#### **DELIVERY CHANNEL IN RETAIL BANKING**

### **What are Delivery Channels?**

Delivery channels are the various methods banks use to offer products and services to customers, ensuring accessibility, convenience, and efficiency.

### **Types of Banking Delivery Channels**

Category	Delivery Channels	<b>Examples</b>
C Physical	Br <mark>an</mark> ch Banking,	<mark>SBI,</mark> HDFC,
		<mark>ICIC</mark> I Bank
Channels	Extension Counters	branches
	ATMs, 🔑 Internet	UPI, Net
	_	Banking,
Channels	Banking, Mobile Banking	Google Pay
\$	Business	
Intermediary	Correspondents (BCs),	BC agents in
Channels	Business Facilitators (BFs)	rural areas

### 1 Physical/Direct Banking Channels

### **Branch Banking: The Heart of Retail Banking**

**Bank branches** remain the **most trusted** mode of banking despite digital innovations. Customers still prefer **face-to-face** interactions for key transactions.

### **Why Are Branches Important?**

- ✓ Increases customer confidence → Physical presence makes banking feel secure & reliable
  ✓ Personalized banking services → Relationship managers offer tailored solutions
  ✓ Better dispute resolution → Instant help for fraud, complaints & loan queries
- Extension Counters: Mini-Branches for Customer Convenience
- ✓ Provide **basic banking services** (cash deposits, withdrawals, passbook printing)
- ✓ Located in **high-demand areas** (universities, railway stations, large offices)

### **2** Remote Banking Channels

- ATMs: Anytime, Anywhere Banking 🖺 💷
- √ Cash withdrawal & deposits
- ✓ Balance inquiries & mini statements
- √ Bill payments & fund transfers
- Internet Banking: The Digital Transformation
  Internet Banking: The Digital Transformation
- ✓ Fund transfers (NEFT, RTGS, IMPS, UPI)
- √ Loan applications & EMI payments
- ✓ Bill payments & investment services

Mobile Banking: Banking at Your Fingertips

- ✓ UPI payments, instant fund transfers
- √ Mobile deposits, bill payments, & investment tracking
- √ Loan & credit card management
- Business Correspondents (BCs) & Business Facilitators (BFs)
- P Business Correspondents (BCs): Bringing Banks to Remote

  Areas
- ✓ Acts as an agent of the bank to provide banking services in rural areas
- ✓ Assists in account opening & transactions (deposits, withdrawals, remittances)
- ✓ Enhances financial inclusion & digital adoption

- **Why BCs are Game-Changers?**
- ✓ ▲ Last-mile banking access

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- **√ (§)** Cost-effective expansion strategy for banks
- ✓ Market Value Value
- **Business Facilitators (BFs):** Creating Banking Awareness
- √ Help people understand banking services & products
- ✓ Guide customers in **documentation**, **loan applications & financial literacy**
- ✓ Cannot conduct transactions but assist in bank processes

**Summary Table:** Banking Delivery Channels

		<b>Features</b>	<b>✓</b> Benefits	<b>\$\hat{\sigma}</b> Example
Channel				
Branch	Banking	In-person	Personalized	ICICI Wealth

<b>Delivery</b>	<b>₩</b> Features	✓ Renefits	<b>\$\sigma\$</b> Example	
Channel	7 reatures	Deficits	Liample	
	banking	service,		
• • • • • • • • • • • • • • • • • • •	services,	trust, &	Management	
	customer	brand	Centers	
	interactions	loyalty		
	Mini-branches	Increases	SBI campus	
Extension	at strategic	accessibility	banking	
Counters :	locations	&	counters	
	locations	convenien <mark>ce</mark>	Counters	
	24/7 cash	Reduces		
	deposits,		HDFC Cash	
ATMs 🖺	withdrawals,	visits,	Deposit	
	mini statements	improves	ATMs	
	mm statements	efficiency		
	Online fund	7	HDFC	
Internet	transfers, loan	banking with	NetBanking	
Banking 💻	applications		Loan	
	аррпсасіонз	time	Disbursal	
Mobile Banking	UPI, bill	Contactless,	Google Pay,	
	payments,	secure &	PhonePe,	

