KODIKON -2.0

NETWORKING – HACKATHON – MENTORSHIP

EMBRIONE

Khet-tank.

The green revolution is not over yet..

Theme Agri FinTech

Cropitalists.

TEAM MEMBERS
- SATHVIK SM
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PROBLEM STATEMENT

The Indian Express

1,00,000 lakh crore (rupees) (approximate) debt on Punjab's farmers

10.53 lakh farming households in Punjab

10 lakh average debt on every farm household

6 lakh average income of a farm household

16,600 farmers and farm labourers died by suicide (as per a door to door study spanning 17 years by three Punjab universties)

88% farm suicides due to heavy debt

77% of victims were marginal and small farmers

35% farm households are marginal, small farmers

Thousands of farmers commit suicide every year as they are not able to repay the loans borrowed from banks and private lenders.

Emerging farm-based startups need to undergo a hassle and spend a lot of money in searching for the appropriate farmer and making sure they have a proper supply chain.

KODIKON - 2.0

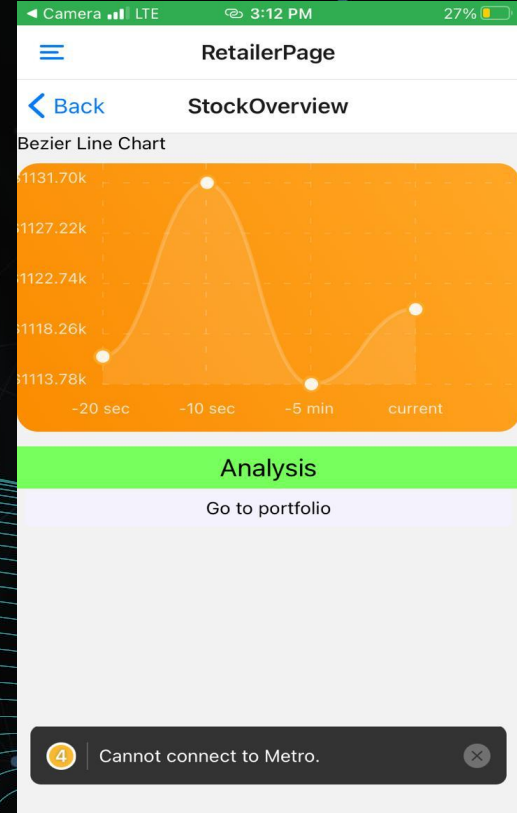# PROBLEM STATEMENT AND SOLUTION

Solution

- An open-investment app based around stock exchange model

- These investors can be anyone even the agri-retailers, who can invest in the land from where they get their produce, this will serve as a *capital investment* for the landowner.
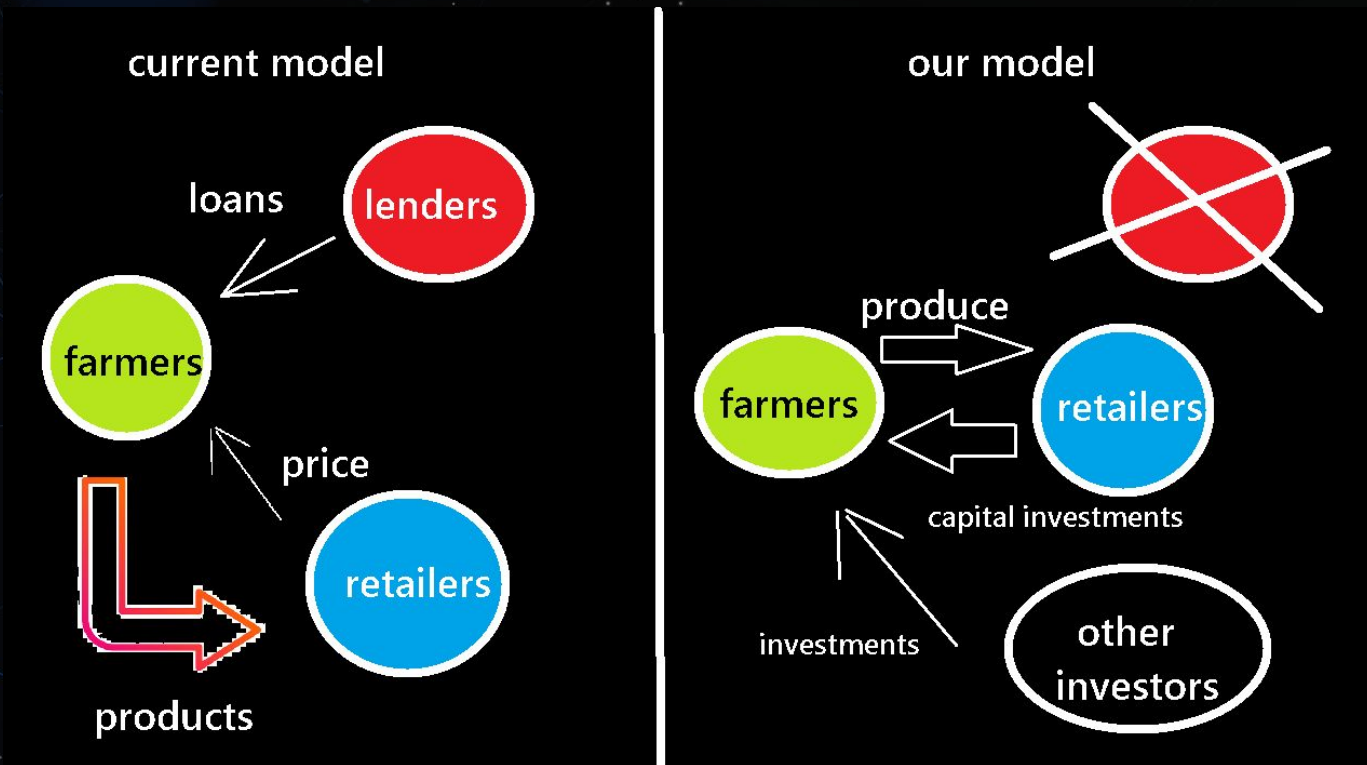
If enough investors pull out in hard times, we can provide a small-amount (when conditions are satisfied), this can be sourced from the govt CRF (Crisis Response Fund) .

