# Enhancing Financial Inclusion with a Central Bank Digital Currency (CBDC)

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## **Problem Statement and Use Cases**

Limited access to financial services

Costly cross border transactions

Hindering global financial inclusion

Limited monetary policy control

No transparency and auditability

Inefficient cross border transactions



### **Proposed Solution**



The proposed solution aims to address the challenges of limited access to traditional financial services and inefficiency of cross border transactions by leveraging CBDC on Hyperledger fabric.

#### **Key Components of the proposed solutions:-**

Hyperledger Fabric Infrastructure
Digital Identity Management
Universal Access
Low-cost transactions
CBDC issuance and management
Scalability and Privacy

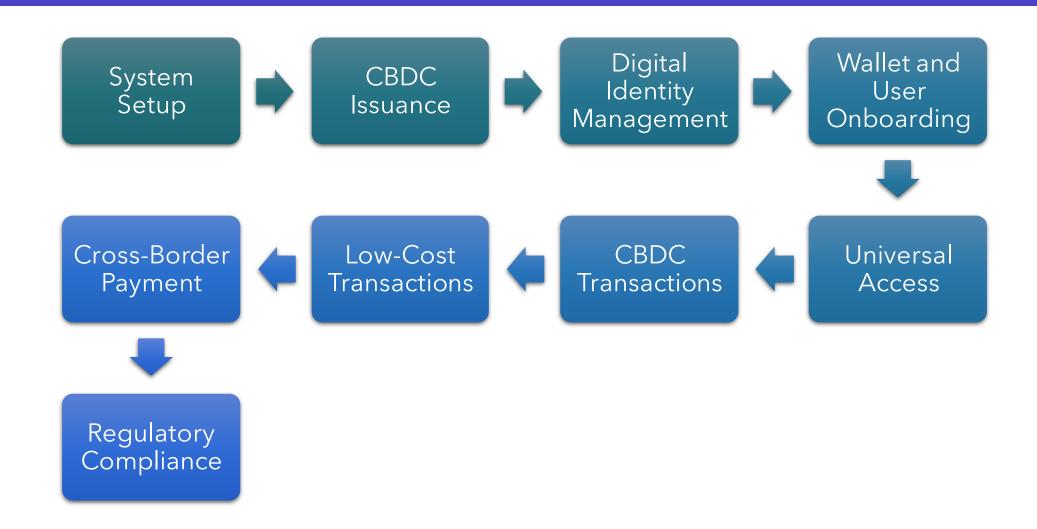
# Why fabric

Reasons make Hyperledger Fabric a preferred choice for businesses and organizations:

- Permissioned Network
- Modularity and Extensibility
- Private Data Collections
- Smart Contracts (Chaincode)
- Scalability and Confidentiality
- **Endorsement Policies**
- Identity and Access Management
- Pluggable Consensus Mechanisms
- Interoperability
- Consensus Mechanism



#### **Project Workflow**



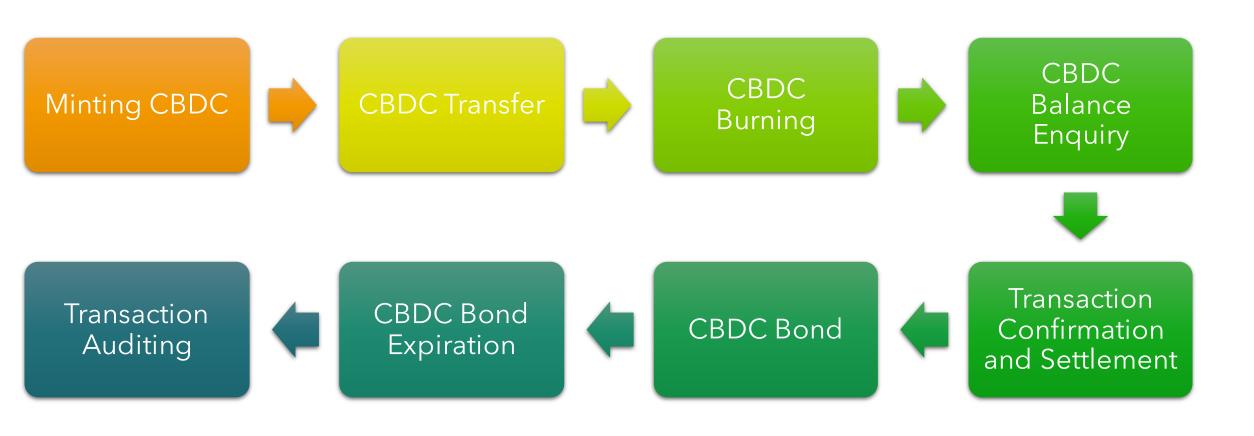
Assets:-

**CBDC** 

**CBDC** Bond

- Participants:-
- Central Bank
- Commercial Bank
- Consumer

#### **Transactions Flow**



## Future Scope and Enhancements:-

**Cross-Border CBDC Transactions** 

**Integration with Traditional Banking Systems** 

**Enhanced Privacy Features CBDC** 

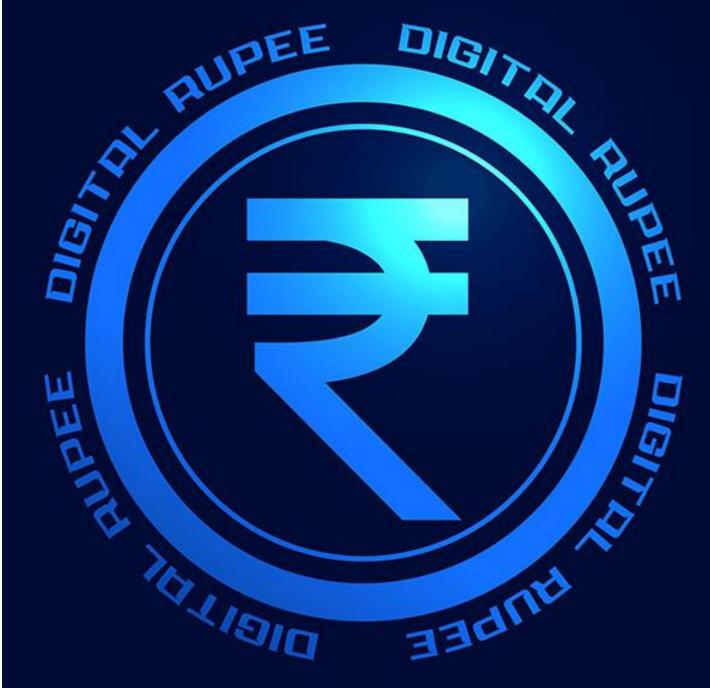
**Wallets and Mobile Apps** 

Interoperability with Other Blockchains

**Offline Transaction Support** 

**Al and Analytics Integration** 

**Disaster Recovery and Redundancy** 





## Thank you

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