Delivery Channel	<b>☆</b> Feat	ures	<b>✓</b> Benefits	
	instant	fund	instant	Paytm
	transfers	5	transactions	i aytiii
Business	Doorstep		Increases	BOB's BCs in
Correspondents	banking in		financial	rural India
(BCs) 🚭 🗀	remote areas		inclusion	rurai india
Business Facilitators	E <mark>ducates</mark> on	banking	financial	Axis Bank's  BF initiatives
(BFs) 🕰	services		literacy	

### **Key Takeaways**

- ✓ Multiple banking channels ensure seamless service delivery
- Customers prefer a mix of traditional (branches) & modern (digital banking)
- BCs & BFs drive financial inclusion in unbanked areas
- **☑** Banks must innovate & digitize to stay competitive

Automated Teller Machines (ATMs): Anytime, Anywhere Banking. An ATM is a self-service electronic banking device that allows customers to conduct financial transactions without human assistance.

#### Why Banks Set Up ATMs?

- ✓ **Z24/7 Convenience** Withdraw cash anytime
- ✓ **©** Reduces Teller Workload Reduces branch crowding
- ✓ ⑤ Cost-Effective ATM transactions are cheaper than counter transactions
- ✓ **Expands Banking Reach** Serves customers beyond branch networks

### **Types of ATMs for Retail Customers**

Type	<b>?</b> Location	<b>♦</b> Features	
On-Site		Cash withdra	wals,
	Inside branch premises	deposits, fund trans	sfers,
ATM		balance inquiry	

Type	<b>♀</b> Location	<b>♦</b> Features
	Away from bank branches	Located in malls, railway stations, airports for convenience
		Allows transactions for multiple banks
Brown Label ATM	Owned by banks but managed by third- party service providers	Bank branding, cost-

### **ATM Transaction Charges (**As per RBI Guidelines)

	\$	<b>S</b> Free	<b>S</b> Charges
Transaction		•	(Beyond Free
Туре	Location	Transactions	Limits)
Same Bank	Any	5 Free	₹21 per
ATM	Location	Transactions	transaction
Other Bank	Metro	3 Free	₹21 per
ATM	Cities	Transactions	transaction
Other Bank	Non-Metro	5 Free	₹21 per

	⟨A	<b>S</b> Free	<b>⑤</b>	Charges
Transaction	Location	•	(Beyond	Free
Туре	Location	Transactions	Limits)	
ATM	Cities	Transactions	transactio	n

Example: A PNB savings account holder gets 3 free transactions per month at HDFC ATMs in Delhi, but pays ₹21 for additional withdrawals.



- ✓ Owned & operated by non-bank entities
- ✓ Open to customers of all banks
- ✓ RBI authorizes companies under the Companies Act, 1956 to run WLAs
- **White Label ATM Operators (WLAO)** in India:
- √ Tata Communications Indicash

- ✓ Muthoot Finance Muthoot ATMs
- √ Vakrangee Ltd Vakrangee ATMs
- **⚠** Common ATM Issues & Risk Management
- **⚠** Frequent ATM Breakdowns
- **%** Causes
- ✓ Power/network failure �� 🖧
- ✓ Cash handler faults 🕰
- √ Machine breakdowns 

  ≪
- Bank Measures
- ✓ Periodic maintenance visits by ATM channel managers
- √ Real-time monitoring of ATM uptime
- ✓ Root Cause Analysis (RCA) for repeated failures
- X Discrepancies in Cash Dispensation

- ✓ Less than 0.15% of total complaints relate to short/nondispensed cash
- ✓ Resolution within 7 days (Regulatory Mandate)
- √ Banks must pay ₹100/day as compensation for delayed reversals beyond T+5 days

- **Cash-Out Issues (ATMs Running Out of Cash)**
- ✓ Proactive monitoring ensures ATMs are optimally loaded
- ✓ Forecasting demand based on transaction trends
- ✓ Priority cash refills during peak hours Ø
- **Example:** RBI **fined major banks in 2021** for frequent **cash-outs** in ATMs!

