

Introduction

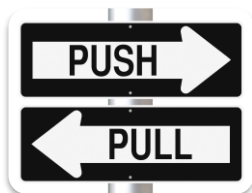
Unified Payments Interface



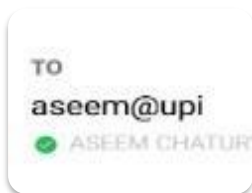
Unified Payments Interface (UPI)

Unified Payments Interface (UPI) is a system that powers multiple bank accounts/PPI account into a single mobile application (of any participating member), merging several banking features, seamless fund routing & merchant payments into one hood. It also caters to the “Peer to Peer” collect request which can be scheduled and paid as per requirement and convenience

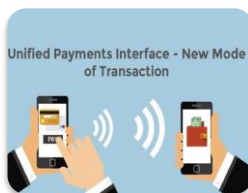
UPI Features



Push and Pull Payments



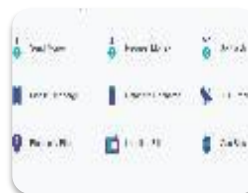
UPI ID
(‘Username@P
SPName’)
(No need to
share Bank
account details)



Transfer using
Single
identifier like
Virtual
Address or
UPI Number



Payment
Service
Provider will
provide App to
customers of
any bank



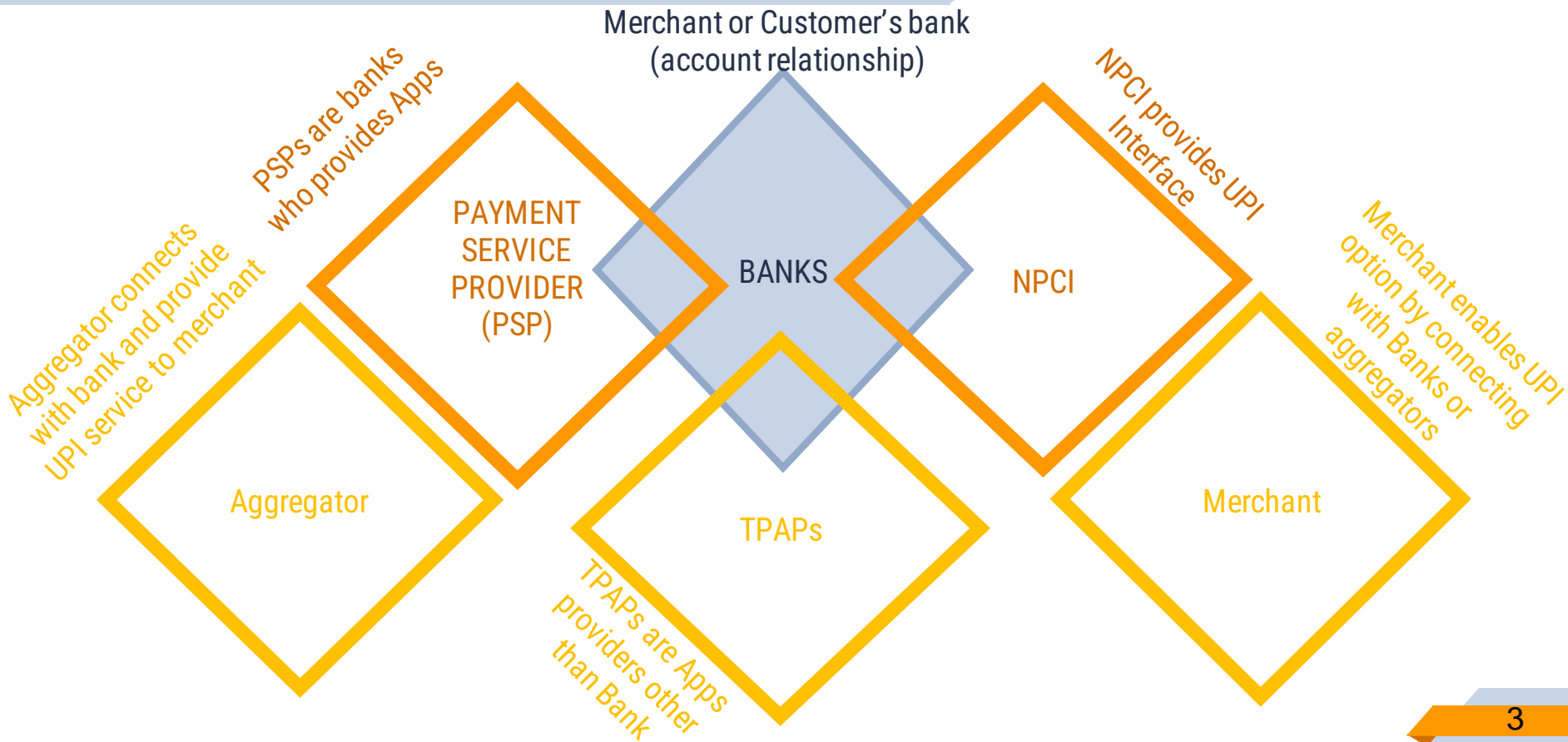
One App for all
transaction
needs



Single Click
2 Factor
Authentication



Participants





NPCI - transformed the payments landscape in India

