













#### www.isea.gov.in Information Security Education and Awareness (ISEA) Project staysafeonline.in

Celebrating "Safer Internet Day" Together for a Better Internet



- Safer Internet Day is observed worldwide on the second Tuesday of every February to
  - Raise awareness
  - Promote the safe and responsible use of the internet
  - Particularly among children, women, and young people

 Ministry of Electronics and Information Technology (MeitY) is celebrating a nationwide awareness campaign on 11th February, 2025 under the aegis ISEA Project in collaboration with NIC.



- Conduct Awareness Workshops at the district / block / gram panchayat levels in districts with support from DIOs/ ADIOs
- Educate local citizens and officials on safe internet practices
- The workshops will focus on
  - Promoting cyber hygiene,
  - Raising awareness about key cyber threats,
  - Equipping participants with effective mitigation techniques.

#### Date & Time: 11<sup>th</sup> February, 2025 (10.30 AM – 12:00 PM)













### **Outline of the presentation:**

- Brief Introduction
- About the Internet
- Use of Internet in our Day-to-Day life
- Safe Use of Internet (Internet Safety)
- Common Cyber Threats
- Cyber Hygiene Practices
- Mechanism to report cyber-crimes (1930)
- Awareness Resources for Staying Safe Online (<u>www.staysafeonline.in</u>)

















Places where Internet is used

- Home
- School
- Office
- Malls
- Driving
- Banks

In today's world, we depend on Internet at home, in officers for doing several activities















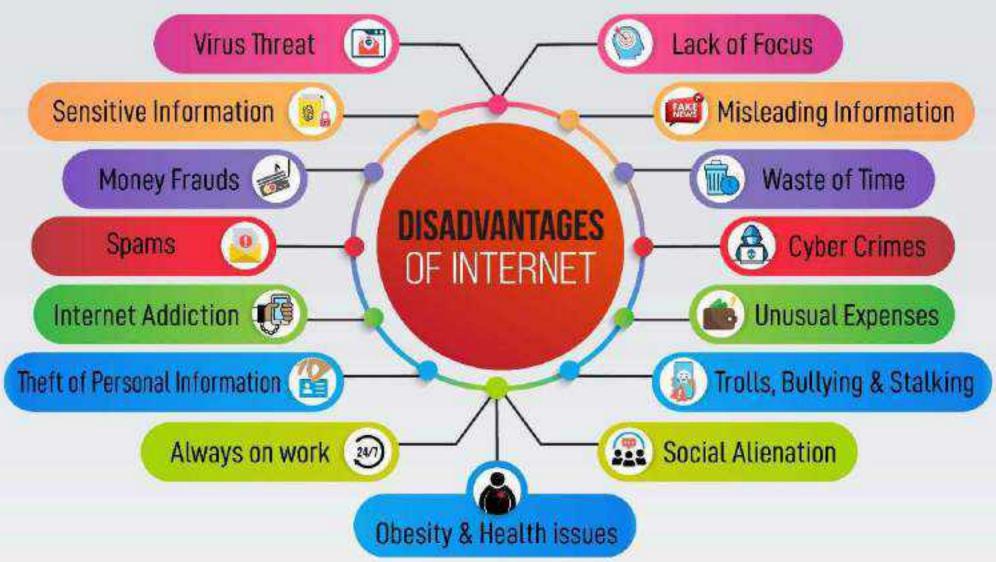
## Use of Internet in our Day-to-Day life



## Data Never Sleep



## **DISADVANTAGES** OF INTERNET





feonline.in















# **Common Cyber Threats**













## Phishing

Phishing is the attempt to obtain sensitive information such as

usernames, passwords, and credit card details (and, indirectly,

money), often for malicious reasons, by disguising as a

trustworthy entity in an electronic communication.

Common Phishing keywords:

- A "required action" as a part of a system or quota upgrade
- A "required action" to prevent email account closure
- A "trusted" vendor, such as a fake Dropbox or Google alert
- A "legitimate" banking alert















## **Examples of Phishing Websites**

- www.gmai1.com
- <u>www.icici6ank.com</u>
- www.bank0findia.com
- www.yah00.com













## Phishing Videos

www.youtube.com/embed/lwzUsN9u8xk?si=YBUUXtHov2WxEl3t

www.youtube.com/embed/j\_J4AL8\_hHk?si=ERjVtgiE2o\_XLy2i

www.youtube.com/embed/8c7XlqHj3-o?si=-ceuQ0bNQvhepa4L



Beware of emails/links providing special offers like rewards, winning prize, cashback offers etc., Do not click on unknown/dire ct links, that requests for critical personal data





1

Security tips

Always install antivirus software on devices for protection Never share personal details or financial information like login credentials/ passwords/cred it or debit card details/ CVV/OTP

1





Only visit authorized/ legitimate company/o rganization website for valid information Never download unauthorized apps or software as they can infect devices



Report incidents related to cyber frauds on www.cybercrime.gov.in or call on 1930













## Vishing

Vishing - Phone calls made by fraudsters to steal your personal information and sensitive information

- they communicate
- as bank officer
- referring your shopping

#### OR

you may land up callin phishing number through search engines















## Smishing

← AD-ROLEXS

9/17/20 Thu 21:59

Hi Jagadish Babu, Last Day of RADO, ROLEX Flat 80% OFF SALE. LUXURY WATCHES & more. Hurry!

