



Recent Cybercrime Trends in Financial Frauds

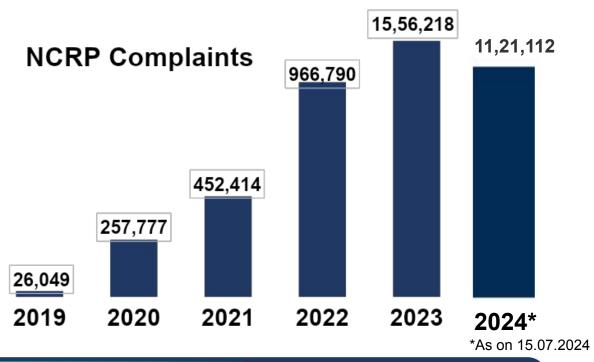
Indian Cyber Crime Coordination Centre

12th August 2024

Cybercrime Trends

Growth of 113.7% from 2021 to 2022

Growth of 60.9% from 2022 to 2023



850034 825619

24415

Online Financial Frauds (6 Months)

Total Amount Reported
11,269.83 Cr.

Total Complaints

Total Refund 1,197.02 Lac.

Total Lien Amount 1,361.28 Cr.

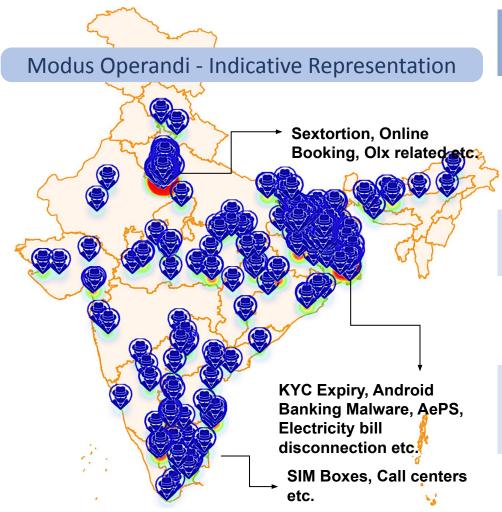
STATISTICS: MULE ACCOUNTS, CALLS AND SCALE

Cybercrimes & Online Financial Frauds in India

- 6000 complaints *reported* daily on National Cyber Crime Reporting Portal.
- Average 60 Crore reported loss by Indian Victims daily on CFCFRMS.
- 1930 Helpline receiving 60,000 calls daily.
- 3700 Fraud accounts reported per day.
- 35% of Reported Amount more than 50 lakhs.

Top Cybercrime *Modus Operandi*Reported in India - 2023

Nature and Extent of Cyber Enabled Financial Frauds - 2023



Local O	rigin C	% ontribution	International Origin	% Contribution
Customer Ca Number / Re based fraud / expiry - Rema Access	efund KYC	40%	Investment / Task Based scams & Digital Arrest/FeDEX Scam	40%
Sextortion		24%	Illegal Loan Apps – Unregulated lending	23%
AePS Frauds Biometrics C		8%	Illegal Gaming/ Trading Apps / Crypto Scams	21%
Online Booki Franchisee, 0 based etc.		20%	Romance Scams	10%
Android Mobi Malware	ile	8%	Ransomware, Hacking Others	6%

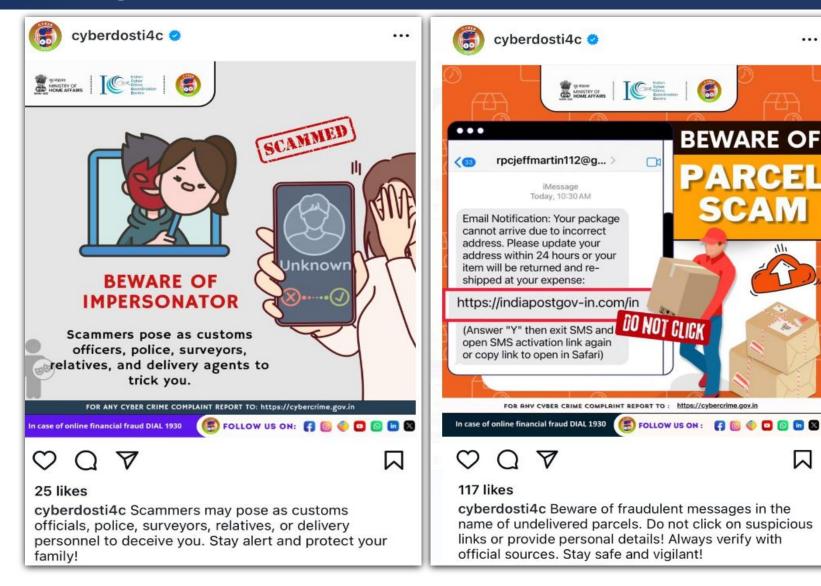
Source : NCRP Analysis

1. Digital Arrest Scam

Step 1:

Victim is contacted via **Normal call from Indian** number

- Call Spoofing used to call the Victims.
- Call from Parcel, CBI, **RBI, NIA, ED, Narcotics** Control, Bank.



