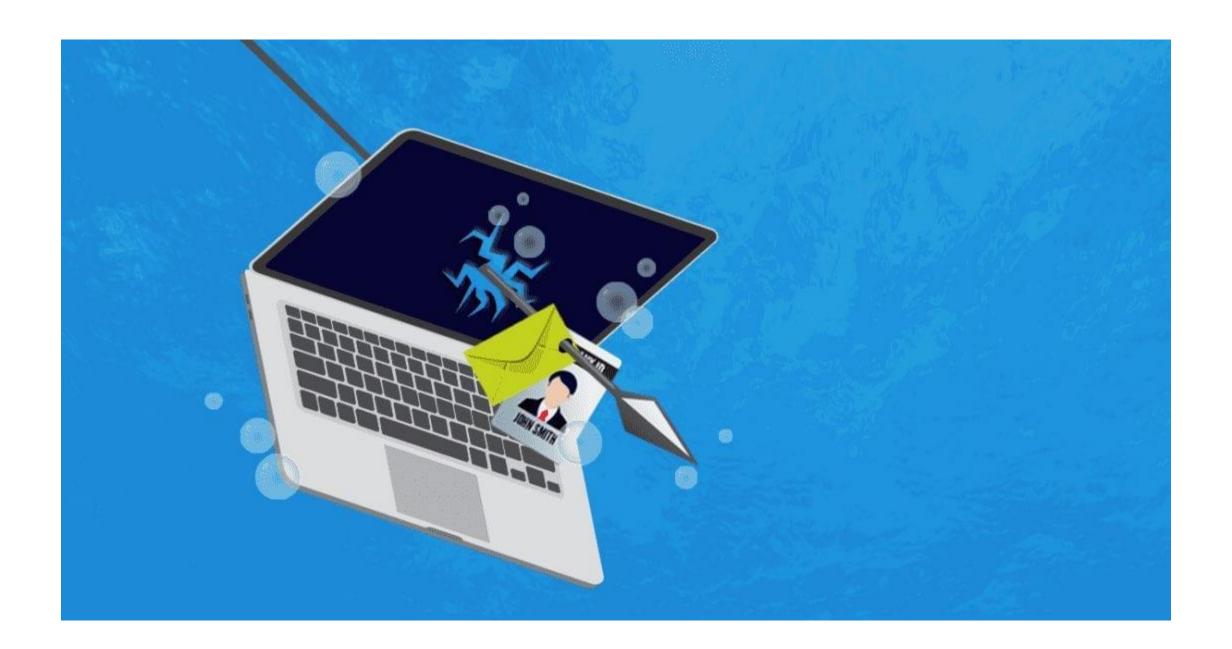
THESE PREVENTION METHODS MUST BE FOLLOWED

Attackers can pick the name they wish to appear as in your inbox. For this reason, you should always check the email address of any unexpected mail. In this case the email comes from @world-health.info which is not a legitimate WHO email address.