Visit: https://bit.ly /2GWuz8T















### Phishing, Vishing and Smishing Video

#### www.youtube.com/embed/r2srMQYMPrU?si=1LHJwCrh5WZuM-nu













### **Identity Theft**

- Identity theft involves a range of tactics used by cybercriminals to illicitly obtain personal information for fraudulent purposes.
  - Financial fraud
  - Opening unauthorized accounts
  - Making purchases
  - Committing other crimes
  - Emotional distress for victims















### **Identity Theft Video**

#### www.youtube.com/embed/w2XHNtr55M8?si=UvAx4PVdaZi3VAaL

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### **Financial Fraud**

 Financial fraud refers to the act of committing fraudulent activities or deception to obtain money, assets, or other property owned or held by a bank, financial institution, or its customers.

 It can involve a wide range of illegal and dishonest schemes and activities intended to defraud a bank or manipulate its systems for financial gain.













### **Financial Fraud**

#### INDICATORS

- Unauthorized transactions or charges
- Notifications of changes to account information you didn't make

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- Sudden changes in credit scores
- Phishing attempts linked to financial institutions













**Lottery Scams** 

Lottery scams prey on excitement, tricking victims into believing they've won a huge prize—without ever entering.

- Fraudsters send fake emails, messages
- Calls claiming you must pay taxes or fees to claim your winnings
- They pressure you to act fast, demanding personal and financial details
- The truth? Real lotteries never ask for upfront payments
- Ignore unsolicited lottery notifications, verify with official sources, and never share sensitive information.

















## **Lottery Scam Videos**

#### www.youtube.com/embed/5bXr5KawZDU?si=pYIoFfnqZodzFu7U

#### www.youtube.com/embed/5-\_ojBsxsJo?si=gW15QgqP5DbGzorB













## Fake Apps

A fake loan application is a type of financial scam where fraudsters impersonate legitimate financial institutions or lenders and trick individuals into applying for loans under false deceptions.

- Malware Installation Once installed, fake apps may collect personal data, track keystrokes, or install additional malicious software.
- Phishing & Scams Some fake apps prompt users to enter login credentials or payment details, which hackers then steal.

## Full List OF Instant Loan Scam Apps Delete Now Immediately











Digital India Power To Empower





## Fake App Video

#### Fake App: <u>https://youtube.com/shorts/tAdI6gteHYI?si=8Rh1n8\_UXY3\_71XK</u>















#### **Investment Frauds**

Investment frauds deceive individuals into investing in fake or misleading opportunities, promising high returns with little to no risk.

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- Scammers use money from new investors to pay earlier investors, creating an illusion of profits. Eventually, the scheme collapses.
- Fake crypto projects promise huge returns but disappear with investors' money.
- Fake Real Estate Investments Fraudsters sell nonexistent properties or promise unrealistic rental income.















### **Investment Fraud Video**

#### www.youtube.com/embed/0hzFS3OA23U?si=kE9GAGw4ujXpiLGd



## **Cyber Hygiene Practices**

awareness.isea.app







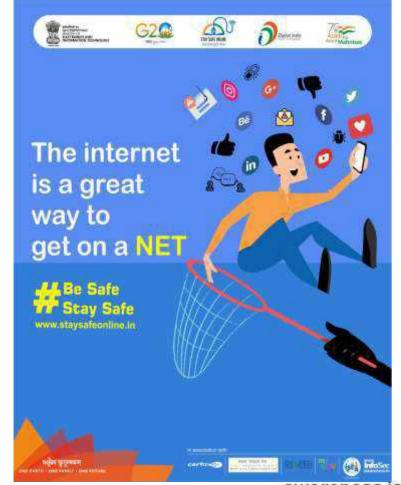






#### **Cyber Hygiene**

- Training yourself to form good habits around cybersecurity and stay ahead of cyber threats and online security issues.
- Cyber hygiene aims to maintain
  - Hardware and
  - Software's basic health and security,
- Cyber hygiene helps to keep data safe and secure.
- Help prevent cybercriminals from causing security breaches or stealing personal information.



wareness.isea.app













#### Benefits of cyber hygiene practices

Individual / organization minimizes the risk of

- Financial loss,
- Damage to the organization's reputation
- Protect user data
- Identify software problems
- Handle existing and emerging threats
- Predicting threats can be challenging, preparing and preventing





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#### Cyber hygiene checklist to ensure you're keeping yourself protected Keeping passwords safe and secure

