













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>)









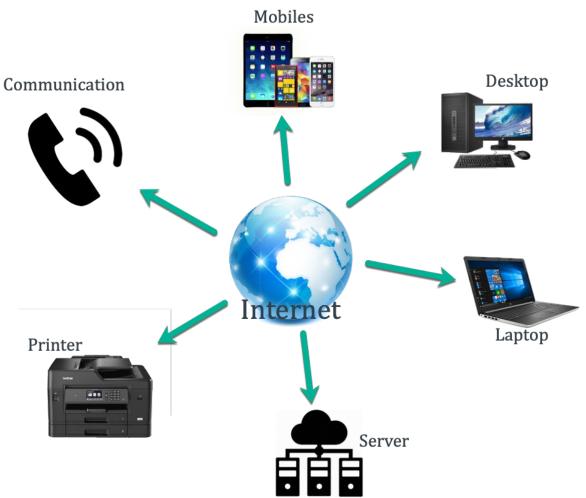






#### What is Internet

- Internet is basically network of networks that connects billions of devices worldwide
- It's kind of library, where you can find almost anything you're looking for















## 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

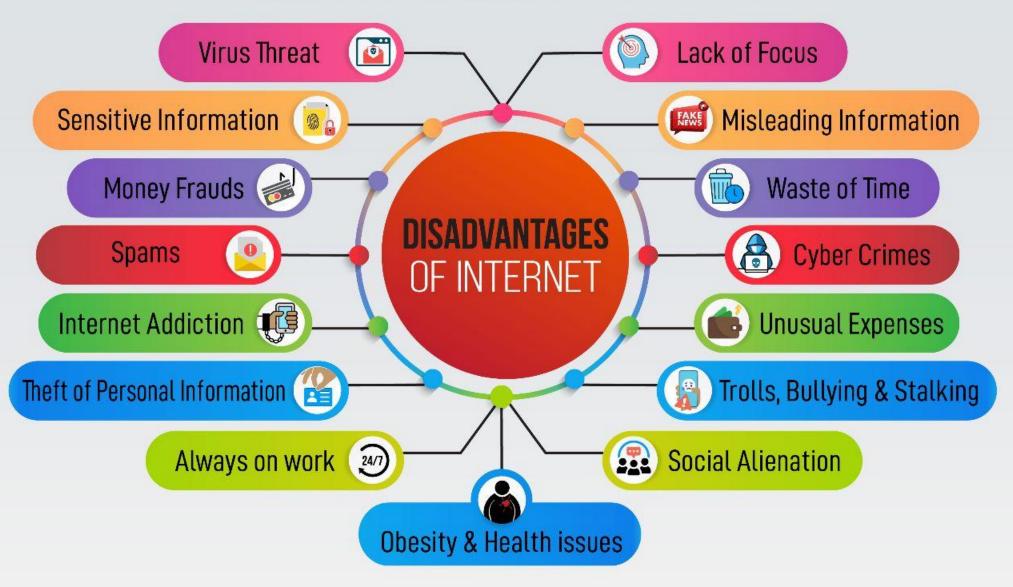


# Data Never Sleep



# **DISADVANTAGES** OF INTERNET

















# Common

# **Threats**

# Cyber













**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



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# **Examples of Phishing Websites**

- www.gmai1.com
- www.icici6ank.com
- www.bank0findia.com
- www.yah00.com













## **Phishing Videos**

www.youtube.com/embed/IwzUsN9u8xk?si=YBUUXtHov2WxEl3t

www.youtube.com/embed/j J4AL8 hHk?si=ERjVtgiE2o XLy2i

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



#### Security tips





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





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





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: <a href="https://bit.ly">https://bit.ly</a>

/2GWuz8T



Men's WATCHES



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## 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













#### **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.



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#### Financial Fraud

#### **INDICATORS**

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















# Fake App Video

Fake App: <a href="https://youtube.com/shorts/tAdI6gteHYI?si=8Rh1n8">https://youtube.com/shorts/tAdI6gteHYI?si=8Rh1n8</a> UXY3 71XK













# Warning signs of Online Loan Frauds



No verification of previous repayment history



Creation of sense of urgency and pressurizes into acting immediately



Hidden or undisclosed charges/ fee amounts.



