

Cyber Jagrookta Diwas

Emerging Frauds & Safe Practices in Banking



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Financial Technologies - FinTech

- FinTech Application of technology to improve financial services
 - money transfers, loans, raising money for businesses, or managing investments
- Given the rise in digital transactions and the subsequent rise in related cyber crimes



FinTech - Examples

- Mobile payment apps
- Peer to peer lending
 - P2P lending websites connect borrowers directly to investors
- Cryptocurrencies using Blockchain
 - virtual currency secured by cryptography with decentralized networks based on blockchain technology
- Crowdfunding
 - by start-up companies and by individuals in emergency
- InsuTech
 - priced more competitively, ultra-customized policies

FinTech - Evolution

- First Automatic Teller machine (ATMs) 1960s
- Nasdaq World's First Digital stock exchange 1971
- The rise of the Internet leads to Digital Banking Platforms 1996
- PayPal the first online Payment System 1998
- □ Bitcoin (Cryptocurrency) is introduced 2009
- Users could transfer money via mobile phones 2009
- Users could manage money and make transactions on their
 smartphones mobile wallets 2011
- All digital alternatives to traditional banking 2013
- Platforms that connect apps with users' bank accounts 2013
- Advances in AI & RPA enable greater efficiencies in banking Ongoing

Contemporary Banking

Mobile Banking

Internet Banking

Mobile Wallets

PoS

Point of Sale

USSD

*99#

Unstructured Supplementary Service Data



UPI

Unified Payments Interface

Credit Cards

ATM

Debit Card

AEPS

Aadhaar Enabled Payment System Bank Prepaid cards

Financial Cyber Crimes

Internet Banking Phishing, SIM Swap Keylogger Credential Stuffing

Mobile Banking Vishing Smishing

ATM

Card Skimming, Hidden Cameras, No cash fraud Mobile Wallets
Call merging fraud
KYC Frauds
QR-code Frauds

USSD

Support Team Fraud

AEPS

Fingerprint cloning fraud

Debit / Credit /
Bank Prepaid
Card
Dumpster
Diving Fraud,
Spear Phishing,
Identity Theft,
Electronic
Pickpocketing,

PoS

Card Skimming
Data breaches

UPI

Fake Mobile Apps, SIM Cloning, Unverified Links, Remote screen Monitoring, Impersonating Genuine Sellers

Modus Operandi of Cyber Frauds

- Digital Loan/Lending Apps
- Investment Apps
- Earning Websites/Apps
- Gaming Frauds

Digital Loan/Lending Apps

Lending/Loan apps promoted via social media platforms, websites, etc.



Easy registration just Aadhaar card, PAN card and contact details of two friends



Digital lenders provide easy loans with very less due diligence



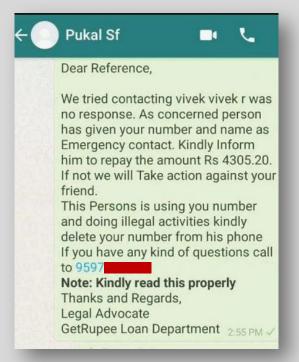


On late/no repayment -Threatening messages, shaming and blackmailing

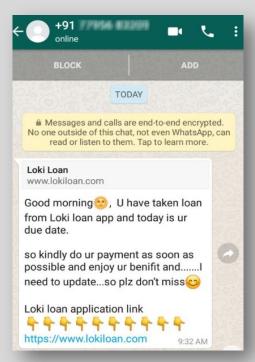


Very high interest rate is applied to the capitol loaned to citizens

Also known as Digital Loan Sharks







Investment Apps

Victims are approached via social media

Lucrative returns offered to earn money

Fraudulent investment app installed by victim

Victims invest money, good returns shown in their wallets Victims try to withdraw money from closed wallets Victims are blocked and money is defrauded