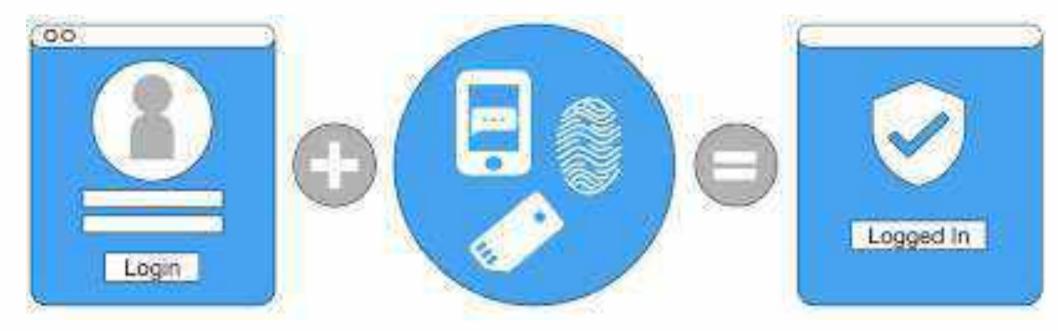
- I avoid using the same password for different accounts
- I change my passwords on a regular basis
- My passwords are at least 12 characters long (and ideally longer)
- My passwords involve a mix of upper- and lower-case letters plus symbols and numbers
- My passwords avoid the obvious such as using sequential numbers ("1234") or personal information that someone who knows me might guess, such as my date of birth or a pet's name
- I change the default passwords on my Internet of Things (IoT) devices
- I avoid writing my passwords down or sharing them with others staysafeonline.in





### **Using multi-factor authentication**

• All my essential accounts – such as email, social media, or banking apps – are protected with multi-factor authentication (MFA)



more than one form of identity to authenticate a user and approve access

NATIONAL CYBER SECURITY AWARENESS MONTH OCTOBER, 2021





## PASSWORD

is a key element in Protecting your online accounts

#### Make it Strong and Smart



#### Best Practices to keep your password Safe & Secure



InfoSec POSTER

> Personal Information in password makes it a weak password



Regularly change and avoid repeating the password



passwords as secret even from your family members



Create personalized pass phrases as Password following password creation criteria

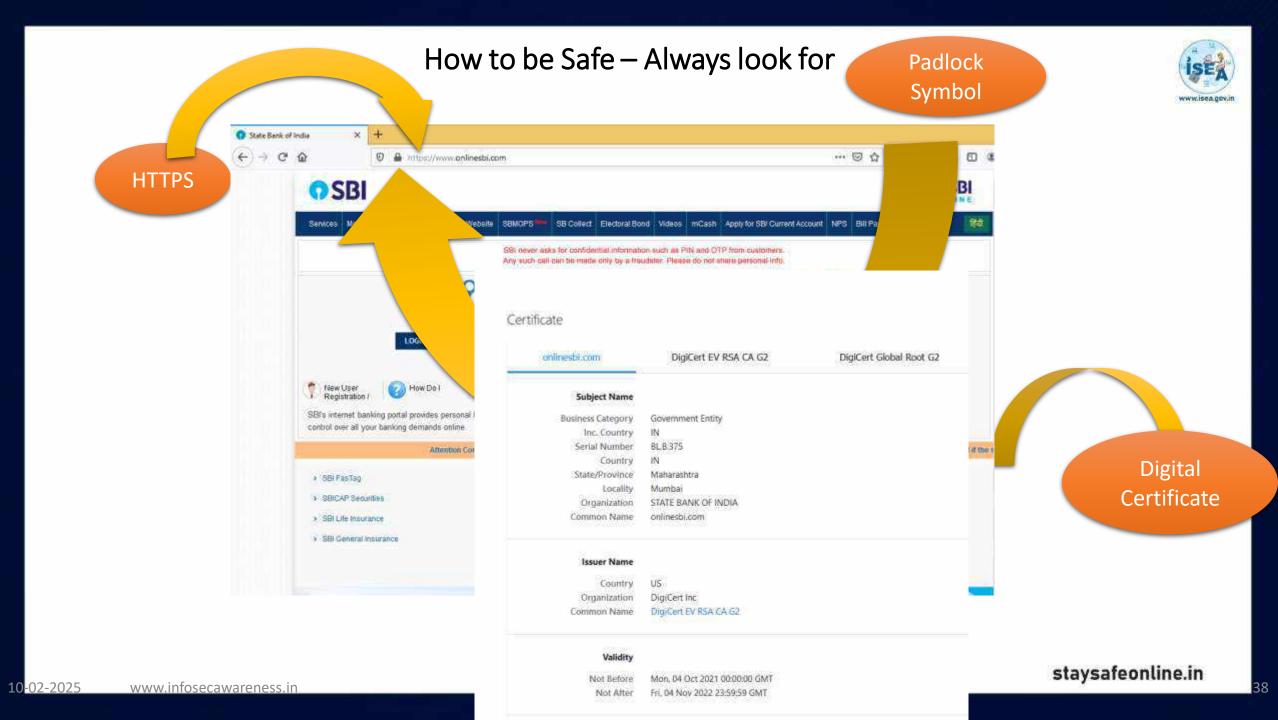






#### **Ensuring privacy**

- Don't post private information such as my home address, private pictures, phone number, or credit card numbers publicly on social media
- Avoid quizzes, games, or surveys on social media that ask for sensitive personal information
- Phone locked with a password or PIN
- Take care not to disclose private information when using public Wi-Fi
- Make sure any online transactions I make are via a secure website where the URL starts with https:// rather than http:// and there is a padlock icon to the left of the address bar
- Share information about online privacy with family and friends to help keep them safe





### HOW TO DETERMINE FAKE WEBSITES



Type the website's name into a search engine and review the results The address bar contains a vital information. Always check

the url before browsing / buying / registering



#### Look at the website's connection type Make sure the website connects securely over http (https, not http)

HTTPS: GOOD HTTP: BAD

Verify website certificate and trust seals Always check for SSL Certification, to confirm its

legitimacy. Trust seals are commonly placed on homepages, login pages, and checkout pages.

