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FAST-FORWARDING INDIA INTO THE DIGITAL AGE.



Fast-forwarding India with































RuPay is driving the country towards a less cash society.

It provides universal access to payment systems, and is accepted across all major Point of Sale (PoS) and online merchants in the country.

3 categories, unlimited possibilities

Credit Card



Debit Card



Prepaid Card









Jewellery



Lifestyle









Spa & Wellness

Grocery

Shopping Travel



RuPay Debit Cards for every customer need



RuPay Credit Cards for every customer need



T&C apply.



570+ million

cards in force, and growing,
as more and more
Indians celebrate their success and
experience luxury, accessibility,
and priority with RuPay.







RuPay Prepaid Cards

Convenient. Hassle-free. For varied needs.



Gift

- •The perfect card for gifting to loved ones
- Allows them to choose
 a gift of their own choice
 on e-commerce sites or
 at merchant outlets



Corporate Disbursements

- Perfect solution to move away from cash allowances/disbursements
- Convert Meal vouchers to Physical/Virtual Meal Cards
- Recognise your employees through Reward Cards





RuPay for Social Good

Convenient. Hassle-free. For varied needs.



Pradhan Mantri Jan Dhan Yojana

A Government of India initiative

- National Mission for Financial Inclusion ensuring affordable access to financial services
- Banking/ savings & deposits accounts, remittance, credit, insurance, pension, etc.
- RuPay PMJDY Debit Cards can be used at all ATMs, PoS, and online portals



Pradhan Mantri Mudra Yojana

A Government of India initiative

- Supports and promotes partner institutions and creates an ecosystem of growth for micro enterprises
- Provides working capital as cash credit arrangement
- Can be used in multiple withdrawal and credit, so as to efficiently manage working capital limit and keep interest burden minimum



Kisan Card

A Ministry of Agriculture initiative

- Aims at providing need-based and timely credit support to farmers
- Simple and cost-effective, for cultivation needs and non-farm activities
- The cards are issued on the farmers' KCC account
- The cards can be used at PoS, ATMs, and online portals



Pungrain

A Punjab Governmer initiative

- Part of the Grain procurement project launched in October 2012
- The aarthias under this scheme are provided with the card
- The card can be used at all ATMs and for automated grain procurement facility at PunGrain mandis





RuPay Contactless Payments

RuPay Contactless payments offer a vendor agnostic, scalable, inter-operable, secure, user-friendly and cost-effective payments ecosystem. RuPay contactless cards can be used for high value as well as low value payments. With the unique feature of offline transaction, it offers the potential of digital penetration across low value segment and hence building a cashless society in India. This platform allows member banks and any other RuPay service provider/issuer to bring out open-loop RuPay contactless card while providing them the option of offering in-built stored value and information storage functionalities.

The key features of RuPay Contactless Card are mentioned below:

- 1) Supports online (contact & contactless) & offline (contactless only) transactions
- 2) Dedicated storage areas (service areas) for merchants/operators
- 3) Can be used for transit, toll, parking, retail, smart campus, and small value merchant payments
- 4) Can be issued as debit, credit or prepaid

with stored value

- 5) Provision of topping up the stored value (card balance) through any mode of payment channel viz., online using card, internet banking, IVR, ATM, cash at customer service point at the option of the issuing entity
- 6) Since the transaction is permitted against available balance, there is no financial risk
- 7) Can co-exist with the existing technology being used by merchants/operators and migration to common standards may be achieved gradually to suit their convenience

Benefits to Customers

- Interoperability for multi-modal transport
- Quick transaction with contactless mode
- Reduced cash holding
- Digital trail for all transactions

Benefits to Financial Institutions

- Large customer base for issuance
- Customer loyalty & stickiness
- Long-term business relationship with Merchant/Operator

Benefits to Operators/Merchants

- Common standards
- Savings on card life-cycle management cost
- Reduced cash handling



Use Cases



Metro

- Super quick transactions with offline feature enabled on the card
- No need to stand in a queue
- Improving access to metro services by augmenting easier access to service & information
- Aid multi-modal integration
- Provision of storing passes



- Common card payments system with all use cases
- via multi-modal transport
- experience



Smart City

- Seamless journey experience
- Enhanced customer

Bus

- Faster payments
- Hassle-free cashless payments
- All types of passes can be stored on card
- Independent of network connectivity