Earning Websites/Apps

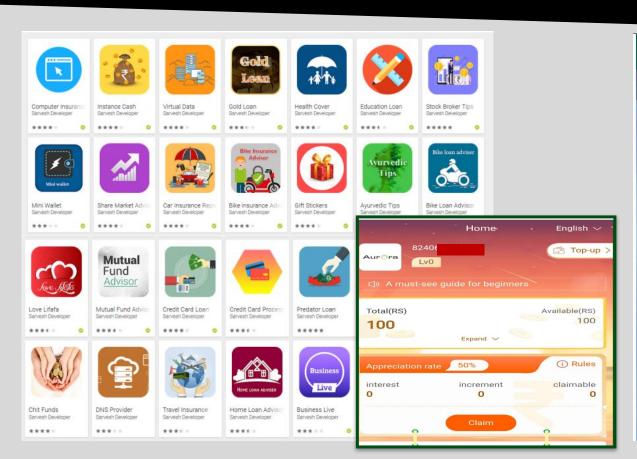
Victims are approached via Search Engine Ads or Social Media Platforms Ads

WhatsApp & Telegram communication is initiated. Display picture are typically females.

Referral Code and Website Link is shared through which victim opens account

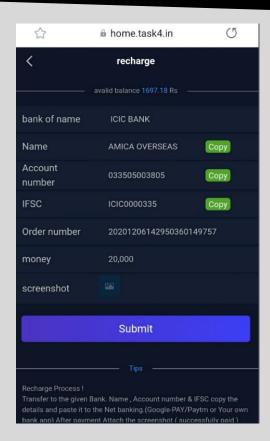
Username has to be confirmed to activate account. Then User is asked to load money inside the account.

Payment is done using Merchant Accounts (Nodal accounts/ escrow accounts are also used) and Direct UPI Transfer to accounts

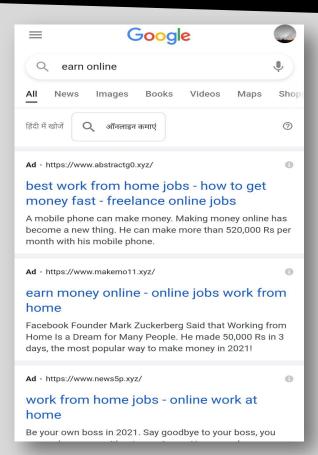


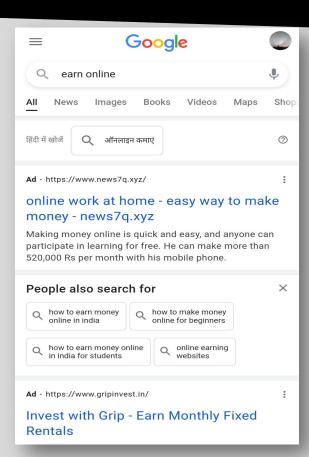












Gaming frauds

Addiction

Cyberbullying

Risk of losing money

Malware

Privacy problems

Hidden fees

Open Source Apps Repackaged

Directing gamers to third-party websites

Chargebacks and Returns

Targeting gamers' IP addresses (Mining, Backdoor, MITM)

Phishing

Fake mobile versions of popular online games

Targeting children

Red Flags

No information of Registration details Poorly created No complete work not found, website and App, the founder, details, Lots of bad reviews No official contact **Hundreds** of No Proper contact details, Complain online, online, details, **Follow Earning App** All certificates and No active social media handles and offer very lucrative proofs shown in app is fake, many more, plan.



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Financial Cyber Fraud Awareness

- Cybercrime Reporting NCRP https://cybercrime.gov.in/
- RBI Kehta Hai https://rbikehtahai.rbi.org.in/index.html
- Cashless India https://cashlessindia.gov.in/index.html
- Information Security Education and Awareness https://isea.gov.in/

Online Financial Frauds 🗆 1930 🗀 www.cybercrime.gov.in 🗆 File a grievance at Bank

Cyberdost

14C has launched its social media handle 'CyberDost' on various platforms for Cyber Jagrookta (Awareness) of citizens.







CyberDosti4c



CyberDosti4c



CyberDost



CyberDosti4c



CyberDosti4c



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Thank You