

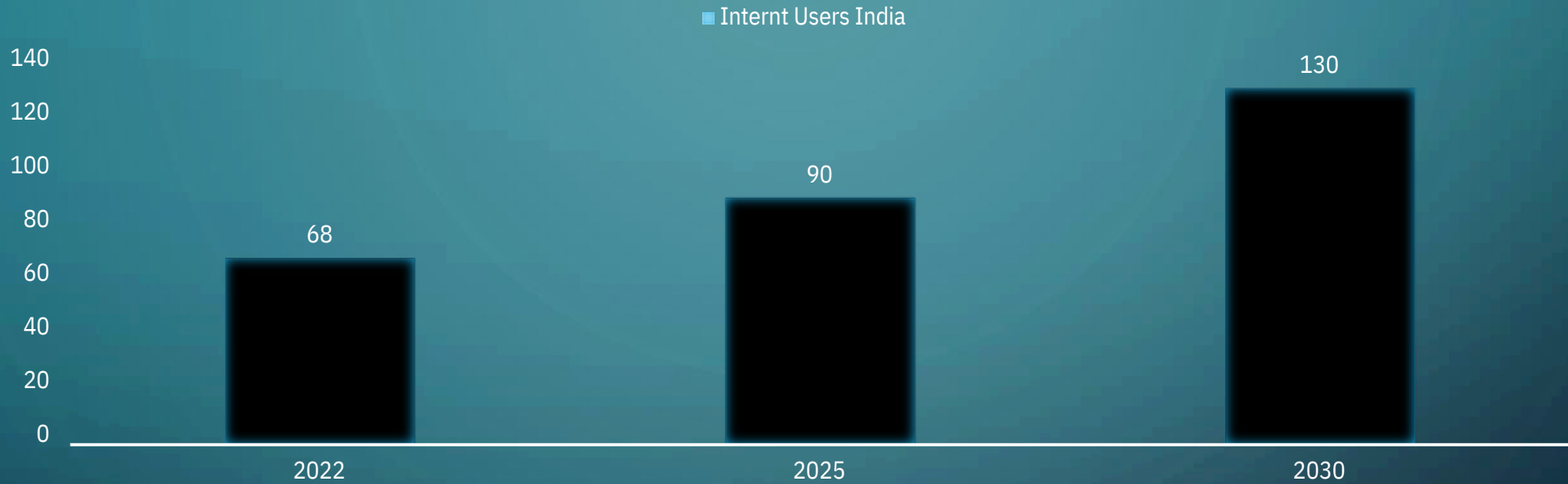
# CONTENT

- Why Cyber Security is Important ?
- Real Life Cyber Crime Incident & Prevention
- Doubt session



# WHY CYBER SECURITY ? : USERS

## INTERNET USERS INDIA (IN CRORE)



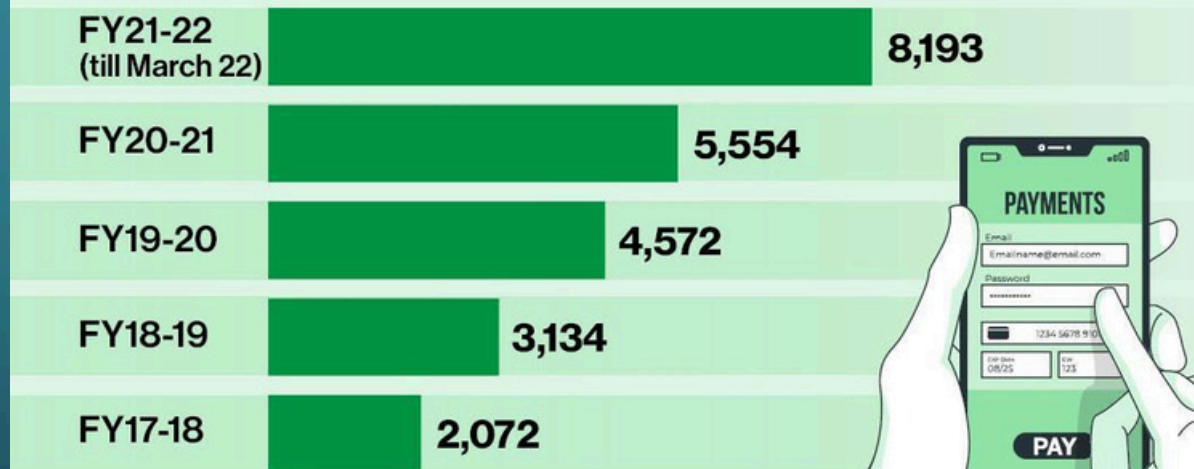
**Source~** Internet and Mobile Association of India (IAMAI)