Parking

- Supports offline payments
- Reduces congestion
- Independent of network connectivity
- Hassle-free cashless payments
- Reduces cost of cash handling



ATM

 Accepted at all ATMs across India



Toll Plaza

- Reduces congestion
- Hassle-free cashless payments
- Reduces cost of cash handling



Retail

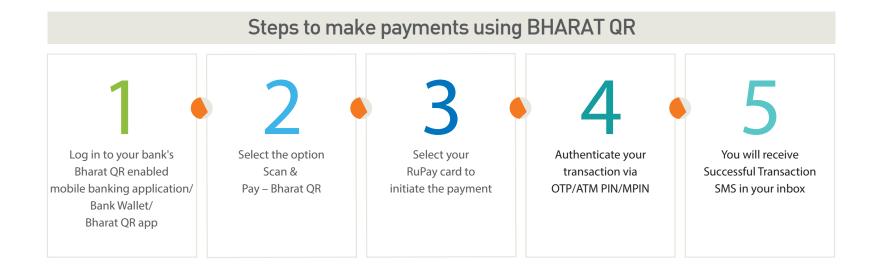
- Dual interface cards can be used in contact and contactless mode
- Faster and seamless payments





SCAN QR USING BHARAT QR ENABLED

MOBILE BANKING APPLICATION/ WALLET/BHARAT QR APP TO PAY AT MERCHANT OUTLETS











UPI (Unified Payments Interface) powers multiple bank accounts into a single mobile application (of any bank) merging several banking features, seamless fund routing, and merchant payments into one hood.

One interface, multiple capabilities

- Transfer money 24/7/365
- Single mobile application for accessing different bank accounts
- Transfer money using UPI ID (no need to enter card details)
- Merchant payment with single application or in-app payments
- Supports multiple ways of payment, including QR code scan, pay, collect etc.
- Simplified authentication using single click two-factor authentication
- UPI ID provides incremental security
- Ease of raising complaints





Foreign Inward Remittance

With this feature, user can receive money from any country instantly with UPI

- Receive Funds instantly from abroad with any UPI
- Faster transfers

One Time Mandate with block functionality

With this feature user can pre-authorise a mandate via UPI whereby a certain amount of funds get blocked towards a certain future purpose

- Create mandate instantly
- Pre-authorised transactions give an assurance to the merchant as well as the customer

Over Draft Facility on UPI

User can now link his/her overdraft account in any UPI enabled app.

- Operate Overdraft account using any UPI enabled app.
- Faster transaction speed
- Access of Overdraft facility to users on any UPI enabled app.

Invoice in the Inbox

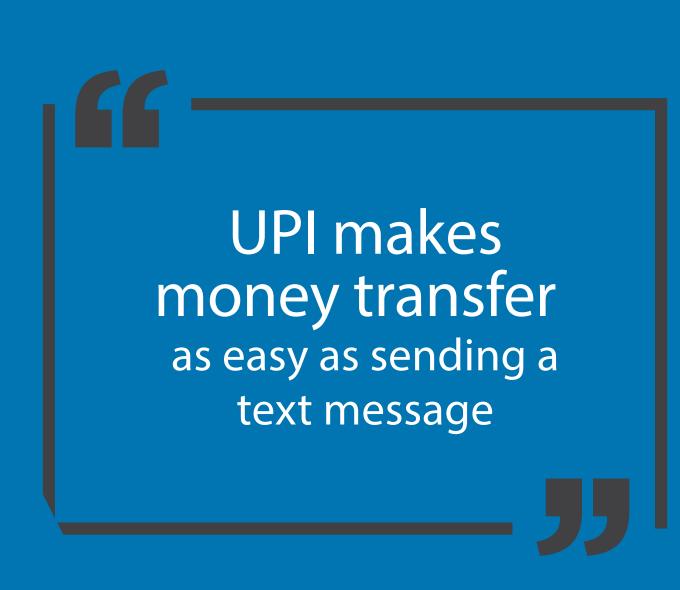
User can verify the details of the invoice before making a bill payment to merchants

- User gets to verify the amount being paid on the invoice
- Digitisation of bills will save paper and will create ease of convenience in logistics

Signed Intent & QR in UPI

Signed Intent & QR will be allowed only to trusted PSP apps.