BEWARE OF

Step 2: Thousand of Skype accounts – Impersonating Agencies



Vasant Kunj North Police Station





vasant Kunj North Police Station ⑤ live:.cid.395d4f5aa6cad13c











Gopal Behera_Piovan

S live:piovan.north
Delhi, India

Vasant Kunj North Police

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Terre Des Hommes Germany Ind

\$ tdhnro

New Delhi, India

Vasant kunj north police

S live:.cid.5ffae3b33f6515b7

Vasant Kunj North Police Station
§ live:.cid.bd1179ea41904820

VK Vasant Kunj North Police

§ live:.cid.90089ccc60d19dae

Vasant Kuni North Police

CBI (Central Bureau of Investigati § live:.cid.1f826e31803b8a15

Central Bureau Of Investigation-© live:.cid.174ff326c5f6f57f

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Central Bureau of Investigation
S live:.cid.7c830021c5c6982

central bureau of investigation
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CBI (Central Bureau of Investigati

Central Bureau Of Investigation© live:.cid.cc9862403a941a77

Central Bureau Investigation GO'

§ live:.cid.8ec9e9d2d3bf4679

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CENTRAL BUREAU OF INVESTIGA

© live:.cid.ba6c71e9b5a64bc8

CENTRAL BUREAU OF INVESTIGA

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Central Bureau Investigation

Mumbai Police © live:.cid.718c8662713f9796

Mumbai Police

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Mumbai Police

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mumbai police

S live: cid 5a0165c2eb9fbba4

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MUMBAI POLICE

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Mumbai Police

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MP MUMBAI POLICE

© live:.cid.408277f01e3b0101

Mumbai police Andheri East ⑤ live:.cid.163cd1e1d7d88197

Mumbai police Andheri East § live:.cid.13c7b9324c42c986

Andheri East police

§ live:.cid.cad39308b41f700f

East Andheri Mumbai Police

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Andheri East Mumbai Police

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Andheri East Mumbai police

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Andheri East Mumbai Police

§ live:.cid.ce4912695d436c83

Andheri East Mumbai Police

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Andheri East Police station

§ live:.cid.3fa8cf7ea976d175

Andheri East Mumbai Police Stat

§ live:.cid.1b370186c4a04e82

MUMBAI POLICE (EAST ANDHER

§ live:.cid.9206397708d54f3e

Andheri East Police

© live:.cid.bd32eb0f8f57fcf

Andheri East Mumbai police

§ live:.cid.4b7aa9c820ec487b

CYBER CRIME ANDHERI POLICE

I4C has
proactively
reported over
1500 Skype IDs
to Microsoft for
Blocking

Fake Police Officer posing as Delhi Police (Shared by returnee from Cambodia)







Channels of Money Exit

International Fund Transfers



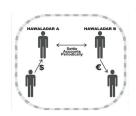
Physical Gold



Cryptocurrency



Hawala



Cash Withdrawal from Branches



ATM Withdrawals

Domestic and Overseas



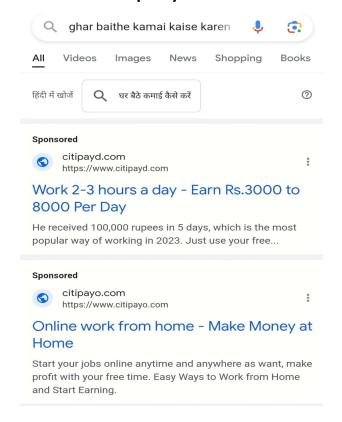
OPGSP



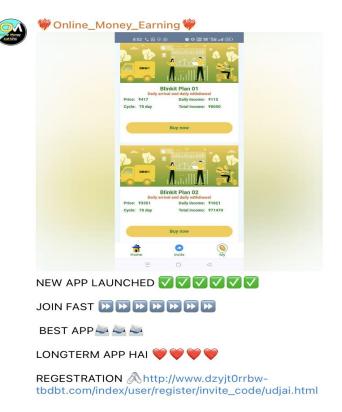
2. Investment apps / websites - Part Time Job Fraud, Ponzi scheme