SSL Secure Connection

Search Engine

L.,

cyberswachhtakendra.

#### http://www.gmaiCOn

#### Look for bad English on the site

If you notice a large number of poorlyspelled (or missing) words, generally bad grammar, or awkward phrasing, you should question the site's reliability

#### Watch out for invasive advertising

If your selected site has a stunningly large number of ads crowding the page or ads that automatically play audio, it's probably not a credible site

www

mosec

awareness.in

http://www.knowyourwebsite.com



WWW.

http://cert-in.org.in/ gov.in

sertine

For more details / queries on Cyber Security visit or call us to our Toll free number

1800 425 6235















### Fraudulent calls If you share you may loose your money

No bank will ask for bank account, debit / credit card details, CVV number etc.,

















#### **UPI – Best Practices** Digited Antise



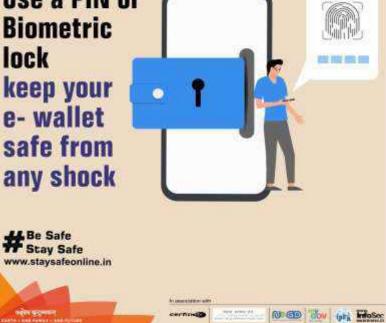


Change your	UNITED THINKING INTERNACI
UPI PIN at	Enter New PIN
regular 🤺	Confirm PIN
intervals	





**Use a PIN or Biometric** lock keep your e- wallet safe from any shock





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ऑनलाइन सरक्षा कवच





### **UPI – Best Practices**

- UPI PIN is most important
- Never share your UPI PIN
- Do not use easy to guess UPI PIN
- Beware of cameras while entering UPI PIN
- Use trusted app from trusted source
- Ensure using updated app
- Avoid using Public Wifi
- Remember that QR codes are only a means to MAKE payments and NOT RECEIVE them



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#### How to secure - Credit card and Debit card

- Use Strong Passwords
- Sign the back of your Card
- Monitor your Account
- Be Careful with your Card
- Use Two-Factor Authentication
- Use Secure Websites
- Check your Credit Report
- Report Lost or Stolen Cards Immediately
- Set Limits

### Online banking services Best Security Practices for Digital users



#### Security practices to protect Personal Identifiable Information (PII)



Create hard-toguess security access codes / passwords for Online Banking and make them unique



Use a personalized passphrase while creating a password, it will ensure that you can remember it even though it is long. Example iLOv3Bl@CkcOLOr



writing down

keep it

passwords, memorize

strictly personal and

Avoid

them and

confidential

User should not disclose to ANYONE security access codes – like passwords, PIN, OTP, account no. etc.,



After accessir online bankir services, alwar remember "log off " fro online sessio and not close th browser directly



User should never leave PC unattended when logged into Online Banking



safeonline.in



### Keeping apps, software, and firmware up to date

• I update apps, web browsers, operating systems, and firmware regularly to make I'm using the latest versions, which have eliminated or patched possible security glitches

- Where possible, I have set up features to ensure automatic software updates
- I delete apps I no longer use

• I only download apps from reputable or official sources

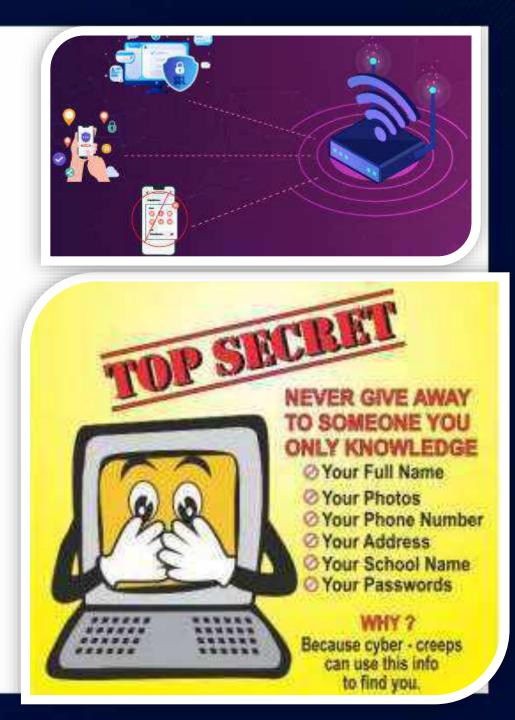
#### Public Wi-Fi: Avoid making financial

transactions over public Wi-Fi networks.

**Personal Info:** Be careful about sharing your full

name, address, phone number, or financial details

online.