- Payments to a secured party
- Additional Security
- Authenticity of the transaction







Financial transactions, fast-forwarded with UPI

Pay using UPI ID, Account Number
 & IFSC Code or by scanning QR
 Collect request, basis UPI ID

Non-financial transactions, fast-forwarded with UPI

• Mobile banking registration (only if the mobile number of the customer is enabled with the issuer bank for SMS/ mobile alerts) • Set UPI PIN/ Change UPI PIN • Check transaction status • Check account balance

Collect functionality lets merchant collect payments directly from the customers No risk of storing sensitive data

No additional infrastructure required. Supports existing assets

Suitable for online and offline transactions

Solution available for all types of merchant needs including COD In-app payments



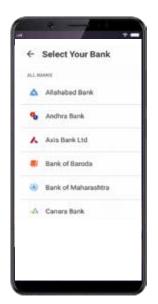


A SIMPLE AND SECURE WAY TO



Get started with BHIM

Download the app and follow these simple steps



Select your bank A/C from list of banks



Set your UPI PIN with your Debit Card details



Perform direct bank to bank fund transfer



Send money by entering the payee's UPI ID





Services Available





















Services offered using IMPS







Fund transfer

Round-the-clock service (even on weekends and bank holidays)

Foreign Inward Remittance

Send money to receiver using any of the below inputs

Account No. & IFSC Code | Mobile No. & MMID

Transactions can be initiated using





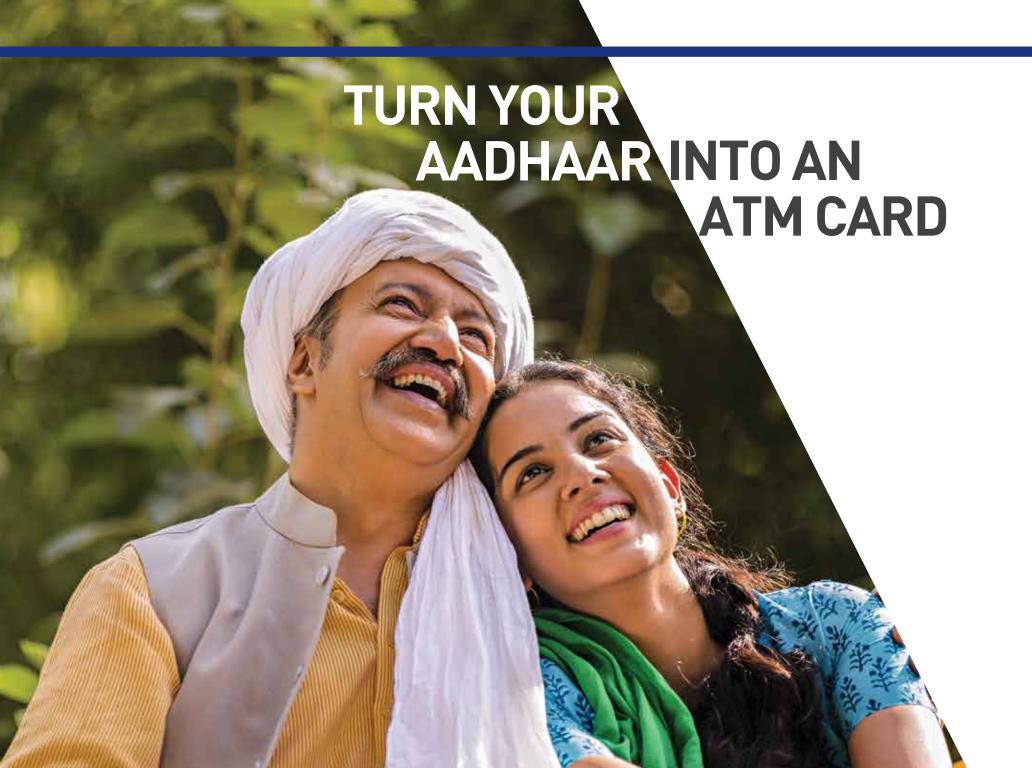












Aadhaar-Enabled Payment System

A payment system which enables an Aadhaar holder to avail banking services through real-time Aadhaar authentication. It is an interoperable system allowing customers of one bank to transact using the payment infrastructure laid out by other banks. This requires only Aadhaar number or Virtual ID as customer identifier, both, in UIDAI system and at bank's end. Other inputs required are transaction type, amount, bank name or bank identification number, and fingerprint or IRIS.



