#### **ORGANIZATION NAME:** CDK Global

| PROBLEM STATEMENT | : Portal for Farm | ners to sell their produ | ice at a <b>better rate</b> . | • |
|-------------------|-------------------|--------------------------|-------------------------------|---|
|                   |                   | •                        |                               |   |

System that provides farmers an interface to **sell** their product, and **connect** with the **buyers** all over India.

☐ Simple interface that works on smart devices, SMS to upload product details and respond via phone and SMS.

☐ Interface for anyone to buy the produce/vegetable — initially visit the place and buy or have courier service integrated to deliver the vegetables so Farmers can get a better price for their produce, no additional cost is spent in marketing and delivery of goods, however they can choose to charge more by delivering the items themselves.

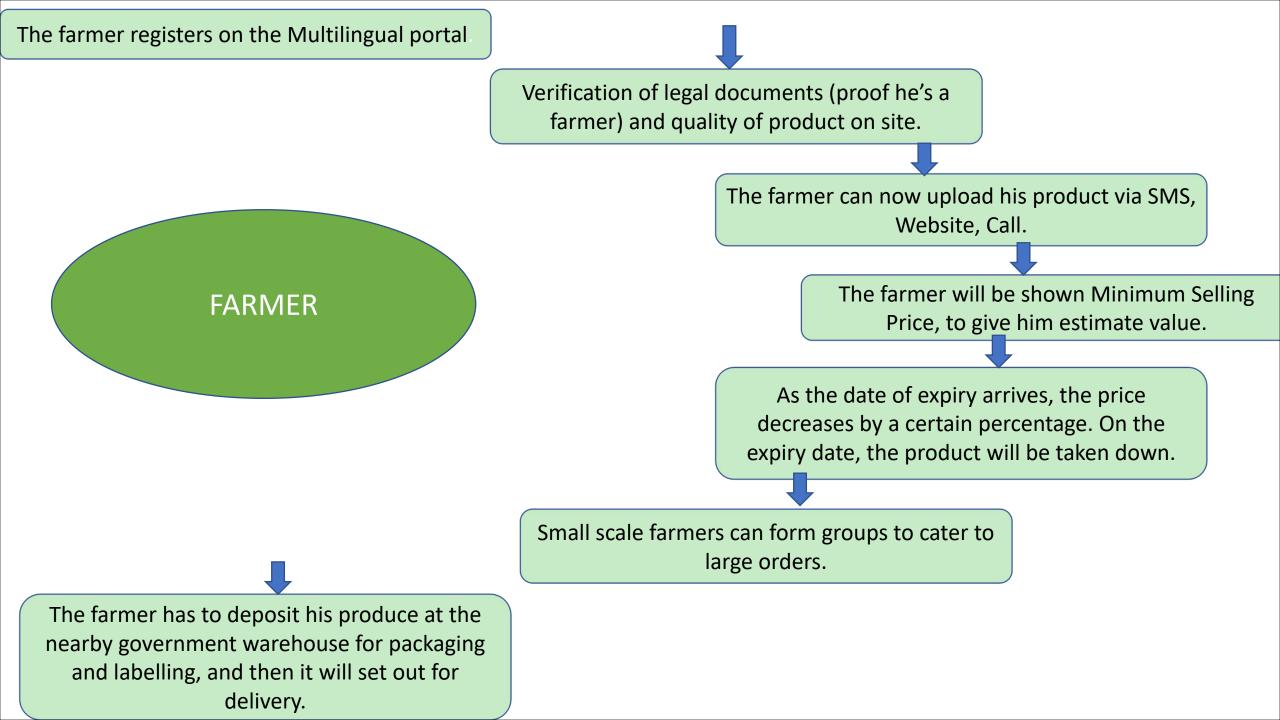
**PROBLEM CODE**: RA27

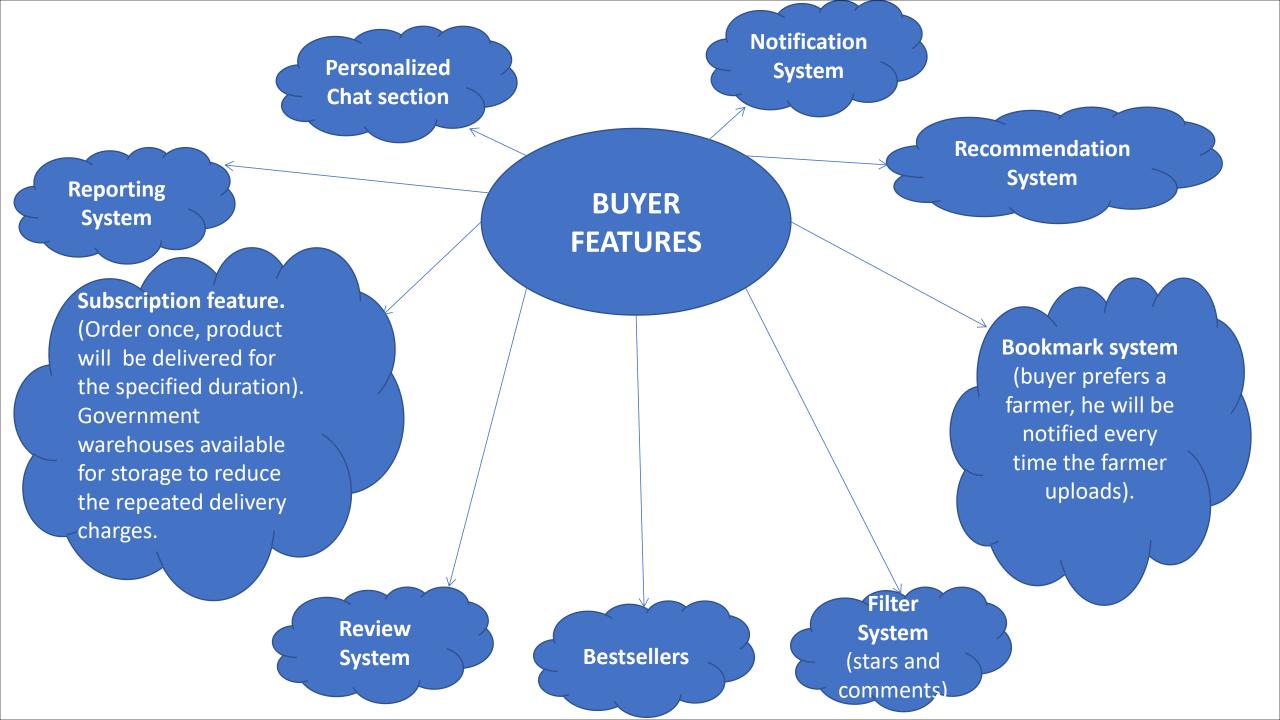
**TEAM LEADER NAME:** Abhishek Gupta

**COLLEGE CODE:** #2274

**TEAM NAME:** AgroCraft.

Agrocraft, is an online portal with a pure vision to consolidate farmers and buyers who can both be consumers or restaurant owners, and abolish the system of middlemen.



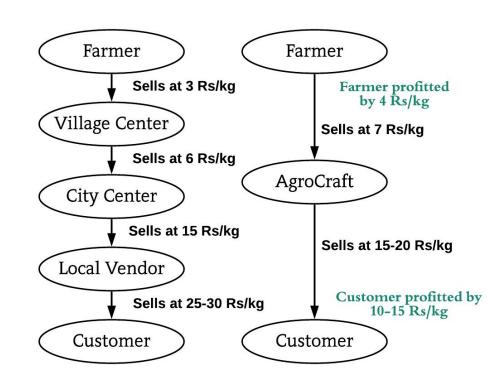


## **DELIVERY AND QUALITY VERIFICATION**

- ☐ The farmer is given the opportunity to deliver, if he chooses not to, delivery system are integrated for the delivery service.

  Buyer also has the option to pickup his order.
- The farmer has to take his products to the ware house nearest to his vicinity (rented by government at 7 Rs/ quintal) for packaging and labelling.