**Quality of Notes in ATMs** 

- √ ATMs are loaded with fresh or ATM-fit notes
- √ Hi-tech note sorting machines ensure clean & usable currency
- ✓ Regular training for agency custodians

### **Security Measures for ATMs**

- ✓ 🛣 Caretakers at off-site ATMs to discourage tampering
- ✓ Earlier Police beats at sensitive locations
- ✓ Security Screen on ATM → Customer must confirm digits entered
- **✓** ★ Auto Logout for invalid PIN attempts
- **©** Key Takeaways
- ATMs offer customers convenience, security, and financial independence
- White Label ATMs (WLAs) increase access to banking in rural
- Banks must monitor ATM performance & ensure security

Regulatory compliance ensures free transactions & fraud prevention

The future of banking is self-service!" 🔊 🖏

☐ ☐ ☐ ☐ ☐

### **Customer Awareness & Education Measures**

- ✓ Posters & Notices Safety tips at ATM machines
- ✓ User Manual & Guidelines Provided with ATM cards
- ✓ Print & Radio Advertisements 🗐 Spreading awareness
- ✓ Customer Feedback Surveys — Phone calls & online reviews

**Example: SBI & ICICI Bank** run SMS & email campaigns about **safe ATM & online transactions!** 

Process of ATM Operations \*\*

- 1 Insert ATM Card → Card recognition process starts
- 2 Enter PIN ( $\frac{12}{14}$  4-digit number)  $\rightarrow$  Security validation
- 3 Select Transaction Type  $\rightarrow$  Withdraw, Deposit, Transfer, Inquiry
- 4 Enter Amount ⇒ System verifies balance 5 Cash Dispensed → Receipt is printed

**Example:** If a customer enters wrong PIN thrice, the ATM seizes the card for security!

### Cash Recycling Machines (CRMs)

- These are advanced self-service banking devices that combine the functions of an ATM and a cash deposit machine.
- These machines are designed to automate cash transactions for both cash withdrawals and cash deposits, without visiting a traditional bank branch.

### Point of Sale (PoS) Terminals

- √ Electronic device for payment processing
- ✓ Used in retail stores, restaurants, malls
- ✓ Supports debit cards, credit cards, UPI, & mobile wallets

### **Features of PoS Terminals**

- ✓ Cash Withdrawal at PoS 🕸 RBI permits up to ₹2000/day in Tier-I cities

#### **Types of PoS Terminals**

■ PoS Type	<b>Function</b>	<b>P</b> Example
Electronic Cash	Used in high-volume retail	Reliance Smart,
Registers	stores	Big Bazaar
Dial-up	Connects via telephone line	Old retail stores

<b>□</b> PoS Type	<b>Function</b>	<b>♀</b> Example
Terminals	for payment authorization	& petrol pumps
Mobile PoS	Works via smartphone app	Paytm, PhonePe
(mPOS)	& Bluetooth	mPOS

### Pos Transaction Process

<b>⊞</b> Step	<b>Description</b>	
□ Select     Products/Services	t Customer adds items to cart	
2 Merchant Enters	PoS terminal records purchase	
Amount	value	
3 Customer Provides	Swipes card, taps mobile wallet, or	
Payment	scans QR	
<b>4</b> □Payment Verification	PoS terminal connects to bank for	
ayment vermeation	authorization	
<b>5</b> □ Transaction Approved	Receipt printed/digital	
<b>✓</b>	confirmation	
Fund Settlement Merchant receives payment		

<b>∷</b> Step	<b>Description</b>
	the bank

#### **Key Takeaways**

- ATMs & PoS improve banking accessibility & cashless transactions
- Cash Recycling Machines (CRMs) enable 24/7 cash deposits & withdrawals
- PoS terminals enhance digital transactions across retail businesses
- Security measures ensure fraud prevention in ATM & PoS transactions
- **What is Internet Banking?**

Internet Banking is a **digital banking service** that allows customers to **access their bank accounts and perform transactions online** without visiting a branch.