Digital Advertisements

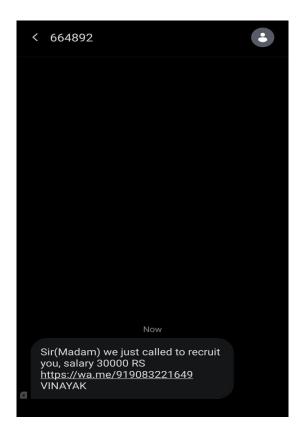
– majorly overseas



Channels of online messengers



3 Bulk SMS





Recharge & Task
with initial
withdrawal from
websites



Mule Accounts based
Payment-ins and
Payouts



Layering of crime proceeds in Bank
Mule Accounts



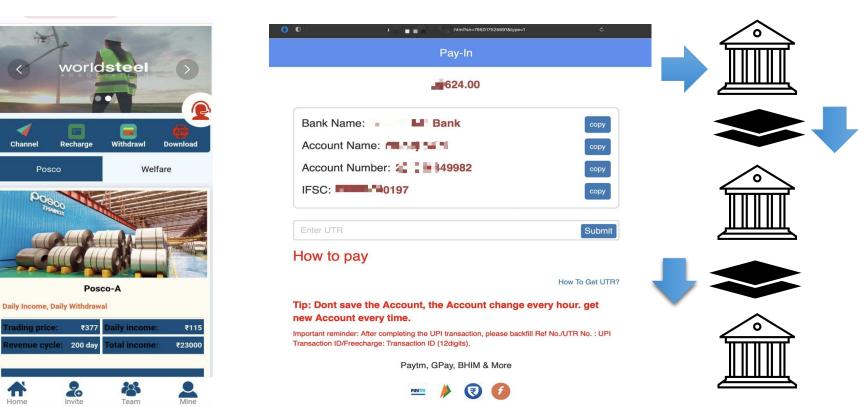
1 Crypto Assets (P2P)

2 Wallet Top-ups



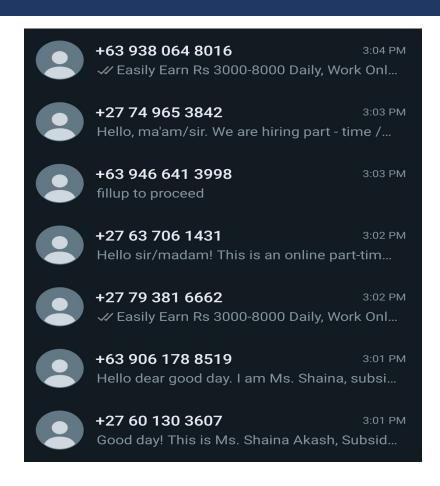
3 ATM & Cheque Withdrawals

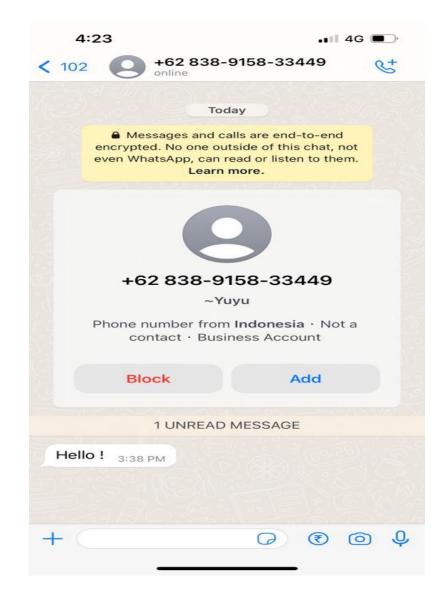




Cyber Slavery

Handholding of victims through chat messenger and international numbers –suspected cyber slavery



