

# Voice of India

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Audience: Government officials and general public.

Prerequisites: Basic knowledge on the current grievance system of India and the block chain technology.

In a vast country like India, which is home for 1.3 billion people, the problems faced by the people are increasing everyday. Not everyone can reach out to the government officials to register their complaints and get them solved.

The contemporary process for registering these complaints include an in-person meeting with the government officials, complaint registering via phone or via the grievance websites provided by the Government of India. The problem with these systems is that there is a middle man existing between the people and the government and a centralized system where all the records or complaints are maintained by the middle man. There are chances for:

1. Record manipulation
2. Ignoring the records
3. Deleting the records
4. Records being compromised due to security breach.

For years, we have been depending on these middlemen to trust each other. The problem is that they are singular in number. If a chaos has to be injected in the society, all it requires is one person/organization to go corrupt, intentionally or unintentionally.

A decentralized block chain technology, where there is no intervention of any middleman, can be proven as a solution for this problem. This solution uses a decentralized system which is free from the records being manipulated, ignoring, deleted and compromised due to security breach. This system also allows other people to be aware of the problems faced by others and give their support.

The block chain technology which is a decentralized system will divide the data into blocks and secure it with the help of hashing techniques. These blocks are shared to all the nodes in the network which will help in avoiding the manipulating, ignoring, deleting and hacking the data, since a modification at one node can be detected as all the other nodes are intact.

Also, some people with evidence against wrong doing in the society are afraid of the consequences they may face when they try to register a complaint. The block chain technology helps in providing anonymity to the person registering the complaint.

This system allows the users to register and then login to view all the complaints that are registered by people and up vote or down vote them to support or oppose the complaints respectively. This can help the viewers to get an idea on the problems that are more prominent in the current society and the government officials to take an immediate action on the problem.

The technical stack used to build this system is:

- Ethereum Block Chain
- Embark Web Framework
- Solidity
- Java Script, JQuery
- HTML, CSS