### Types of Internet Banking Services

Service Type	<b>Description</b>
Dania Javal Camina	Provides information only about
Basic Level Service	ba <mark>nking</mark> products <mark>&amp; se</mark> rvices (No
<u>-2</u> ∩	transactions).
Simple Tra <mark>nsacti</mark> ona	Customers can submit requests &
Websites 🖳	applications but no fund transfers.
Fully Transactiona	Enables fund transfers, bill payments,
Websites 🖃 💻	online bookings, and investments.

Example: ICICI Bank Internet Banking allows users to pay utility bills and shop online via Net Banking.

Key Internet Banking Services by Indian Banks IN

Service 🔡	Description 🖈
View Account Balance (§)	Check real-time account balance.
View Transactions	Track recent bank transactions.
Generate Account	Download transaction history.
Fund Transfers	
(NEFT/IMPS/RTGS)	Transfer money between accounts.
View Loan & RD Accounts 🏠	Monitor loans & recurring deposits.
Pay Indirect Taxes (GST, etc.)	Pay <b>GST &amp; service tax</b> online.
Pay Direct Taxes	
(Income Tax, TDS)	Make income tax/TDS payments.
Utility Bill Payments	Pay electricity, water, and phone bills.
Book Tickets 8 Hotels 🏗 🔠	Reserve flights, train tickets & hotels.
Invest in Mutua	Buy/sell mutual funds, IPOs, and gold

Service 🔡	Description 🏠
Funds & IPOs 📈	bonds.
Merchant Payments	Chan anling & navy via Not Panking
	Shop online & pay via <b>Net Banking</b> .

#### **Who Can Use Internet Banking?**

- ✓ Proprietary Concerns Small business owners.
- ✓ Corporate Customers Companies, Trusts, Societies.
- ✓ Individuals Account holders with Single, Either or Survivor mode.
- **Who Can't Use Internet Banking?**
- **✗ Joint Account Holders** (without EoS mode).
- X Minors (below 18 years).

### How to Apply for Internet Banking?

- ✓ Step 1: Submit an Application Form online or at the bank.
- ✓ Step 2: KYC Verification (ID & Address Proof Required).



✓ Step 3: Link Bank Account to Net Banking. 

Ø 🔡





✓ Step 4: Bank provides User ID & Password Setup.



✓ Step 5: Activation of Internet Banking for customer. ✓



✓ Step 6: First-Time Login & Security Setup. 🦰



✓ Step 7: Enjoy secure digital banking! 🔊 💻

### RBI Guidelines for Internet Banking

Prior Approval Required: Banks must obtain RBI's approval before offering internet banking services. □ ✓ Security Compliance: A security policy must be submitted with a certificate from an independent auditor confirming compliance with RBI's minimum security requirements.

Reporting Security Breaches: Banks must report any security failures to RBI. RBI may order a special audit in case 

Inter-Bank Payment Gateway: Banks must set up secure inter-bank payment gateways for processing digital transactions.

Cheque Clearing System Membership: Only banks that are part of the cheque clearing system can participate in inter-bank payment gateways.

Mandatory Risk Disclosure: Customers must be informed of risks, responsibilities, and liabilities before using internet banking.

Example: SBI Internet Banking follows RBI-mandated encryption protocols for online fund transfers.

Internet Payment Gateway (IPG) – Secure Online

Transactions

What is an Internet Payment Gateway (IPG)?

An IPG is an interface that enables secure internet payments through credit/debit cards & net banking.

- **Key Features of IPG**
- ✓ Secure transactions with encryption ☐ JAIIB with Learning Sessions. https://iibf.info/app

- ✓ Supports Visa/MasterCard/RuPay payments
- ✓ Merchant KYC verification required before activation
- ✓ **Real-time transaction tracking** for merchants
- ✓ **High-security standards** to prevent fraud **△**
- **Example**: Amazon Pay & Google Pay use RBI-compliant payment gateways for secure transactions.