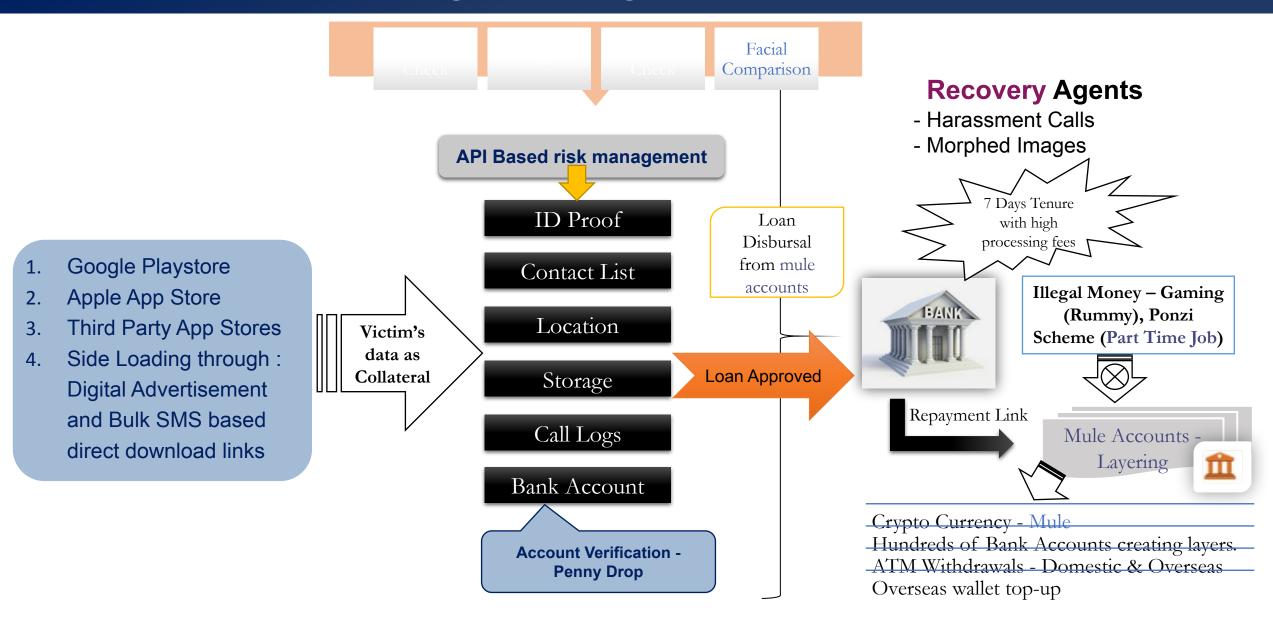






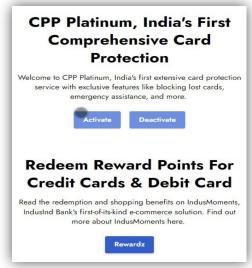


2. Illegal Lending Apps - Extortion



3. Customer Care Number & Android Malware - OTP forwarders

- Fake Customer Care Numbers in Search Engines
- Reply on Social Media comments
- Fake Customer Care Number on Social Media
- Hosting .apk file on Phishing Websites



Android malware installed to steal credentials

Permissions

 \triangle and roid. permission. SEND_SMS

 \triangle and roid. permission. RECEIVE_SMS

 \triangle android.permission.READ_SMS

 \triangle and roid. permission. INSTANT_APP_FOREGROUND_SERVICE

(i) android.permission.CHANGE NETWORK STATE

①android.permission.INTERNET

(i) android.permission.ACCESS_WIFI_STATE

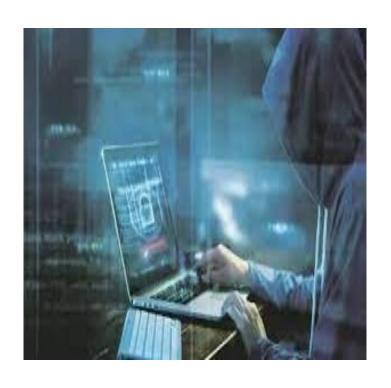
①android.permission.ACCESS_NETWORK_STATE

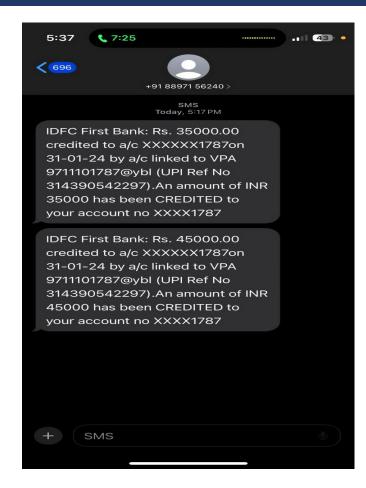
Reported over 300 banking malwares to Google