1.8 mn average daily ATM transactions

37 member banks

No real time payments solution



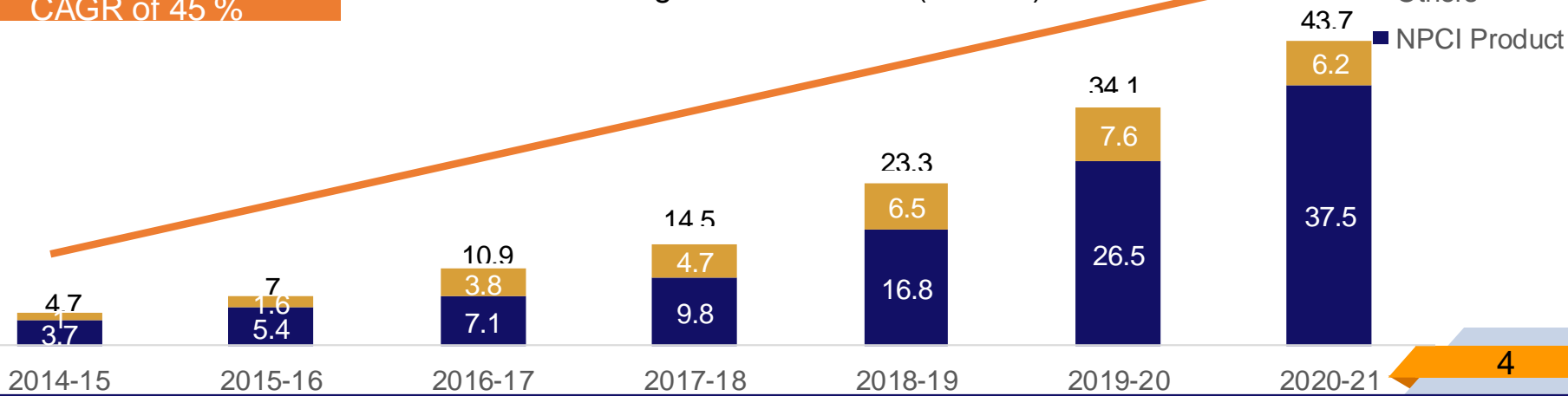
300mn average daily transactions

100+ member banks. 1000+ banks enabled

UPI, IMPS, NETC (Fastag), AePS

CAGR of 45 %

Volume of Digital Transactions (Billions)



UPI CORE

AWARENESS

TPAP/BANK APP

Registration

Transaction

Features

Dispute Resolution

UPI Safety & awareness campaign
 -Adoption(100 Mn)
 -Safety & Security(10%)
 Brand Awareness
 -10 % increase in base

One unique feature for new TPAPs
 Reduce concentration risk

Risk based authentication
 Alternative authentication
 Face Auth based Aadhaar onboarding
 - 1 Mn new users estimated

Secondary Market
 Foreign Inward remittance
 PPI for foreign nationals
 QR 2.0

UPI Lite-Offline & autopay
 Credit Card on UPI – II
 IoT based payments
 Voice based payments
 Merchant SDK
 Mapper
 -P2M enablement
 Autopay – BBPS, Online retail checkout

Merchant UDIR
 UDIR Support for all UPI features
 UDIR for Fraud & onus txn.