No physical address disclosed by lender



Unsecured websites



















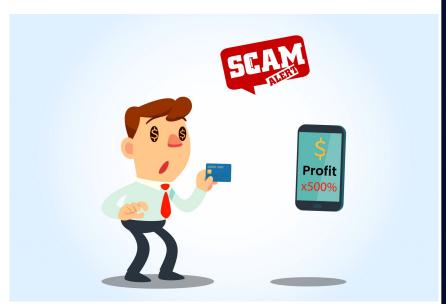




#### **Investment Frauds**

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

- 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 non-existent properties or promise unrealistic rental income.















#### **Investment Fraud Video**

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



# **Cyber Hygiene Practices**













#### **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.















# Benefits of cyber hygiene • Individual / organization minimizes the risk of practices

- 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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# Ten human negligence errors that can cause threat to any workplace:



























#### 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.i













# **Using multi-factor**

authentication counts – 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



Personal Information in password makes it a weak password



Regularly change and avoid repeating the password



Keep your passwords as secret even from your family members



Create personalized pass phrases as Password following password creation criteria

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#### **National Cyber Security**









SEE YOURSELF IN CYBER

#### Update your software

#### Five reasons to update software





2. Get new features



3. Protect data



4. Improve performance



5. Ensure compatibility



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

For more information visit: www.isea.gov.in and www.infosecawareness.in

































# **Ensuring privacy**

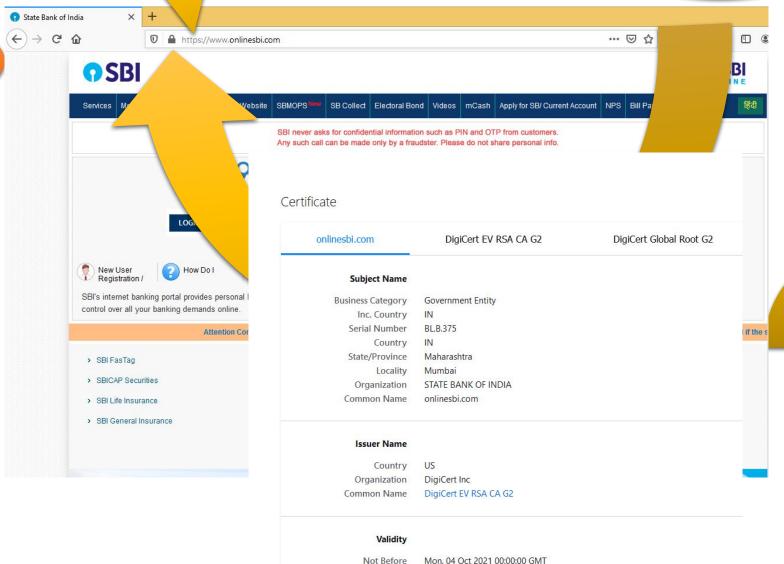
- •Don't post private information such as my home address, private pictures, phone number, o credit card numbers publicly on social media
- Avoid quizzes, games, or surveys on social media that ask for sensitive personal information
- Phone locked with a password or PIN
- •Take care not to disclose private 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 be Safe – Always look for

Padlock Symbol







Fri, 04 Nov 2022 23:59:59 GMT

Digital Certificate



# HOW TO DETERMINE









The address bar contains a vital information. Always check the url before browsing / buying / registering

Search Engine



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

HTTPS : GOOD

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.



http://www.gmailCOI

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 guestion the site's reliability

http://www.knowyourwebsite.com

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

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



awareness.in

1800 425 6235



cyberswachhtakendra.



























# UPI – Best Practices



















## **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













## 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** 



accessir

Security practices to protect Personal Identifiable Information (PII)



Create
hard-to-guess
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 - iL0v3Bl@Ckc0L0r



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



online banking services, always remember to "log off" from online session and not close the browser directly.

After



Avoid writing down passwords, memorize them and keep it strictly personal and confidential



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

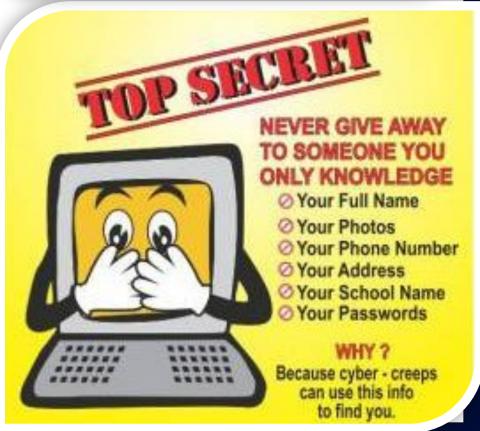
transactions over public Wi-Fi networks.