# WHY CYBER SECURITY ? : EXPONENTIAL GROWTH DIGITAL PAYMENT

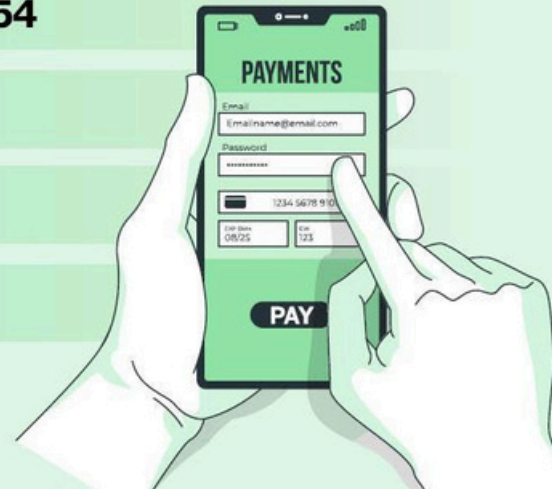
BusinessToday.In

## DIGITAL PAYMENT TRANSACTIONS BY VOLUME IN INDIA

(in crore)



Source: Reserve Bank of India (RBI), National Payments Corporation of India (NPCI) & Banks



# WHY CYBER SECURITY : RAPID DEVELOPMENT IN TECH

## Rapid Development in Information Technology

- Speed of **Microprocessor** chips doubles every 12-18 months
- **Storage** Density doubles every 12 months
- **Bandwidth** this doubling every 12 months
- Price keeps dropping making technology affordable & pervasive

# WHY CYBER SECURITY: 5G & IOT

- 5G Technology and Internet of Things (IOT)
- Ultra Low latency + Ultra High Bandwidth + Ultra High Network Reliability
- Soft Target IOT Devices

# FLOW OF SESSION

Real Life Incidents



Method



Impact



Prevention/Learning



# INCIDENT 1 : UPI AND DIGITAL PAYMENT

- Around **80,000**frauds worth Rs **200**crore are committed through **UPI**every **month**~ Source : CERT-IN (timesofindianews)
- UPI accounted for 50% of digital Payment fraud