- Agrocraft will **verify the products at the warehouse**, package it and then label it.
- ☐ The delivery agent/buyer will pick it up from here or the farmer can now deliver his product.
- ☐ Top Courier services and Indian post (covers all regions in India) are available for delivery in the portal.

# CONVENTIONAL V/S AGROCRAFT



## **TECHNOLOGY STACK**

- ☐ Modern Technology: Big Data, Data Analytics, Visualization, Machine learning.
- ☐ Mobile Development:-Android Studio, Android SDK and Jellybean version and above.
- ☐ Backend Development : -MySQL Database and Firebase.
- ☐ Web Technology: HTML, CSS, JavaScript, AJAX, Bootstrap, Django and nodeJS
- ☐ **Programming languages**: Python.

**USE CASE** 

#### **FARMER** BUYER Registrartion Registrartion Login /erification (legal and quality) Order Placed Login Chat System SMS Courier Delivery Upload/Edit/ Mode Delete Bargain Transport product Services Externa Pickup **Delivers** Service Website Indian Post **Farmer** Confrims **Buyer** Confrims **Invoice Delivered**

#### **DEPENDENCIES**

- ☐ Farmer- basic phone and legal documents
- ☐ This application can be installed in all devices having Android version Jellybean and higher.
- ☐ An **online portal** generated shall require IE v9 or higher, Google Chrome, Mozilla Firefox, or any other **web browser.**

## **SHOWSTOPPERS**

- ☐ For the 47% of illiterate farmers, Multilingual SMS and Multilingual Call System has been designed.
- ☐ Farmer profits sells at better rates.
- ☐ Buyer profits buy at cheaper rates
- ☐ Transport systems profit increase of clients at their end.
- Buyers are **not restricted** to buy products from their **own city** anymore.
- Remote farmers come in contact with city buyers and they can negotiate using the chat system/call.