### Internet Banking Security Measures

○ Security Feature	0	Des	cripti	on	7		
Technology Standard	<b>s</b> Use	of	lates	t en	cryptic	n &	firewall
	tech	nnol	ogy to	pre	vent cy	ber t	threats.
Verification of Digita	Aut	hen	ticate	s o	nline	trar	nsactions
Signatures 🖄	usin	ıg <b>d</b> i	igital (	certif	ficates	•	
Public Ke	<b>y</b> Use	s n	ublic-	priva	ate ke	v en	cryption
Infrastructure (PKI	1	_		-	ticatio	_	, p a. o
Security Policies	Ban	ks ı	must	esta	blish s	trict	security
Jecurity i officies	poli	cies	for c	ustor	mer sat	fety.	
Data Privac	<b>y</b> Pro	tect	S CI	ustoi	mer	data	from

○ Security Feature	<b>Q</b> Description		
Protection <u></u>	unauthorized access & cyber threats		
Risk Assessment 8	Banks <b>conduct periodic risk</b>		
Mitigation 🔟	assessments & security audits.		
Secure Networ	kFirewalls & monitoring systems		
Architecture (	prevent hacking attempts.		

**Example:** HDFC Net Banking requires 2FA (Two-Factor Authentication) for login & fund transfers.

Summary Table: RBI Guidelines & Security Measures

Category	Key Points	
DDI Cuidolinos 🖽	Approval required, security audits, inter-	
RBI Guidelines	bank gateways, risk disclosures.	
Internet Paymen	Secure transactions via credit/debit	
Gateway 🖃	cards & net banking.	
Security Measures	Encryption, digital signatures, secure	
	networks, firewalls, PKI authentication.	

Category	Key Points
Risk Mitigation 🛕	Periodic audits, fraud detection, data
RISK WITTIGATION /!\	privacy enforcement.
Examples 🏠	SBI, HDFC, ICICI, Amazon Pay, Google
Examples >	Pay, RuPay, Visa, MasterCard.

"Internet banking is safe when RBI guidelines & security protocols are followed!"



Mobile Banking - Banking at Your Fingertips!

### ✓ What is Mobile Banking?

It is a **digital banking service** that allows customers to access and manage their bank accounts using **mobile devices like smartphones & tablets** .

- **Oheck balances & transactions**
- Fund transfers within & outside the bank

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- **♦** Real-time alerts & notifications
- Bill payments & mobile recharges
- Loan applications & EMI payments
- Example: SBI YONO, ICICI iMobile, HDFC Mobile Banking provide seamless banking on mobile apps.

- **Transaction Limit in Mobile Banking**
- No daily cap on transactions for purchases of goods/services
- ✓ Bank-specific transaction limits based on risk assessment
- Board approval required for setting transaction limits

- ♠ Real-time money transfer system
- **♦** Instant credit to beneficiary **♦**
- Available 24x7, including holidays
- **♦** Safe, secure & fast transactions **♠**

#### **How to Send Money via IMPS?**

Transfer Method	Details	
	Sender & receiver must register for Mobile	
Using MMID	Banking & get Mobile Money Identifier	
	(MMID).	
Using Using	If beneficiary does not have MMID,	
Account No. &	transfer using IFSC Code & Account	
IFSC	Number.	
ID Using	IMPS transfer using Aadhaar-linked bank	
Aadhaar No.	account for seamless transactions.	

Transfer Method	nod Details	
(ABRS)		



- ✓ **Developed by NPCI** for real-time payments
- ✓ Instant fund transfer through mobile apps 🕸 🗒
- ✓ Cashless transactions using VPAs or QR codes 🖸
- Peer-to-Peer (P2P) & Peer-to-Merchant (P2M) payments
- ✓ Safe, secure & seamless transactions 🖺 ✓
- **Key Features of UPI**