Services offered





Cash deposit



Balance enquiry



Aadhaar to Aadhaar fund transfer



Mini statement

Other "Value Added Services" offered to banks & non-banks include:

eKYC | Demographic authentication | Best finger detection | OTP & IRIS authentication | Tokenisation







More

Get paid

and

pay faster

More environment friendly



Lower transaction fees



Larger network of banks

banking system









528+ TOLL PLAZAS ACROSS
THE COUNTRY MANAGED BY
NATIONAL HIGHWAYS AUTHORITY
OF INDIA NOW ACCEPT







The NETC System consists of the following parties

Issuers

They issue the FASTag to their customers (vehicle owner) and link the tag to an account (prepaid/savings/current) for

Acquirers -

plaza for facilitating toll transaction and settle the

NPCI -

NPCI facilitates the transaction & settlemen between issuer and acquirer bank.

Concessioners / Toll plaza operators -

They provide the required infrastructure for acceptance of NETC Tag at ETC Lane. This includes ETC lanes, RFID Reader, Cameras, AVC etc.





Bharat BillPay is an integrated bill payment ecosystem conceptualised by the Reserve Bank of India wherein NPCI was designated as the Bharat Bill Payment Central Unit (BBPCU) that will act as the central clearing house authorised to pass transactions between the BBPOUs and process the multilateral net settlement in RBI books.

Bharat BillPay will provide a one-stop interoperable and accessible bill payment ecosystem to all customers across India to pay utility bills 'Anytime Anywhere' with utmost ease, certainty, reliability and safety of transactions. Bharat BillPay enables myriad modes of payment like debit card, credit

card, net-banking, prepaid wallets, IMPS, UPI, Aadhar-based payment, etc. and will ensure instant confirmation of payment via digital means like SMS or a physical receipt. Bharat BillPay covers insurance, mutual funds, FASTag and other recurring payments categories like electricity, telecom, DTH, gas, and water bills through a single window.

Bharat BillPay provides an effective mechanism to resolve consumer complaints and grievances regarding bill payment related transactions.

Salient Features



d offline platforms. Ultiple payment s and channels



Instant confirmation



Facilitates bill fetch/query and validation of transactions



Easy online complaints registration





Participants in **Bharat Bill Payment System**

- 1. Bharat Bill Payment Central Unit (BBPCU): NPCI has been authorised by RBI as the BBPCU responsible for setting standards authorised to participate in the ecosystem. The BBPCU will be responsible for undertaking clearing and settlement activities related to transactions routed through Bharat Bill Payment system.
- 2. Bharat Bill Payment Operating Unit (BBPOU): BBPOU is an entity (bank or non-bank) authorised by RBI to participate in Bharat Bill Payment System. BBPOUs may choose to act as either customer or biller aggregators or may wish to participate as both; that means such BBPOUs will be aggregating both customers and billers.
- Benefits: Single integration, extended reach, standards-driven scheme, guaranteed settlement, centralised admin portal, ability to offer value-added services, centralised complaint and dispute management, MIS, etc. Agent Institutions: Entities who are currently in bill payment, collection and
- 3. aggregation business or who wish to offer bill payment option, would operate through a BBPOU.
- Agents: Agents are the customer service touch-points in Bharat BillPay,
- 4. available in the form of bank branches, collection centres, retail outlets, and other service-points.
- Biller: Service provider, who shall receive payments from customers for
- 5. services rendered. Billers can choose up to two default BBPOUs for participation in BBPS to access the entire universe of consumers and payment channels.

Benefits to Consumer









trust:

with high degree

of trust and

security







Accessibility: Facility of

paying bills digitally via website/app as well as at physical outlets

Assisted mode:

Bill payment at agent outlets, bank-branches, and business correspondents with ease

Convenience and uniform experience:

Convenience, time-saving, uniform experience and flexibility of payment channels

Reliability and Instant confirmation: Reliable service Instant

confirmation of bill payment via receipt/confirm ation, message in the form of SMS/E-mail/ Print as desired by customer

Transparent pricing

Unified complaints and grievance handling

How to pay your bill with Bharat BillPay



Connect with any of the Bank/non-bank enabled channel i.e. website/app/bankbranch or outlet



consumer

Go to the bill payment section (in case paying digital) or teller/agent would pay on behalf of the