Personal Info: Be careful about sharing your full

name, address, phone number, or financial details

online.







# **Recent Cyber Incidents**













# Digital Arrest is Fraud

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

Curated By: <u>Satyaki Baidya</u> <u>Translation Desk</u> 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"

જ





The family was kept under continuous video and audio surveillance and their movements were severely restricted. (Representative/Shutterstock)

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.



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



# 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.



# 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 पृष्टि करें।
- सबूत सुरक्षित रखें



# Beware Digital Arrest

STOP

**Sharing your** personal informations.

THINK Why govt agency will threaten you on call.



Disconnect the call and report on 1930.

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

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

**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 रकम की मांग की जाती है.





खाते से धोखाधड़ी से पैसा निकलने की दशा में तुरंत 1930 पर काल करें।

किसी भी अनजान व्यक्ति से अपना खाता संख्या, पिन, ओटीपी, सीवीवी नम्बर इत्यादि ना साझा करें।





Advantages and Disadvantages of Social Networking

# Advantages:

www.isea.gov.in

- 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











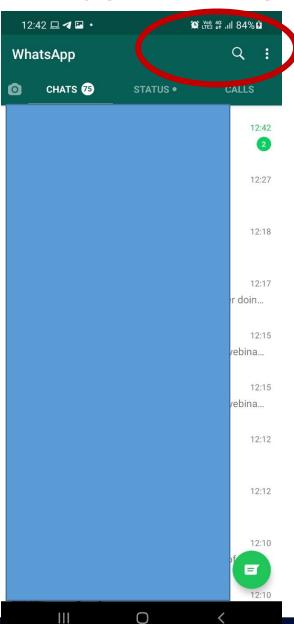


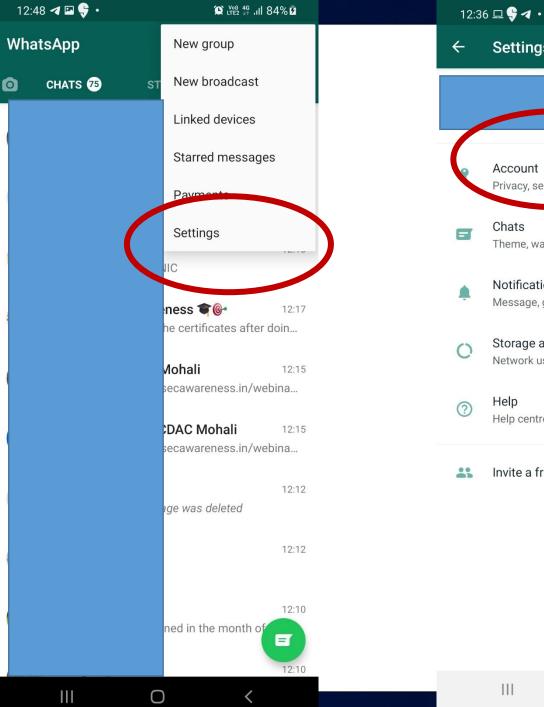
# WhatsApp Security

- 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.