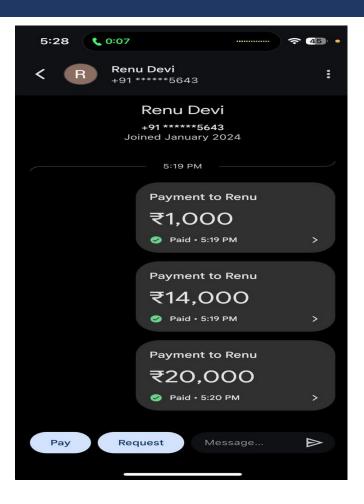
4. Account Takeover / Impersonation



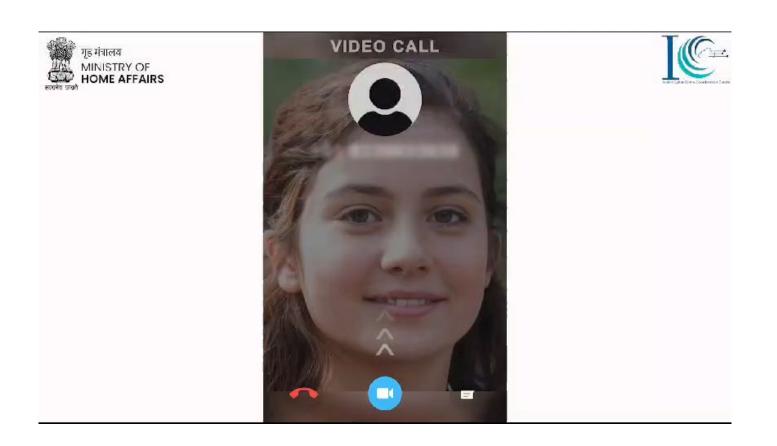
Account Takeover / Impersonation







5. Sextortion





5. AePS Frauds

AePS SERVICES













EC Search

CC Search

Prohibited Property search









More...

Registration of Hindu Marriage

Registration of Special Marriage

More...

Registration of Society

Market Value Certificate

Society Services

Firm Services



REGISTRATION & STAMPS DEPARTMENT

GOVERNMENT OF ANDHRA PRADESH

Public Online Services					
	Certifie	ed Cop	у		
District*	Select	~	SRO Location	Select	~
Reg_DoctNo *			Reg_Year		
559600					
Refresh Captcha	-				

Submit

This Site is best viewed in 1024*768 screen resolution



REGISTRATION & STAMPS DEPARTMENT

GOVERNMENT OF ANDHRA PRADESH

Public Online Services

Certified Copy

District*	Prakasam 🗸	SRO Location	ADDANKI 🗸
Reg_DoctNo *	4115	Reg_Year	2021
559600	559600		

Refresh Captcha

Submit

This Site is best viewed in 1024*768 screen resolution



Negative print from Photoshop



Negative placed on a plane glass



Fingerprints Casting



Cloned Finger Prints

Now suspect has everything to do AePS Transactions:



















Performed Illegal Transactions



AePS Wallet



BANK ACCOUNT



BANK ACCOUNT



BANK ACCOUNT

Amount transferred to different accounts



Amounts withdrawn from ATMs

Char Dham Yatra

Kedar Nath Helicopter Booking

Uttarakhand Police

16th July 2023

देहरादुन

उत्तराखंड एसटीएफ व साइबर क्राइम पुलिस ने चारधाम हेली सेवा के टिकटों में ऑनलाइन ठगी के मास्टरमाइंड को बिहार से किया गिरफ्तार...

16/07/2023 / U S Kukreti

Spread the love











Post Views: 0

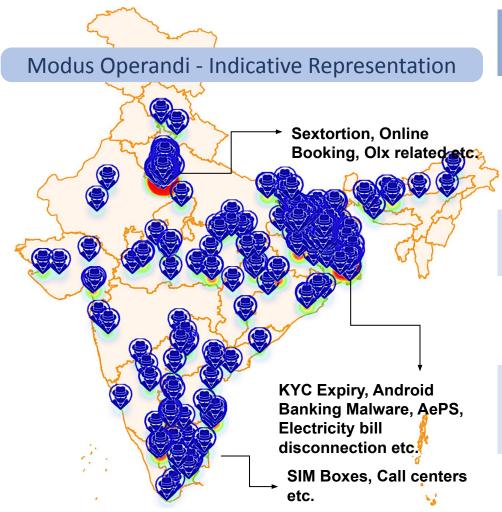
देहरादून : : US KUKRETI :एस0टी0एफ0 उत्तराखण्ड /साईबर क्राईम पुलिस स्टेशन देहरादून द्वारा गैर राज्य बिहार के नवादा जिले से चारधाम यात्रा हेतु हैली सेवा के नाम पर पूरे भारत में ठगी करने वाले गिरोह का मुख्य सरगना को POS ATM swipe मशीन के साथ काफी मेहनत और तकनीकी विश्लेषण से हेली सेवा फर्जीवाडे के मास्टरमाइंड को गिरफ्तार किया।

इस मामले में यह तीसरी गिरफ्तारी के साथ मास्टरमाइंड आया गिरफ्त में।

- *स्पेशल टास्क फोर्स ने चार धाम हेली सेवा से जुड़ी 41 फर्जी वेबसाइटों को भी ब्लॉक कर भारत में सेकड़ो लोगों को आस्था से जुड़ी साईबर ढगी होने से बचाया*
- *साईबर क्राईम पुलिस स्टेशन देहरादुन की डाटा विश्लेषण में सहायता भारत सरकार के गृह मंत्रालय के I4C ने करी*
- *आइए जानते हैं कि साइबर अपराधी साइबर अपराध के दौरान पीओएस मशीन का इस्तेमाल कैसे करते हैं*