### **Recent Cyber Incidents**



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# Digital Arrest is Fraud

#### Under 'Digital Arrest' For 17 Days, Hyderabad Woman And Daughters Lose Rs 5.5 Crore

Curated By - Satyoki Baldys Translation Dask Last Updated: December 11, 2024, 12:11 IST

The caller had claimed the woman's Aadhaar-linked phone number was linked to money laundering and drug cases. The call was then transferred to two fake CBI officers on Skype who placed them on "digitally arrest"

¢

Folge us on Google News



The family was keen under continuous video and audio curve/lance and their movements were severely rectricted. Gepresentative/Stufferators(

An elderly woman in Hyderabad and her daughters were recently victims of a harrowing digital arrest, held captive online for 17 days by cyber criminals who also stole Rs 5.50 crore from their account.

The 67-year-old woman, Bharti Bai, and her two daughters were held under digital house arrest by fraudsters impersonating as Central Bureau of Investigation (CBI) agents, with only brief periods allowed for the daughters to leave for exams.



#### NRI sisters fall victim to 'digital arrest' in Uttar Pradesh, duped Rs 1.9 crore

Two NRI sisters from Canada, visiting India, lost Rs 1.9 crore in a cyber fraud in Lucknow. The scammers posed as Mumbai Crime Branch officers and forced the sisters into transferring the money.



Two NRI sisters scammed of Rs 1.9 crore in Lucknow in a case of digital arrest. (Representational photo)



# DIGITAL ARREST IS A FRAUD

- No Government agency (Police, CBI, ED) can investigate or arrest you over video or voice calls.
- Don't Panic! Do not share any personal information over calls
- Before acting, check and confirm with concerned authority.
- Preserve evidence.
- कोई भी सरकारी एजेंसी (पुलिस, सीबीआई, ईडी) वीडियो या वॉयस कॉल पर आपकी जांच या गिरफ्तारी नहीं कर सकती।
- घबराये नहीं! कोई भी निजी जानकारी कॉल पर साझा न करें।
- कुछ भी करने से पहले, परिवार या संबंधित अधिकारी से पुष्टि करें।
- सबूत सुरक्षित रखें



STOP

# Beware Digital Arrest

Sharing your personal informations.

THINK Why govt agency will threaten you on call.

# TAKE ACTION Disco and a

Disconnect the call and report on 1930.

Hon'ble PM's mantra to stay away 'Digital Arrest' scam.

खाते से घोखाथड़ी से पैसा निकलने की दशा में तुरंत 1930 पर काल करें। किसी भी अनजान व्यक्ति से अपना खाता संख्या, पिन, ओटीपी, सीवीबी नम्बर इत्यादि ना साझा करें।

https://cybercrime.gov.in Cyber Crime Hqs, Uttar Pradesh Police, Lucknow @cyberpolice\_up

# **BEWARE OF DIGITAL ARREST SCAM**

#### डिजिटल अरेस्ट क्या है ?

- 🖲 अनजान नंबर से व्हाट्सएप पर वीडियो कॉल आती है।
- किसी में फंसने या परिजन के किसी मामले में पकड़े जाने की जानकारी दी जाती है।
- धमकी देकर वीडियो कॉल पर लगातार बने रहने के लिए मजबूर किया जाता है।



- स्कैमर्स मनी लॉन्ड्रिंग, ड्रग्स का धंधा या अन्य अवैध गतिविधियों का आरोप लगाते हैं।
- वीडियो कॉल करने वाले व्यक्ति का बैकग्राउंड पुलिस स्टेशन जैसा नजर आता है।
- केस को बंद करने और गिरफ्तारी से बचने के लिए मोटी स्कम की मांग की जाती है.



@cyberpolice\_up

खाते से चोसाधडी से पैसा निकलने की दशा में तुरत **1930** पर काल करें। किसी भी अनजान व्यक्ति से अपना खाता संख्या, पिन, ओटीपी, सीवीवी नम्बर इत्यदि ना साइय करें।

Cyber Crime HQS, Uttar Pradesh Police, Lacknow

https://cybercrime.gov.in



# Advantages and Disadvantages of Social Networking

#### **Advantages:**

- Connects people globally.
- Facilitates professional networking.
- Enables real-time information sharing.
- Supports learning and information exchange
- Raises Awareness

#### **Disadvantages:**

- Privacy concerns.
- Risk of cyberbullying.
- Can promote misinformation.
- Potential for addiction and reduced face-to-face interactions.
- Losing Focus





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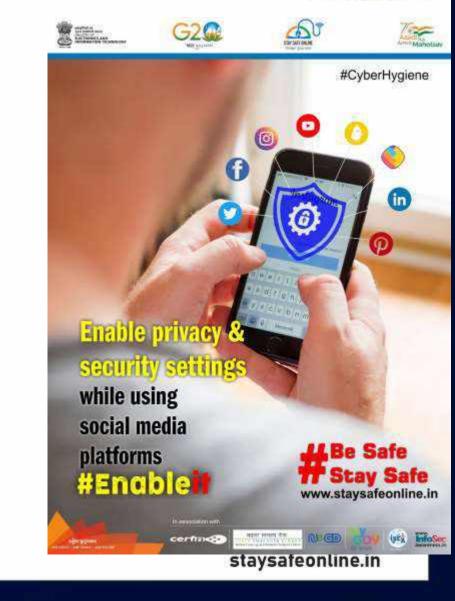