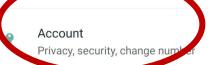






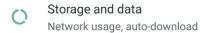
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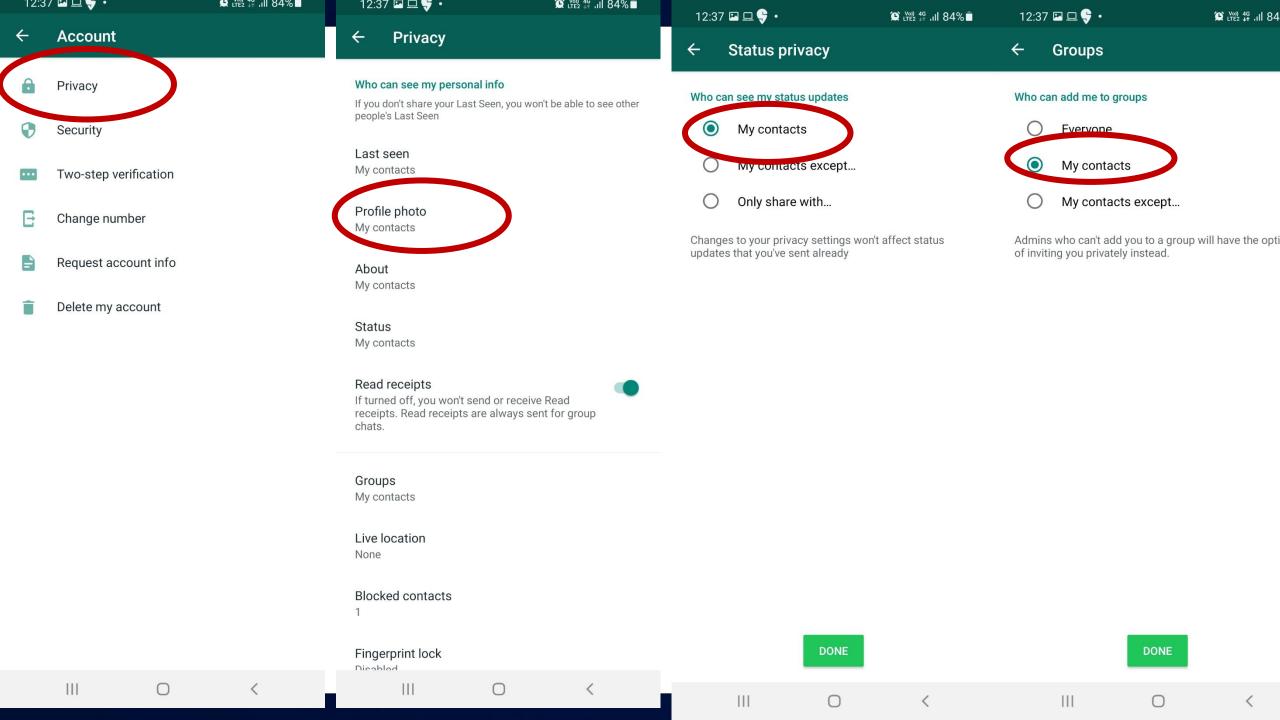


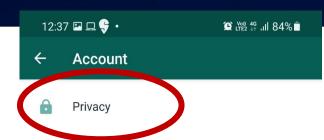
Help centre, contact us, privacy policy



from **FACEBOOK** 

0





Security

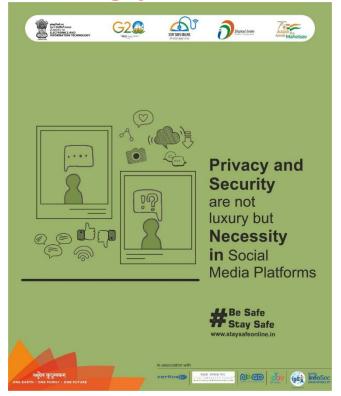
Two-step verification

Request account info

Delete my account

Change number

# **Setting password**





**Privacy** 

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.

My contacts

#### Live location

None

#### **Blocked contacts**

#### Fingerprint lock

Disabled

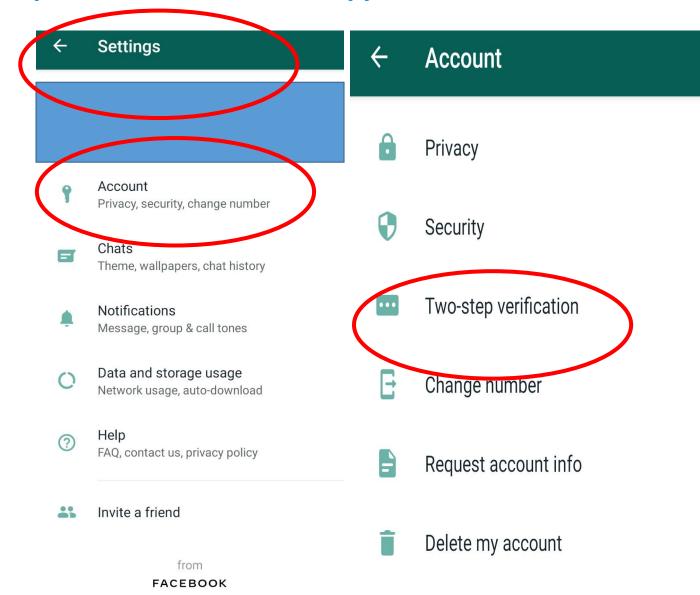


# Groups



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





 $\leftarrow \quad \text{Two-step verification}$ 



For added security, enable two-step verification, which will require a PIN when registering your phone number with WhatsApp again.