UPI Chalega Campaign
 - Appx 100 Mn new users
 UPI Safety Awareness
 - Safety parameters (~15% increase)

23 TPAPs Live
 TPAP market share ~97 %

Aadhaar OTP based UPI onboarding
 - 47K new UPI users
 - 4.8 Lakh new users

E -Rupi 2.0
 VMS
 UPI 123 Pay

Credit Card on UPI
 Autopay
 UPI Lite
 Mapper
 -322 Mn unique user
 -1.2 Mn txn/day
 -98% ecosystem enablement
 (Value & Volm)

UDIR
 - 96% issuers coverage

FY 2023-24

FY 2023-23



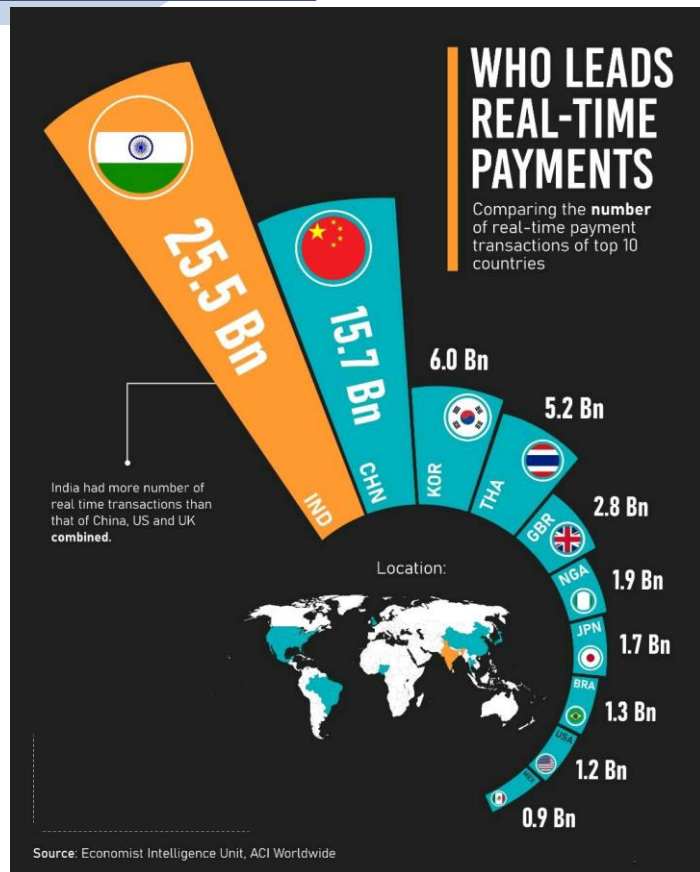
Revolution in Indian Payments Ecosystem

Not just Google, the world is watching India's UPI

Why did Google recommend India's Unified Payment Interface, (UPI) to the Federal Reserve System of the US?

India launches on-the-go contactless payments solution

India and Singapore to link their Fast Payment Systems





UPI Success & Growth

India's UPI And Digital Payments: A Quick Look At The Key Numbers

260 Mn+ digital payments are daily processed in India.

More than 500% rise in the number of merchants accepting digital payments*

UPI accounts for 68% of digital payment systems transactions.

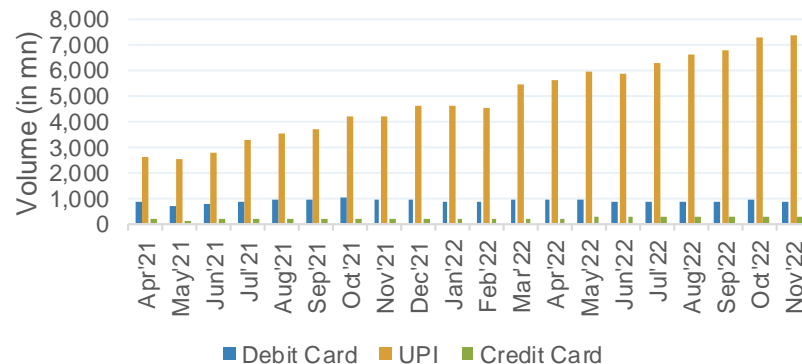
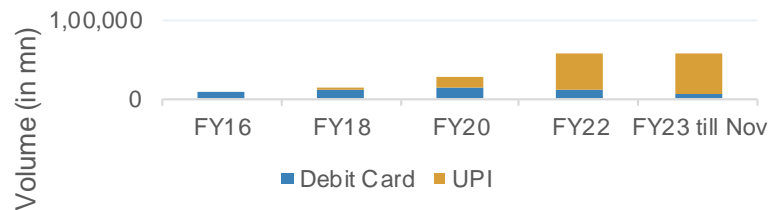
More than 260 Mn unique users and 50 Mn merchants have been onboarded on the UPI platform.