Click on the Bharat BillPay (BillPay) section and select the biller/utiliity company to pay



Enter customer bill details



Verify the details, pay the bill and get instant Bharat BillPay receipt



✓ SECURE TRANSACTIONS

✓ CONVENIENT LOCATIONS

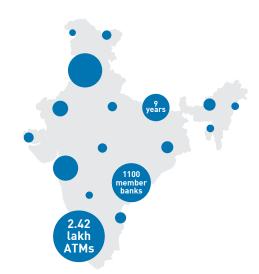
PLEASE INSERT YOUR CARD

FACILITATING CONVENIENT BANKING FOR THE COMMON MAN



Switch

National Financial Switch(NFS) ATM network having 37 members and connecting about 50,000 ATMs was taken over by NPCI from IDRBT on December 14, 2009. Over the span of 9 years, NFS ATM network has grown manifolds and is now the leading multilateral ATM network in the country having more than 1100 member banks- 150 direct member banks and 1027 sub-members, and has a total network of about 2.42 lakh ATMs as on September, 2019.



Salient Features

- NFS has introduced the sub-membership model which enables smaller, regional banks including RRBs to participate in the ATM network.
- NFS has maintained high standards of application and network uptime of above 99.50% which has helped our member banks ensure enhanced customer experiences.
- The Dispute Management System (DMS) has benefitted members with high operational efficiency and ease of online transaction life-cycle management (chargeback, representation, etc.) in the network apart from being compliant with local regulatory requirements.
- Apart from basic transactions like cash withdrawal and balance enquiry, NFS also offers other value-added services (VAS) on ATMs like:
- Interoperable cash deposit (ICD),
- PIN change, mini statement,
- · Mobile banking registration,
- · Card-to-Card fund transfer,
- · Aadhaar number seeding
- Cheque book request and statement request to

its members.

- NPCI has also tied up with international card schemes like discover financial service (DFS), Japan Credit Bureau (JCB) and Union Pay International (UPI), which allows their cardholders to use ATMs connected to NFS network.
- The Fraud Risk Management (FRM) solution is offered as a value-added-services to monitor transactions (in real-time) and to raise alert or decline the transactions in NFS network.



Interoperable Cash Deposit (ICD) Service on NFS ATM Network

Interoperable Cash Deposit (ICD) was introduced in NFS ATM Network in August 2016. It enables cardholders of participating members banks to use NFS networked cash deposit Machines & Recyclers of participating members banks for depositing cash in their own account or third party account.

The service is beneficial for banks as well as its customers as it will help banks to optimise cash handling cost and at the same time provide convenience to customers by allowing them to use any participating bank's cash deposit machine to deposit cash into their own account or any third party account. This shall benefit retailers and corporate customers of participating banks to get the cash deposited any time as per their convenience.



Some of the key features of this service are

0

Real-time credit to beneficiary account 02

Instant verification of notes

03

24/7 availability of cash deposit machines

04

Paperless transactions

05

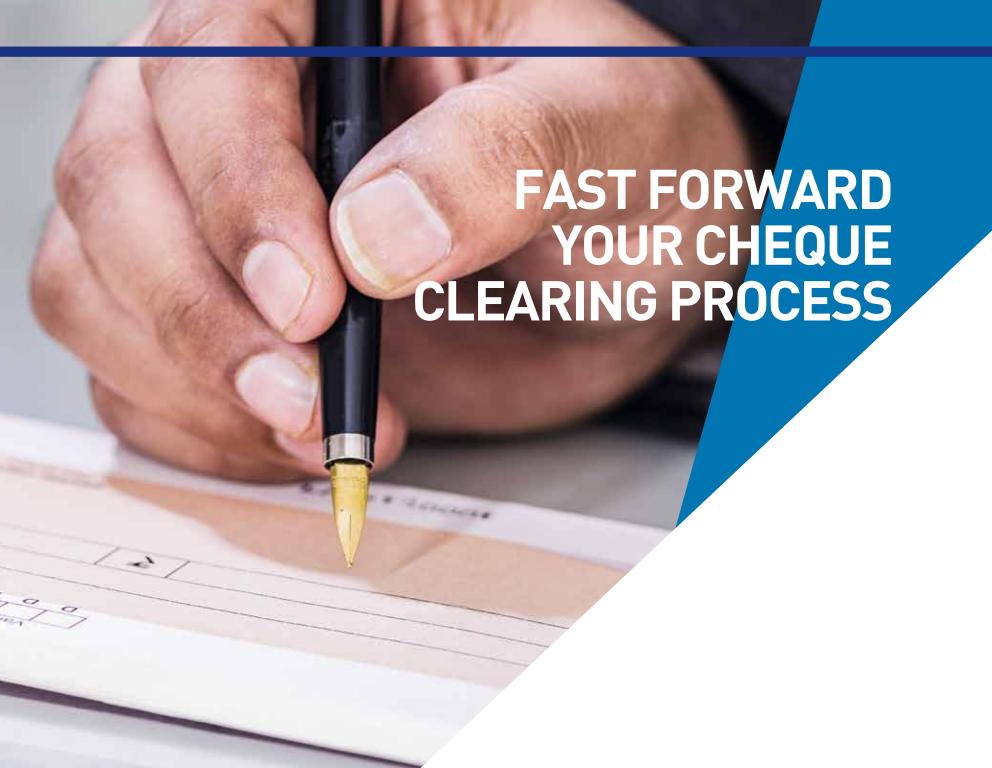
Limit per transaction is restricted to less than ₹50,000

