

Agriculture

A website to invest and sell your crops

- Techno Starks

Problem Statement

- ▶ Agricultural marketing still continues to be in a bad shape in rural India. In the absence proper facilities, the farmers have to depend upon local traders and middlemen for the disposal of their farm produce which is sold at throw-away price.
- ▶ Due to the presence of unorganized marketing structure, private traders and middlemen dominate the marketing and trading of agricultural produce.



Solution

- ▶ We have come up with a way in which a company/investor can directly communicate with a small/big farmer for the supply agricultural goods as per their requirement.
- ▶ We have created a platform in which a farmer can get updates regarding different investors who are interested in buying their crops and are ready to invest in there land
- ▶ By doing this, it will bring about the transfer of technical skills in a way that is profitable for both the sponsors and farmers
- ▶ They can also sign a contract where both the farmer and investor agree on some terms and conditions. It is a simple and practical legal tool for buyers and producers to make responsible agricultural investment a reality.
- ▶ All the data of the details of the contract is handled by using the concept of blockchain. Therefore all the data from the contract would be 100% secure and both of them would have to abide by it.

Features

► **Contract Farming**

They can create an agreement between them with some terms and conditions. So both the investor and the farmer would have to abide by it.

► **Updates regarding investors**

The farmers can register on the website and will get updates via email if an investor is interested to invest.

► **Secure Data**

All the data from the contract would be saved in blockchain which can be only accessed by the admin, farmer and the investor

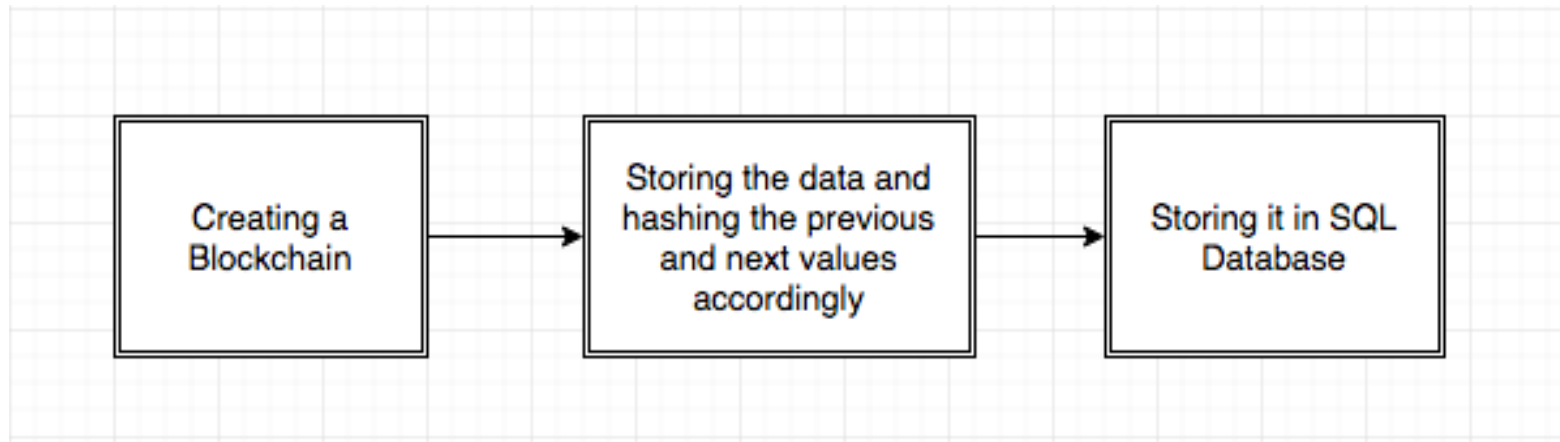
► **Mutual Agreement**

During agreement, they both mutually agree on the various parameters like the amount of land, quantity of crops, type of crops, etc to finalize the deal.

► **Variety of Options**

The investor gets all the details of the farmer who are interested in selling their crops or are looking for a company to invest in them.

Flow Diagram



Tech Stack

► Web Technologies

HTML

CSS

BOOTSTRAP - 4

JQUERY

PHP

SQL

Challenges we ran into

- ▶ One major challenge we faced was about thinking about a problem that our society faced in real life and propose a solution to the problem in order to make life easy for all
- ▶ We also faced a couple of problems while brainstorming about what exactly we need to incorporate in order to reach a good, effective and practical solution.
- ▶ We Faced some problems while debugging our project when some functionality of our project was not working up to the mark.
- ▶ The concept of blockchain was completely new to us. So learning it in the given time period and implementing it in our project was a big challenge for us.

Thank you