Feature	Details
Multiple Payment	Payments via mobile app, web, QR
Methods	codes 🗒 🔟
<b>Multiple</b> Bank	Link multiple bank accounts to one
Accounts	UPI ID 🗹
12 Virtual Address	Transactions using UPI ID instead of
(VPA)	account number
A Highly Secure	2FA, PIN authentication & encryption for protection
Instant Transactions	Money transfer happens in real-time

**Example:** Pay ₹5000 to a shop via UPI on Google Pay using QR Code.

Summary Table: Mobile Banking & Digital Payments

Category		Key Details				
	Mobile	Check	balances,	fund	transfers	, bill
Banking		paymei	nts, alerts 8	& more	•	
<b>■ IMPS</b>		Real-tir	me, 24x7	fund	transfers	using

Category	Key Details		
	MMID, IFSC, Aadhaar.		
<b>∷</b> UPI	Instant transactions via UPI ID, QR Code, mobile number.		
<b>⚠</b> Transaction	No daily cap on purchases, per-		
Limits	transaction limits as per banks.		
Security	2FA, PIN, encryption, secure network		
Measures	authentication.		
Google Pay, PhonePe, Paytm, SBI Y HDFC iMobile.			

**⊘ P** "Mobile banking & UPI have transformed digital payments in India!" IN ■

UPI 2.0: Complete Details in Simple Points IN

#### What is UPI 2.0?

UPI 2.0 is the upgraded version of India's Unified

Payments Interface (UPI). It adds new features to make

digital payments safer, smarter, and more flexible!

### Key Features of UPI 2.0 🖺 🛠

- 1. Overdraft Facility (OD) Linked to UPI  $\blacksquare$ 
  - What? Link your Overdraft Account (like a temporary loan from your bank) to UPI.
  - Benefit: Pay even if your main account has low balance!
  - Example: Need to buy groceries but short on cash?
     Use OD via UPI!
- 2. One-Time Mandate for Future Payments 📰 🖺
  - What? Block money now for a payment to be autodebited later.
  - Benefit: Perfect for e-commerce orders (like
     Amazon/Flipkart) or subscriptions (Netflix).
  - ₀ How? Approve the mandate → Money is deducted only when the product is delivered.
- 3. Invoice in Inbox 🖹 🕹

- What? Merchants can send digital invoices directly to your UPI app.
- Benefit: Check invoice details (amount, product info) BEFORE paying!

### 4. Signed Intent & QR Codes 🖺 🗐

- What? QR codes now have a digital signature to confirm the merchant is verified.
- 5. Higher Transaction Limits for Specific Cases 🗾 🖨
  - What? Bigger payments allowed for stock trading, medical bills, education fees.
  - Example: Pay ₹2 lakh for hospital bills via UPI (earlier limit was ₹1 lakh). □

### UPI 1.0 vs UPI 2.0: Comparison Table

		UPI 1.0 VS UPI 2.0			
		X	Not Available → ✓ Available		
Mandate	(Future	×	Simple → ✓ Block money for		
Payment)		later			
Invoices		X	No $\rightarrow$ $\checkmark$ View in app before		

Feature	UPI 1.0 VS UPI 2.0		
	paying		
QR Code Security	★ Basic → Signed & Secure		
Transaction Limits	★ Lower →  Higher for special cases		

### UPI 2.0 Summary Table 😂 🖹

	/ 48		
Feature	What It Does	Benefit	
<b>Overdraft</b>	Links OD a <mark>ccount</mark> to	Pay even <mark>with l</mark> ow balance	
Facility	UPI		
One-Time	<mark>Bloc</mark> ks m <mark>on</mark> ey for	Safe for pre-orders	
Mandate	<mark>futu</mark> re payments	Sale for pre-orders [	
Invoice in	details before	Avoid fraud & wrong payments 🗐 🗹	
Signed QR	Adds digital signature to QR codes	No fake merchant scams	

Feature V	What It Does		Benefit	
Higher Limits p		special	Pay	education/hospital

### Why UPI 2.0 Rocks? 2 IN

- Safer: No frauds with signed QR codes.
- Smarter: Pay later with mandates.
- Flexible: Use OD accounts or pay big bills.
- **Transparent:** Check invoices before paying.