Currently fifteen member banks are live on ICD, namely Andhra Bank, Canara Bank, Kotak Mahindra Bank, South Indian Bank, TJSB and Union Bank of India (as acquirer).

More banks shall be joining in the next few months.

Banks have already deployed about 26,000 cash deposit machines for catering to their own customers. Interoperability will further help banks to optimise cash handling costs and earn higher interchange fees, leading to enhanced return on investment.





An electronic image of the cheque is transmitted to the drawee bank by the clearing house, along with relevant information like data on the MICR band, date of presentation, presenting bank, etc. Thus, in CTS, the physical movement of cheques from banks to clearing houses are replaced by electronic images of the cheques and relevant data. Physical cheques are retained at the presenting bank itself. The images and data are transmitted over the secured network. The settlement of the CTS is based on the MICR data captured from the cheques.

NPCI was entrusted with the responsibility of the implementation of CTS on a pan-India level by the Reserve Bank of India (RBI). All the states and union territories with their 66 MICR clearing centres were divided in three grids with their operating centres at Chennai, Mumbai, and New Delhi respectively.

MICR clearing centres were divided in three grids namely:

• Southern Grid (9 states - 25 MICR centres)

• Northern Grid (10 states - 21 MICR centres)

• Western Grid (5 States - 20 MICR centres)

P2F Process

As part of the overall CTS responsibility, NPCI organises Paper to Follow (P2F) sessions at each MICR location, wherein the participating banks can exchange the P2F cheques.

Centralized Positive Pay System (CPPS)

Centralized Positive Pay System is a platform for the member banks and their customers (Corporate & Retail) for recording the details of the cheques issued by them. A separate application has been created which can be accessed through internet by the member banks, corporates and retailers. This system is common for all GRIDs.

It is a service

- i. A preventive tool against cheques fraud/s
- ii. It facilitates positive pay which is a part of RBI vision document 2018

Features

- 1. Facility for banks to upload the cheque issuance data.
- 2. Validation of cheques presented by the banks against CPPS data.
- 3. Provide the CPPS flag to the banks for validation at their end.
- 4. 24X7 availability
- 5. Support csv & xml file format
- 6. Daily reports
- 7. Archival facility
- 8. 10 years of retention

National Archival Service (NAS)

National Archival services (NAS) is the additional service provided from NPCI with respect to CTS, and it is available in all three Grids.

NAS provides the following functionality

- 1. Extracting of Cheque image for both Outward & Inward in CTS through Internet
- 2. Extracting reports for both CTS and Non CTS sessions.

NAS will help the banks in

- 1. To reduce dependency on Sponsor Banks for seeking reports and images
- 2. For speedy resolution on customer queries.
- 3. Separate archival system need not be maintained at Bank end as NPCI borne the responsibility for the same. However, its Bank decision to have an additional source for archival.

Salient Features



Advantages







No physical movement cost



Online access to images and data



Lower processing charges



Faster customer credit



No encoding cost



Location



CHEQUE TRUNCATION SYSTEM

Automation

No cases of





MAKING EVERY INDIAN A PART OF DIGITAL INDIA