It is easy for an attacker to make a link within an email appear to be legitimate. If an email is unexpected always hover your mouse over any links it contains to determine where it will actually take you. If in any doubt do not click. If on mobile, consider waiting to action that email until you log in on a desktop computer.
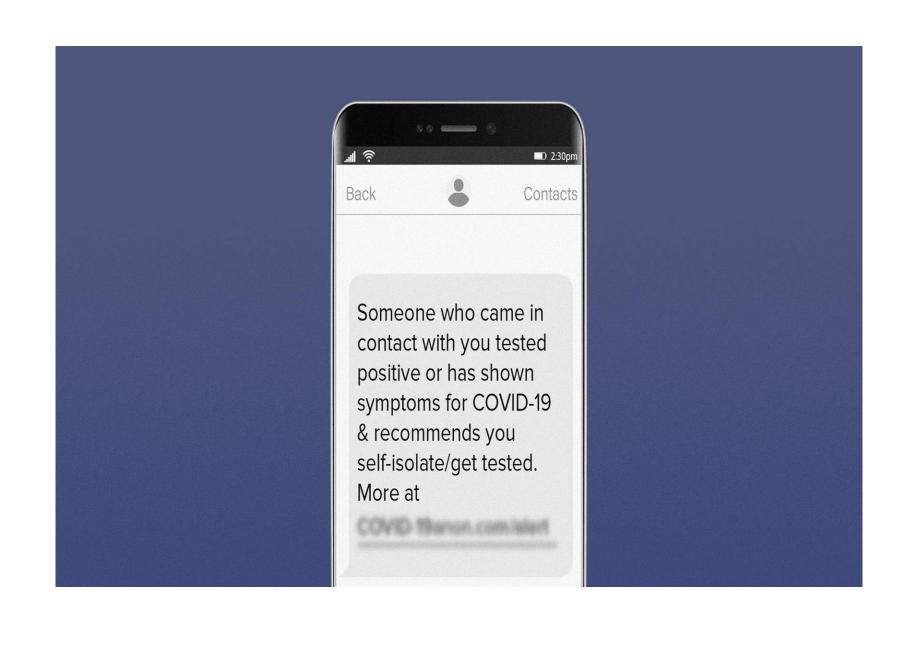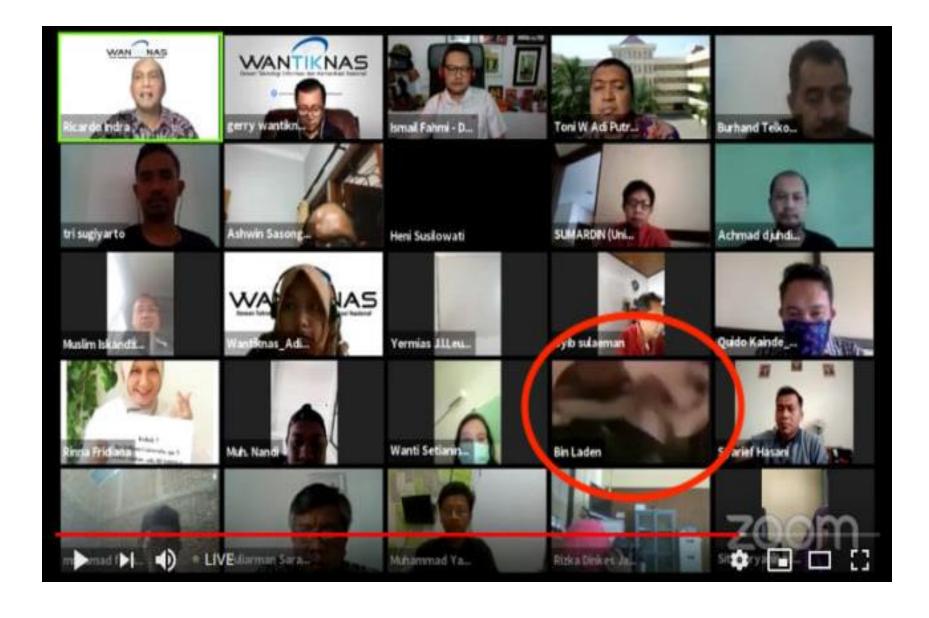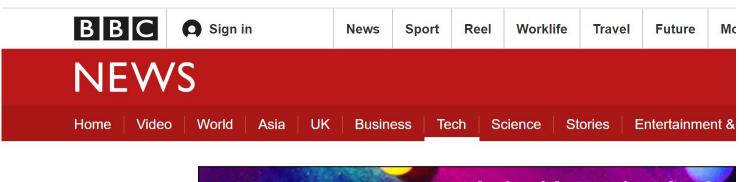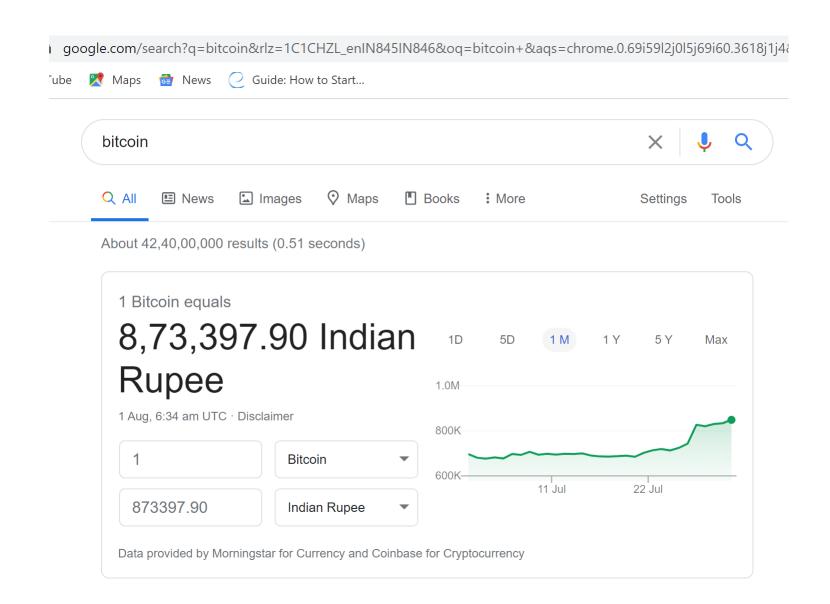
This email is full of urgent and frightening language. The attacker is leveraging an existing and real fear, alongside a purported escalation of the seriousness and an urgency of action. Whenever you receive an email which feels urgent, it is critical to slow down and consider its content, sender and what it is asking you to do. If in any doubt speak to a colleague or a trusted security officer.