# INCIDENT 1 : UPI/DIGITAL PAYMENT FRAUD :

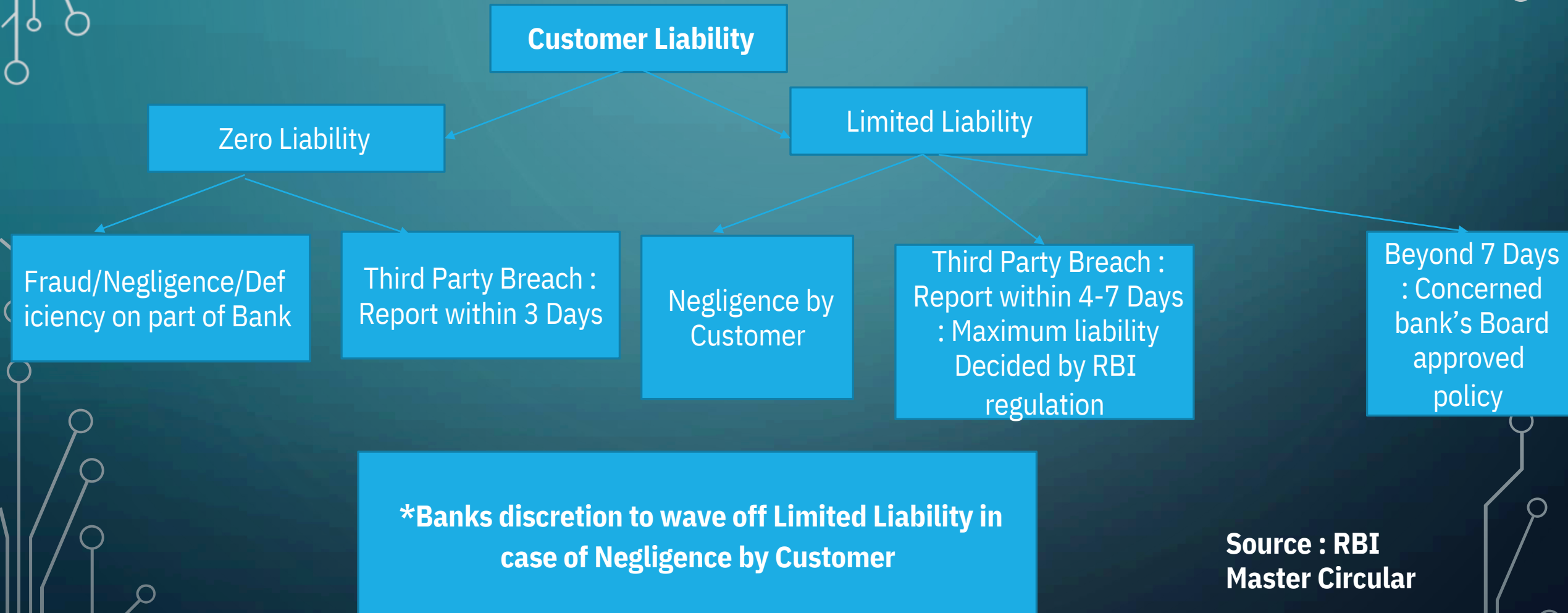
## REASON

- **Reason**

- Trapped in Social Engineering
- Installing Pirated Software Providing
- sensitive data to untrusted websites
- Same Password for every
- Website/Application Awareness vs
- Adaptability



# INCIDENT 1 : DIGITAL TRANSACTION -> PREVENTION



# MAXIMUM LIABILITY : [REPORT WITHIN 4 TO 7 DAYS]

**Table 1**

**Maximum Liability of a Customer under paragraph 7 (ii)**

Type of Account	Maximum liability (₹)
<ul style="list-style-type: none"><li>• BSBD Accounts</li></ul>	5,000
<ul style="list-style-type: none"><li>• All other SB accounts</li><li>• Pre-paid Payment Instruments and Gift Cards</li><li>• Current/ Cash Credit/ Overdraft Accounts of MSMEs</li><li>• Current Accounts/ Cash Credit/ Overdraft Accounts of Individuals with annual average balance (during 365 days preceding the incidence of fraud)/ limit up to Rs.25 lakh</li><li>• Credit cards with limit up to Rs.5 lakh</li></ul>	10,000
<ul style="list-style-type: none"><li>• All other Current/ Cash Credit/ Overdraft Accounts</li><li>• Credit cards with limit above Rs.5 lakh</li></ul>	25,000

# INCIDENT 2 : AADHAR BASED PAYMENT

## Hyderabad: Gang clones fingerprints to hack accounts through Aadhaar-based pay

MAHESH BUDDI / TNN / Updated: Jun 17, 2022, 08:42 IST



### ARTICLES



Hyderabad: Gang clones fingerprints to hack accounts...



Here's how Aparna's willingness to financially...

TOI

PIL filed in HC for CBI probe

TOI

Violence erupts as protesters stopped



Image used for representational purpose

- **Method:** Fingerprint Cloning
- **Impact:** 10,000 Aadhaar number and fingerprint compromised.
- **Prevention & Learning :**

# INCIDENT 2 : AADHAR BASED PAYMENT -> PREVENTION

- Use mAadharApp for Lock Biometric
- User Virtual Aadhar Card (Old One  
Deactivated after requesting for New  
Virtual Card)



## INCIDENT 3 : CISCO -> IMPACT

- 2.8 GB of Sensitive information extracted from CISCO internal Network
- Administrative Privileges Access on Multiple Machine

# INCIDENT 3 : CISCO -> PREVENTION/LEARNING

- Frequent Password Change
- Do not use personal email id for official purpose
- Enable 2 Factor Authentication
- **Kaspersky** has developed a free Yanluowangransomware decryptortool



# INCIDENT 4 : JEE 2021 EXAM



- **Method:** Alleged for Remote Access by tempering tampered with the iLeon software of TCS
- **Impact:** Around 800 Students were get admission through it.
- **Prevention & Learning :**
  - **Mandatory Regular Security Audit of Apps**
  - **Dynamic Approach for Cyber Crime Mitigation (Ex: Quantum Computer)**