Our USP is the real time stock updation graphs, that are displayed on a per crop basis.

How it is different.

TECH STACK

- *React native android app* -To build the app and UI. This will be a *two-part app, one view for landowner, one for retail-investor*. (android has the highest penetration in rural areas)
- Part A : Very straightforward and intuitive simple UI for farmer end to enter basic farm details, and *interact with retail-investors*, enter bank details, etc
- Part B: UI for retail-investors to browse through farms and view farm details, parameters, history, ratings , *landowner contacts and to invest in it.*
- Backend to support the apps- *node js server* we create that interacts with firebase , does data processing to determine trends and provide crop recommendations. *Behaves as an API for app.*

- *Firebase realtime database* - To store and update realtime agri-products price fluctuations, trends, farm profile details, investors details.

DOMAINS COVERED : Android App Development, realtime data management, trend analysis,

Backend Web Development

BUSINESS MODEL CANVAS

- On top of the free tier, build a paid tier only for *pro-investors*.
- Google Adsense revenue from app.
- Pro-investors can know about investment history of a particular landowner as well as do *distributed micro investments* amongst several landowners. This ensures diversification and less risk.

- Fragmented investments instead of one big transaction means more paperwork and organisation, hence this feature will be paid.

Legal documentation.

- Make the digital equivalent of relevant documentations suggested by the SEBI.

- To enforce the agreement and make it authentic.

- Cut the red tape

8. The stock broker shall send the order/trade confirmation through email to the client at his request. The client is aware that the order/ trade confirmation is also provided on the web portal. In case client is trading using wireless technology, the stock broker shall send the order/trade confirmation on the device of the client.

9. The client is aware that trading over the internet involves many uncertain factors and complex hardware, software, systems, communication lines, peripherals, etc. are susceptible to interruptions and dislocations. The Stock broker and the Exchange do not make any representation or warranty that the Stock broker's IBT Service will be available to the Client at all times without any interruption.

10. The Client shall not have any claim against the Exchange or the Stock broker on account of any suspension, interruption, non-availability or malfunctioning of the Stock broker's IBT System or Service or the Exchange's service or systems or non-execution of his orders due to any link/system failure at the Client/Stock brokers/Exchange end for any reason beyond the control of the stock broker/Exchanges.

Transaction id : 20230225-xyHkHDh
Investor : Balaji Naik
Landowner : Balchandra
Listing-id : 273BVYhhvHvHvvHU75gYr3DD35

FUTUTRE SCOPE

- We plan to partner up with a logistics partner and scale up our operations to longer distance operations.

- Once pushed to production we can collect the data from real world sources and that makes the analysis accurate.