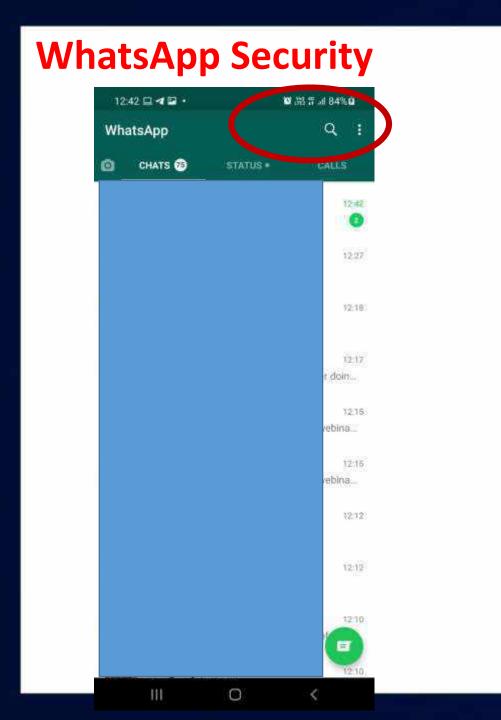


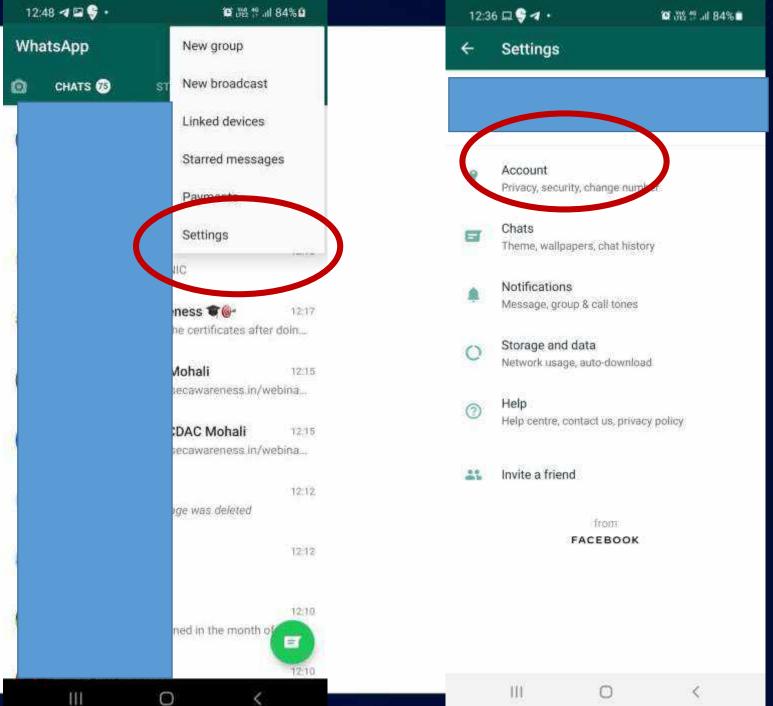


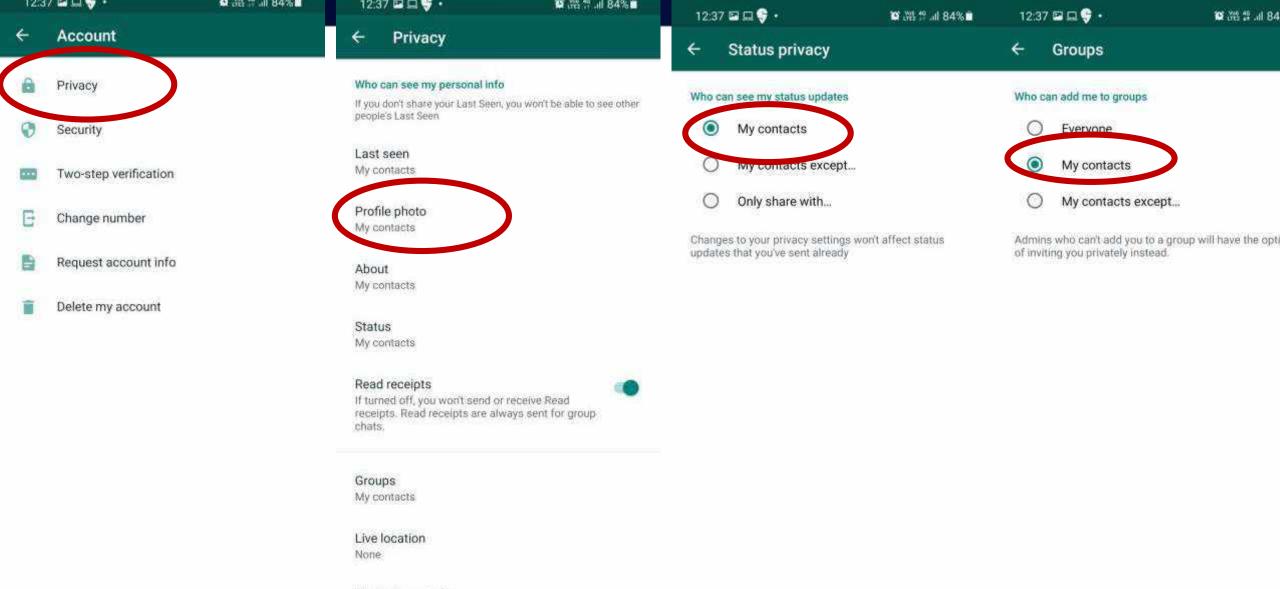
### WhatsApp Security

- WhatsApp is the favorite medium for hackers.
- Malware scripts embedded in photos & videos received on WhatsApp can access your media gallery, contacts, etc. and transmit them to remote servers.
- There is a simple way to protect oneself from such an attack.









