

Openworld Banking System

Decentralized solution to Identify fake currency, robbery and fraud detection

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Abstract

There are couple of issues in current banking system trying to solve in this paper. Banks are maintaining privacy for its internal and external transactions, these transactions are controlling by one/more people in that branch/bank. Using this loophole double spending/submitting duplicate/forgery documents to get the loans. This will impact world/country/government economy. No one knows what is the debit of the bank/organization. Rest of the world doesn't know except some higher authority, what are the documents being taken as a guarantee to approving loan for a person/organization. How many accounts are there in the bank and what are the expenditures for an organization, it's very difficult to perform audit for a company or check money laundering or any financial issues. In real world there are lot of examples/cases where top level/internal teams/people are involved in fraud/issuing more loan rather than what actual eligible amount. This is happening because of data kept is secret/private. No one can get to know that information except the central authority, and there will be a possibility of modifying records. It's very difficult to find an such kind of issues, until some honest person report to media/organization/team/higher authority. Then only that scam can be identified. In most of the cases it's very difficult to recover total money due to local/international law's. That means country will lose taxpayers trust and money, that may indirectly giving an impact to taxpayers doesn't have any control on their money. This will leads to be a financial imbalance. Openworld Banking System will protect privacy and it will provide transparent system that will help everyone understand where money is floating. This will help nation or any investigation team to check record's to find fraud. Government can offer incentives for fraud detection. This step will help to save lot of Government time and efforts. This step is an optional.

Using Openworld Banking System approach person identity is hidden. Outside world can see only Unique identifier (alphanumeric numbers Like XY1Z). But who is XY1Z only Current Branch and FedBank/RBI can decrypt data. Using this approach user can maintain multiple bank accounts under one wallet. User can do transactions by knowing only Unique identifier without knowing bank/branch/bank code. Money initiator can also see money is transferred to person account or not. Receiver also can see money received from XYZ1 without logging in account. This will help lot of fintech trading like Nasscom/BSE/NSE, which help investors can trade shares with more trust, rather than trusting one financial report. This will become more open I'll discuss how to hide person/organization identity and provide personal security in this paper more detail.

One more major issue in real banking system is identifying fake currency. If a real person receives fake currency (notes/coins) from bank/ATM/person(ABC), it's very difficult to prove that note is given by ABC. Using Openworld Banking System, we can trace where that note came from.

If some person stole the money, it is difficult to recover. In general this is very complex process to recover money. Using this approach, robbery money will be invalidated by the system. That means lost money will not be accepted any more. Merchants will have one machine that will always down sync robbery/burnt notes from the RBI/FedBank/trusted authority, and scanned note is matched with record, It will not be accepted any more.

Using above three approach we can find reverse trace of fake notes coming from which bank/branch/machine/account. So that we can catch the person behind forgery of currency.

This paper is intended to create corruption free, robbery free, forgery free world. I believe this will change entire economy.