Rise in unique users of mobile and internet banking by 99% and 18%, respectively*

Usage of paper instruments in retail payments has declined from 3.83% to 0.88% in volume and from 19.62% to 11.47% in value.*

Note: *During April-September 2021 compared to October-March 2019
Source: RBI

Debit Card vs UPI - Volumetric Comparison



Source: RBI & NPCI



UPI 2.0 : New Functionality

One Time Mandate (with block)

Using Overdraft Account

Invoice In the Inbox

FIR / FOR

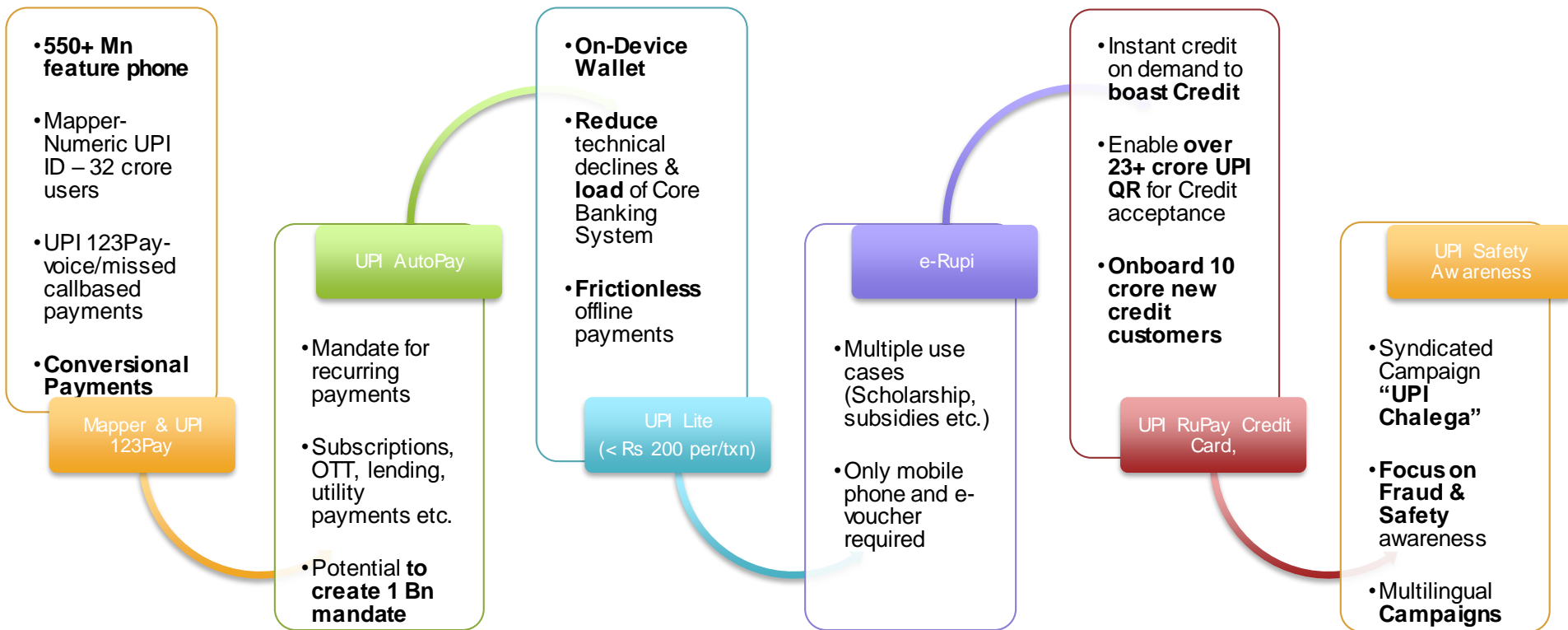
UPI: 2023-24

Upward & Beyond





Driving Financial Inclusion through Continuous Innovation





UPI Current Launches....(1)