वर्तमान समय में उत्तराखण्ड राज्य में चारधाम यात्रा प्रचलित है, जिस कारण विभिन्न राज्यों से श्रधालुओं द्वारा श्री केदानाथ धाम दर्शन हेतू हैलीकॉप्टर सेवा प्राप्त करने हेतु ऑनलाईन टिकट बुक करवाये जा रहे है। साईबर अपराधियों द्वारा भी साईबर अपराध करने हेतु समय के साथ-साथ धोखाधड़ी करने हेतु नये-

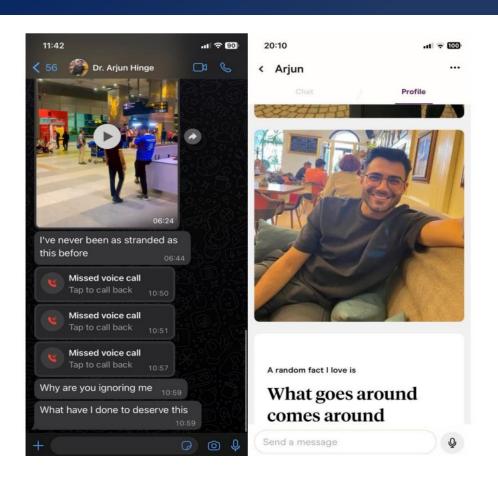
Nature and Extent of Cyber Enabled Financial Frauds - 2023

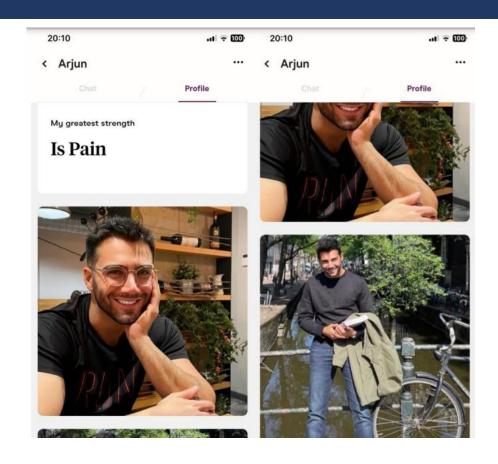


Local O	rigin C	% ontribution	International Origin	% Contribution
Customer Ca Number / Re based fraud / expiry - Rema Access	efund KYC	40%	Investment / Task Based scams & Digital Arrest/FeDEX Scam	40%
Sextortion		24%	Illegal Loan Apps – Unregulated lending	23%
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Online Booki Franchisee, 0 based etc.		20%	Romance Scams	10%
Android Mobi Malware	ile	8%	Ransomware, Hacking Others	6%

Source : NCRP Analysis

6.Romance Scams





CITIZEN INTERFACE

https://cybercrime.gov.in/



Onboarded Entities	No. of Entities			
Banks	257			
Wallet/PG/PA	24			
Merchant	29			
Insurance	2			
Total	312			

POLICE & BANK / FI / TELECOM INTERFACE https://www.cyberpolice.nic.in/



ON BOARDED (District & Police Stations)	Total
Total District	938
Total Police Station	12728
Total	13666

Features: Citizen Interface

भारत सरकार यह मंत्रालय GOVERNMENT OF INDIA MINISTRY OF HOME AFFAIRS https://www.cybercrime.gov.in/









cyber राष्ट्रीय साइबर अपराध रिपोर्टिंग पोर्टल Coordination Centre National Cyber Crime Reporting Portal