DONE

0

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111

Blocked contacts

Fingerprint lock

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### Setting password

1000 **Privacy and** Security are not luxury but ഉള്ള Necessity in Social Media Platforms HBe Safe annan Manata 🐐 🛞 Electro -----

#### 12:37 🖬 🗖 😲 🔹 10 Hit 12 Jil 84% 4 4 Account 8 Privacy Security Two-step verification Change number e Request account info Ê 1 Delete my account Blocked contacts None

10

0

#### Privacy

Profile photo My contacts

About My contacts

Status My contacts

Read receipts If turned off, you won't send or receive Read receipts. Read receipts are always sent for group chats.

Groups My contacts

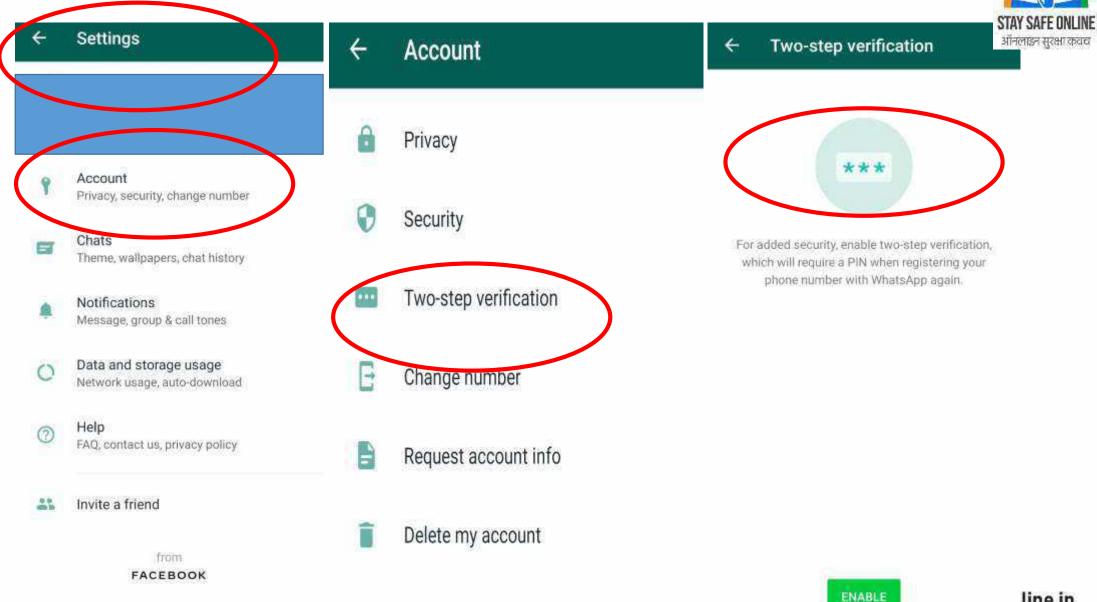
Live location None

Fingerprint lock Disabled

afeonline.in



#### Two Step Verification on WhatsApp should also be enabled



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#### ← Two-step verification

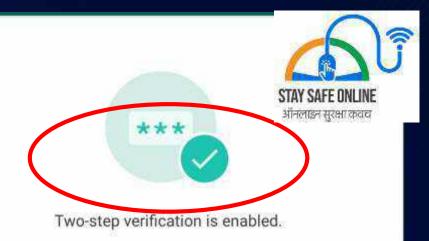
Enter a 6-digit PIN which you'll be asked for when you register your phone number with WhatsApp:



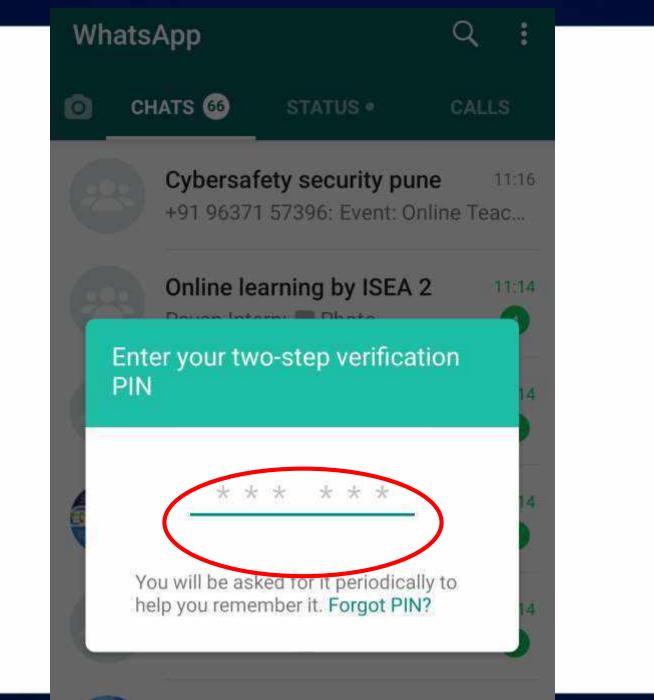
#### ← Two-step verification

Add an email address to your account which will be used to reset your PIN if you forget it and safeguard your account. Skip













#### Tips to ensure a safer online social experience

**Two-Factor Authentication (2FA):** Enable 2FA whenever possible to add an extra layer of security to your accounts.

Be Skeptical of Strangers: Exercise caution when interacting with strangers online.