UPI AutoPay

- User can make his recurring payments easy and instantaneous

UPI Number - Numeric ID Mapper

- Interoperability for mobile number based payments

UPI Feature Phone and Voice based Payments

- Voice based Payments through pre-defined IVR number

e-Rupi

- Single & Multiple time use with defined validity. Person & Purpose specific through Voucher Management System

Aadhaar Onboarding

- Onboarding using Aadhaar thereby increasing digital footprint

UPI Global - International Merchant acceptance

- Indian travelers can now Scan the International Merchants QR code and make a payment using any UPI Apps

UPI Lite

- Small Value Payments – reducing infra load, single click payment, improved success rate & cost reduction for banks



UPI Current Launches....(2)

RuPay Credit Card on UPI

- UPI transaction from RuPay Credit card Account (& not a card transaction)

UPI Plug In

- Plug-in UPI services to the Partners (Merchants/ App Providers)

UPI One World

- PPI on UPI experience crafted for inbound travelers

NRE / NRO accounts

- UPI with International Mobile no.

PayNow (Singapore)

Secondary Market

- Single Block Multiple Debit

UPI Success Rate

- Risk based Authentication; Alternate mechanism for device binding; Drive Intent



IOT and Payments

- The IoT is expected to generate [\\$13 trillion by 2025](#) worldwide

Some example of IOT based payments



Amazon Alexa

“Hey Alexa, order me a pizza”



Smart Fridge

“A smart fridge could identify when you need to buy milk, make the order, and have it delivered, all without you ever having to lift a finger”



Wearables

“UPI ON Wrist”



Connected cars

“In car payments”

UPI – 3 Year Roadmap

Launch:

- Alternate Device binding
- Risk Based Authentication
- Credit Card on UPI –II
- Foreign Inward Remittance
- Secondary Market
- PPI on UPI for Foreign Countries
- IoT based UPI Payments
- UPI QR 2.0
- Merchant UDIR
- UPI lite- Offline

Scale:

- Credit Card on UPI enablement
- UPI Lite enablement
- Voice based Payments & platform building
- Aadhar OTP
- Merchant Plug in

FY 23-24

Launch:

- Digital Lending
- P2P Lending through UPI
- Stack for Voice@Bhashini

Scale:

- Credit Card on UPI –II
- Merchant UDIR
- Foreign Inward Remittance through UPI
- Mandate with Multiple debit
- PPI on UPI for Foreign Countries
- IoT based UPI Payments

FY 24-25

Launch:

Scale:

- Offline Lite
- Digital Lending
- P2P Lending through UPI
- Stack for Voice@Bhashini

FY 25-26

UPI- 2023/24



Hygiene

AI-ML & Data Visibility

Compliance

UPI Safety Shield

Awareness

IPO

Secondary Market

Online Payments

UPI QR

E-RUPI / VMS

123Pay

Aadhar OTP

BNPL*

Validation Services

PPIs

UPI Lite (Offline)

UPI Global

Higher UPI Limits

Autopay

UPI Help

GST

Mapper

UPI Lite (Online)

Biometric / FaceAuth

Retention

Banks

(450+)

Aggregators/
Merchants
(~100%)

Credit

Prepaid

Bank/PPI Apps
?(75)

TPAPs
(30)

CASA

Government
(Dominant)

TSP/ Fintechs
(Dominant)

PhonePe

GPay

Paytm

Amazon Pay

BHIM

WhatsApp

Yono

Payzapp/iMobile

BoB World

Tata/Bajaj/Slice/Jupiter

Smartphone

Feature Phone



Modes

AI backed conversational payments

IOT / Connected Cars

Platform Integration

Launchpad



In A Nutshell



Aggregators

Banks

TPAPS

Merchants

THANK YOU