REGISTER A COMPLAINT +

TRACK YOUR COMPLAINT

SUSPECT DATA +

CYBER VOLUNTEERS +

LEARNING CORNER +

CONTACT US

Complaint Filing

Suspect Search & Report

Cyber Volunteer

Advisories

Daily Digest

Increasing use of NCRP

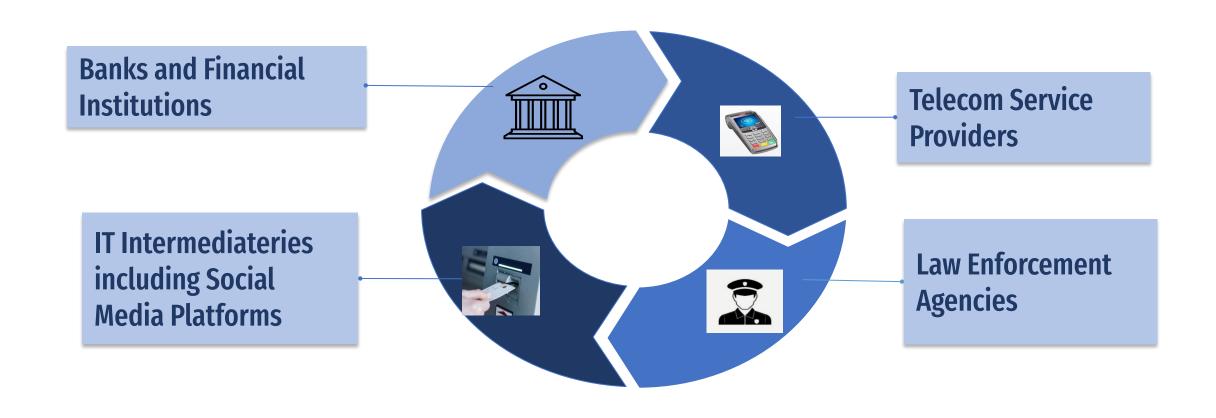
Year	cybercrime.gov.in	cyberpolice.nic.in	Total
2021	2,81,55,140	8,09,349	2,89,64,489
2022	3,94,60,172	14,56,401	4,09,16,573
2023	4,78,59,548	22,05,439	5,00,64,987

Features: Police / Bank / Telecom Interface

Blocking of Cyber Crime Suspect **Advisory Analytics Daily Digest CFCFRMS Mobile No and** Repository IMEI Report **Duplicate 1930 Daily NCMEC** Resources **Tagging Traffic Report** Cyber **CCTV Footage** Volunteer Request Intermediary **Nodal Officer**

https://www.cyberpolice.nic.in/

CFMC STRUCTURE- Major Components



Citizen Financial Cyber Fraud Reporting & Management System (CFCFRMS)