NEWS

Hackers post fake stories on real news sites 'to discredit Nato'

30 July 2020

Share

Tube   Maps   News   Guide: How to Start...

bitcoin   ✕   🎤   🔍

🔍 All   📰 News   🖼 Images   📍 Maps   📖 Books   ⋮ More   Settings   Tools

About 42,40,00,000 results (0.51 seconds)

1 Bitcoin equals

8,73,397.90 Indian Rupee

1 Aug, 6:34 am UTC · Disclaimer

| 1 | Bitcoin ▾ |

| 873397.90 | Indian Rupee ▾ |

Data provided by Morningstar for Currency and Coinbase for Cryptocurrency

1D   5D   **1 M**   1 Y   5 Y   Max

1.0M

800K

600K

11 Jul   22 Jul
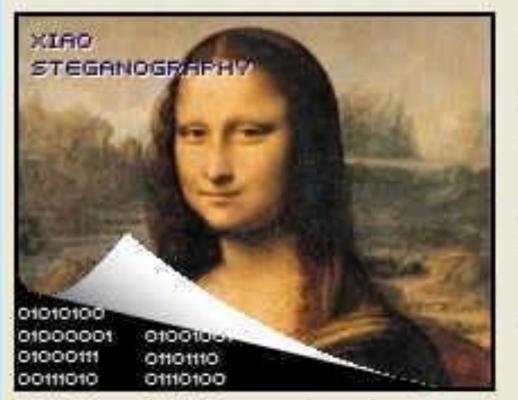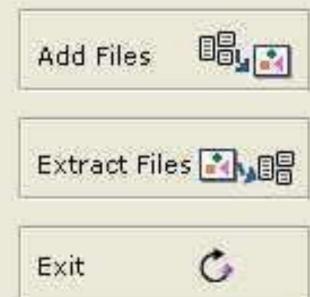
The Tale of Two Links

www.amazon.com

www.amazon.com

IDN Homograph Attack

Make a Similar name of any word

Confusable	Confused With
CYRILLIC SMALL LETTER A а	LATIN SMALL LETTER A a
CYRILLIC SMALL LETTER O о	LATIN SMALL LETTER O o
CYRILLIC SMALL LETTER ER р	LATIN SMALL LETTER P p
CYRILLIC SMALL LETTER IE е	LATIN SMALL LETTER E e
LATIN SMALL LETTER DOTLESS I ı	LATIN SMALL LETTER I i
LATIN SMALL LIGATURE OE œ	LATIN SMALL LETTER O/LATIN SMALL LETTER E oe

Cyber
Safe
Girl 3.0

Beti Bachao,
Cyber Crime Se...

30 eye-opening sketches
to ensure online safety of girls

Ananth Prabhu G PhD, Post Doctoral Fellow
Co-Authors **Prashanth Jhala** & **Yashwant Kumar KN** DySP

www.cybersafegirl.com

ANY QUESTIONS?
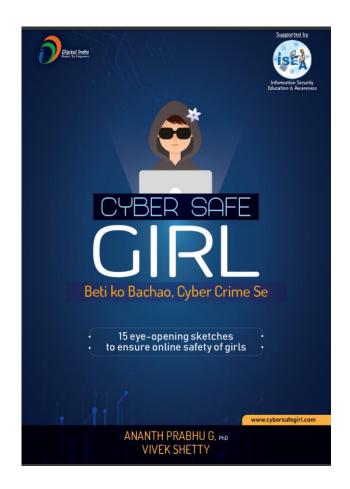
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