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





Two-step verification is enabled.

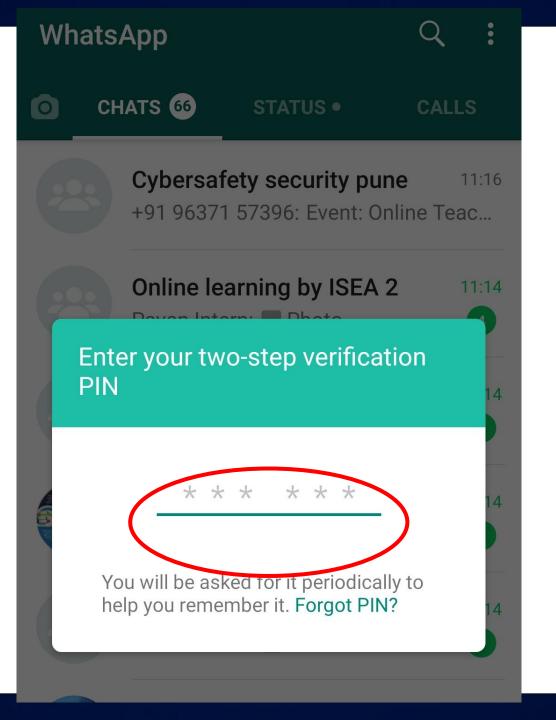




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NEXT

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# 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.



















# 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

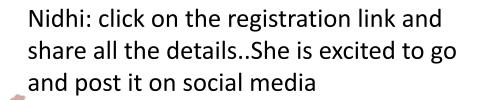


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# Who is Smart..?

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



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







Don't share your **mobile and confidential data** 



Strong **Password and Pin** 





Don't Click on Unknown Links



Two-factor **Authentication** 



Don't install malicious apps



















# Incident Reporting





# **Citizen Centric Services**



REPORT SUSPECTED FRAUD COMMUNICATION

**CHAKSHU** 



BLOCK YOUR LOST / STOLEN MOBILE

CEIR



KNOW YOUR MOBILE CONNECTIONS

**TAFCOP** 

# https://sancharsaathi.gov.in\_



KNOW YOUR MOBILE / IMEI VERIFICATION

**KYM** 



REPORT INCOMING International Call with Indian Number

**RICWIN** 



KNOW YOUR
WIRELINE
INTERNET SERVICE
PROVIDER (ISP)

KYI



**About Sanchar Saathi** 



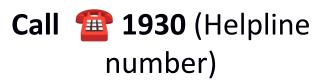




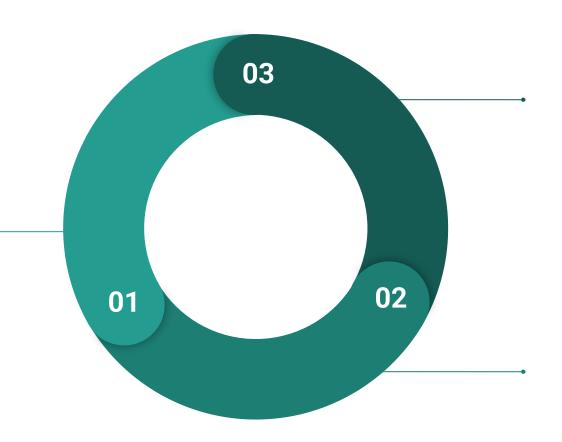








to register any complaint about cybercrime.



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

You can also file your complaint at the nearest police station





# staysafeonline.in



ISEA Whatsapp Number for Incident Reporting

+91 9490771800



Join our WhatsApp and Telegram Channel at

**ISEA - Digital Naagrik** 



To Share Tips / Latest News, mail us to

isea@cdac.in



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