Govt. Banks





Private Banks





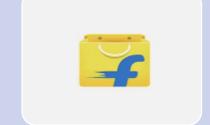
Payment Aggregators





E-Commerce Companies





Fintechs





FINTECHS ONBORDED ON NCRP PORTAL



















amazon pay

























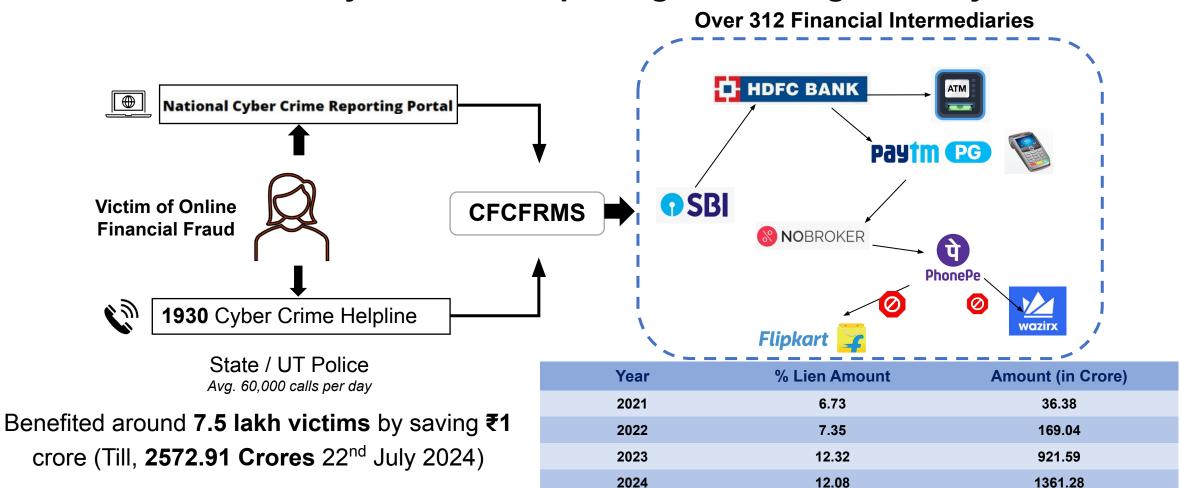






Working of CFCFRMS

Citizen Financial Cyber Fraud Reporting and Management System



COMPLAINT BY CITIZENS RECEIVED ON CFCFRMS

Debited Transaction Details

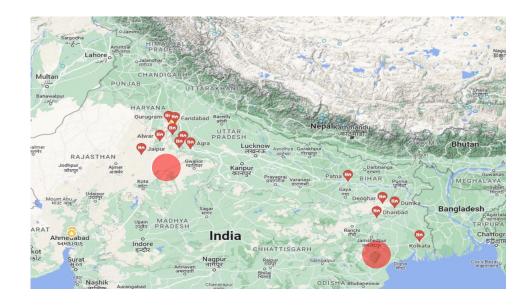
S No.	Account No./ Wallet ID	Transaction ID	Card Details	Transaction Amount	Reference No.	Transaction Date	Complaint Date	Bank/ (Wallet /PG/PA)/ Merchant / Insurance
1	-:1006204149	cbinh23320663027		41000		16/11/2023 AM/PM: AM	17/11/2023 15:02:PM	
2	-:1006204149	cbinh23320647420		41000		16/11/2023 AM/PM: AM	17/11/2023 15:02:PM	

MULE ACCOUNTS

Ac	Action Taken by Bank 10																														
S No.	TransactionId / UTR Number	Account No./ (Wallet /PG/PA) Id	Status by Bank / (Wallet /PG/PA) / Merchant / Insurance	Bank / (Wallet /PG/PA) / Merchant / Insurance	Account No	Transaction Id / UTR Number	Amount	Remarks	Date of Action	Action Taken By																					
1	cbinh23320662576	-:1006204149	Money Transfer to	Punjab National Bank		CBINH23320647420	Transaction		17/11/2023 15:10:PM																						
	cbinh23320647420	-:1006204149		(including Oriental Bank of Commerce	00014524		Amount-:41000			♣ VIVEK MORGAONKAR																					
,	cbinh23320663027	-:1006204149		and United Bank of	Reported 3 times		Disputed Amount: 41000			■ vmorgaonkar77@gmail.com																					
	Layer: 1		India)						□ 9185917545 MANAGER																						
4	CBINH23320663027	0825101700014524	Money Transfer to	Canara Bank (including Syndicate Bank)		332015513134	Transaction	IMPS-OUT/332015513134/	17/11/2023	m Punjab National Bank (including Oriental																					
	CBINH23320662516	0825101700014524						1364		Amount-:40000 Disputed	CNRB0000033/110143741 364	16:26:PM	Bank of Commerce and United Bank of India)																		
	CBINH23320647420	0825101700014524						SX	200	22			200	25	20	×2	22	22	200		<i>**</i>	22	22	22		22	Reported 4 times		Amount: 40000		
	Layer: 2												S cybercrimecell@pnb.co.in ☐ 9953795523																		
8	Layer: 3	110143741364	Withdrawal through ATM Place of ATM :- VILLAGEJAMALGARHJAMALGARHHRIN ATM ID :-MCRM5600	Canara Bank (including Syndicate Bank)		J	Transaction Amount-:49500	CASH-MCRM5600-VILLAG EJAMALGARHJAMALGAR HHRIN-16/11/23	17/11/2023 16:53:PM																						
		W	ITHDRAWAL FROM A	TM AT JAM	ALGA	RH, MEWA	T																								

Intelligence - ATM Hotspots

- Cash Withdrawal from Overseas ATMs using Indian Debit Cards of rented Accounts (Dubai, Hong Kong, Bangkok, Russia, Kazakhstan)
- White Label ATMs Private ATM being mis-used in Hotspots Area.



S No.	ATM Location	Total Number of Transactions
1	Delhi	34,156
2	Alwar	28,629
3	Kolkata	28,124
4	Patna	25,230
5	Bharatpur	19,160
6	Mathura	11,403
7	Kaman	10,496
8	Jaipur	9702
9	Deoghar	9583
10	Nalanda	9486
11	Dhanbad	9000
12	Gurgaon	8659
13	Punahana	8447
14	Dumka	7634
15	Agra	5103
16	Faridabad	4694
17	Dubai	4599
18	Bardhaman	8611
19	Howrah	3267

Cyber Fraud Mitigation Centre (CFMC)

Vision

Aims to proactively counter and prevent cyber enabled frauds.

Mission

- To take immediate action on the complaints of financial cyber frauds reported by the citizens to prevent the flow of money from victim's account
- To share online fraud repository in real time.

Background

- CFCFRMS developed by I4C as part of NCRP by integrating LEAs, Major Banks and Financial Intermediaries.
- National Cybercrime Helpline Number 1930 for reporting.
- Cyber-enabled financial frauds a significant global issue.
- 11 lakhs of Cyber Financial Frauds were reported in 2023.
- In 2024, about 4.99 lakhs Cyber Financial Frauds have been reported upto April, 2024 and total 650.86 Crores have been saved.
- Cybercriminal gangs have been exploiting Banking, IT and Telecom system to commit offense.