- Not everyone may have good intentions,
- Avoid sharing personal information with people you don't know well.

**Think Before You Click:** Be cautious about clicking on links or downloading attachments, especially from unknown sources.

• Phishing attempts or contain malware.



**Regularly Update Software:** Keep your computer, smartphone, and apps up to date with the latest security patches. Regular updates help protect against potential vulnerabilities.

**Monitor Your Online Presence**: Periodically review your online presence. Conduct a search on yourself to see what information is publicly available and make adjustments as needed.

**Report and Block**: If you encounter suspicious or harmful behavior online, report it to the platform administrators.

**Educate Yourself:** Stay informed about online safety practices and evolving threats.



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# Learning Jthrough Game





# Who is Secure??

#### Payal set her password as: Daz^2l!n9Dan@p^R

Mihir set his password as: Cdacpatna@2023





# Who is Smart..?

**Babar Azam and Virat faces Financial Fraud** 

**Babar Azam:** Leave it yaar....report kiya to to media majak bana degi..log kya kahenge!!

> Virat: Let's immediately block the account and call 1930 in golden time







# Who is Smart..?

**Social Media Photos Sharing** 

Ameesha: Post every photos with all details and keeps the account and album public

> Sunny: Keeps and account private and post album with access rights





## Who is Smart..?

Nidhi and Ajeet are reporters who received a email from Harvard University with an offer to deliver a lecture on reporting and ethics

Nidhi: click on the registration link and share all the details..She is excited to go and post it on social media

> Ajeet: Verifies it by calling from official website and confirms before taking any action







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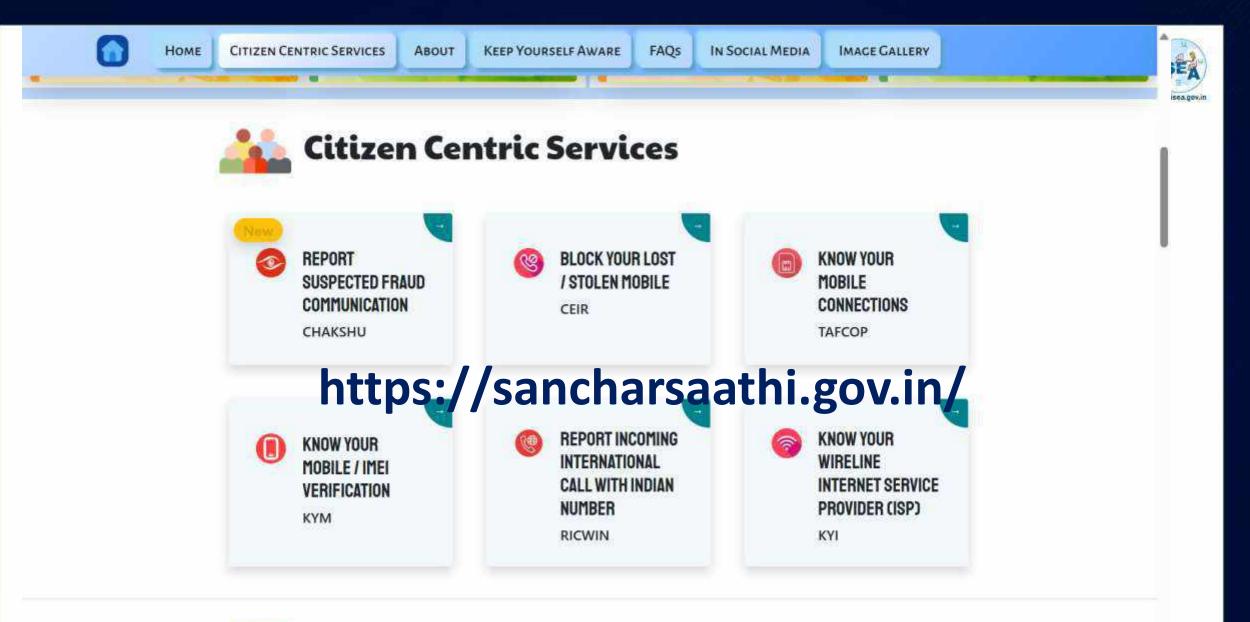








# Incident Reporting







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You can also file your complaint 🖄 online through www.cybercrime.gov.in

You can also file your complaint at the **nearest police** station

Call 20 1930 (Helpline number)

to register any complaint about cybercrime.



# staysafeonline.in



**ISEA Whatsapp Number for Incident Reporting** +91 9490771800



Join our WhatsApp and Telegram Channel at **ISEA - Digital Naagrik** 



/infosecawarenesss/

To Share Tips / Latest News, mail us to isea@cdac.in



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In





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