



A project report on  
mKrishi

**Submitted By**

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M.Sc. (Computer Science) Semester-IV

Submitted to

Savitribai Phule Pune University

for partial fulfillment of the requirement of M.Sc.(Computer Science)

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Principle:- Dr. J. D Sonkhaskar

Affiliated to Savitribai Phule Pune University

Awarded as the Best College by SPPU

NAAC Reaccredited A grade

## CERTIFICATE

This is to certify that the Project entitled  
mKrishi

We have been successfully completed by  
Maheshkumar Harishchandra Kori

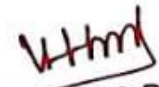
In partial fulfilment of the requirements for Industrial Training Project (CS – 401) Sem-IV of M. Sc. (Computer Science), post graduate degree to Savitribai Phule University for the academic year 2021-2022.

  
Project Guide

  
Head of the Department

  
External Examiner  
15/6/2022



  
Internal Examiner  
15/6/22

<b>Sr. No</b>	<b>Content</b>	<b>Page no</b>
<b>1</b>	Acknowledgment	<b>4</b>
<b>2</b>	Introduction <ul style="list-style-type: none"> <li>• Problem Statement and Motivation</li> <li>• Purpose/Objectives And Goals</li> <li>• Literature Survey</li> </ul>	<b>5</b>
<b>3</b>	Company Profile	<b>6</b>
<b>4</b>	Limitation Of System	<b>7</b>
<b>5</b>	Scope of System	<b>8</b>
<b>6</b>	System Analysis <ul style="list-style-type: none"> <li>• Existing System</li> <li>• Proposed System</li> <li>• Feasibility Study</li> <li>• Hardware and software requirements</li> </ul>	<b>9</b> <b>10</b> <b>11</b> <b>11</b>
<b>7</b>	System Design <ol style="list-style-type: none"> <li>1. ER Diagram</li> <li>2. Class Diagram</li> <li>3. Use a case Diagram</li> <li>4. Activity Diagram</li> <li>5. Sequence Diagram</li> <li>6. Collaboration Diagram</li> <li>7. Component Diagram</li> <li>8. Deployment Diagram</li> </ol>	<b>12</b> <b>13</b> <b>14-15</b> <b>16</b> <b>17</b> <b>18</b> <b>19</b> <b>20</b> <b>21</b>
<b>8</b>	Data Dictionary	<b>22-26</b>
	Input /Output Diagram	<b>27-30</b>
<b>9</b>	Future Enhancement	<b>31</b>
<b>10</b>	Bibliography	<b>32</b>

## Internship completion Letter



Date-: 14<sup>th</sup> June 2022

To,  
Mr. Mahesh Kori

### **KSKW College**

KSKW College,  
Uttamnagar, CIDCO, Nashik- 422008

This is to certify that Mr. Mahesh Kori has completed his 4 months of internship with Krios Info solution Pvt. Ltd from 08<sup>th</sup> February 2022 to 09<sup>th</sup> June 2022.

He worked under the direct supervision of Practice Head and got opportunities to work and proved himself. He is fast learner and learned our operation system and organizational culture quickly.

We wish him the best of luck for all his future endeavors.

**Yours Sincerely,**  
**For Krios Info Solutions Pvt. Ltd**

**Authorized Signatory**

**Krios Info solutions Pvt. Ltd.**  
B-604 Teerth Technospace,  
Mumbai Bangalore Highway,  
Baner, Pune 411045

**Regd. office:**  
Flat No. 4, Geeta Laxmi Apartment,  
Geeta Nagar, Mhasrul, Nashik 422003

Info@kriosipl.com  
www.kriosipl.com

## **Acknowledgement**

Any accomplishment requires the effort of many people and this project work is no different .I am highly obliged and grateful to all those who have helped me in the development of this project and provided all encouragement and dedication that have helped me immensely in my project work.

I sincerely thanks to Mr. Nitin Tile sir for giving me opportunities and training and his valuable guidance, help and encouragement in all aspects during my whole training.

I am also greatly indebted to Mr. Nitin Tile and other faculty for their kind help and cooperation in my project work.

I also like to thank for giving us much information needed to complete this project. he helped us to think in right direction.

## **INTRODUCTION**

This is project of mKrishi Management System. In this there are two panels one is Mobile App and second is Web Interface. When we go to login page of Web Interface there are multiple options to select user type in this Admin has complete access of Web portal, Coordinator Manages the Web Portal. LRP (Local Resource Person) this will lead the farmers

In that when we login there is feature called Employee Tracker when farmer turn on tracking we get the information about how many hours he had worked and as well as route. In that we can track the record of employee. By this feature we get the satellite view with latitude and longitude.

By going to feature on Replay on Map from this we can find from where to where he has travelled by selecting date.

In this system there is feature called Manage LRP .In this there is detailed form with User Name, Password, First Name, Mobile No, Device ID etc. In this Mobile no is important feature in that app will be installed from this app device id will be generated that helps to track farmer.

The data entry field gives the information about Farmers Crops.

From Geo Tagged Field the size (Hectors) of field can be measured. This data can be obtained by entering State Name, District Name, and Taluka Name etc. We can also download farmer data.

Field Survey feature is also available it shows the details of farmers farm. Images of some farms are also available.

## **Company Profile:-**

Krios Info Solution was founded in 2016. It helps clients achieve superior economic performance by building unparalleled business-critical capabilities with our technology solutions. It helps clients effectively respond to business performance challenges by leveraging our expertise in world-leading technology platforms and services delivered by the high performance of 300+ Kriosians. It draws intelligent platform solutions and professional services capability to evaluate client performance challenges, identify opportunity areas for change, and deliver the value expected by our clients.

## **SERVICES**

Salesforce, SAP, JAVA, .NET, Microsoft and Analytics.

## **VISION**

Our approach is to utilize a team of domain experts to work collaboratively to meet customer's product specifications and designs. This enables us to ensure the deliverable solutions that actually meet customers' expectations in the shortest possible time.

## **ADDRESS**

9, Shubham Park, Near Hotel Kopa Kabana and Lalit Medical, New Pandit Colony, Nashik  
422002

## **WEBSITE**

[www.kriosispl.com](http://www.kriosispl.com)

## **EMAIL**

[hr@kriosispl.com](mailto:hr@kriosispl.com)

## **TELEPHONE**

+ 91-8956309929

## **Problem Statement And Motivation**

In a proposed system the client don't need so much content that are available in the existing system. The fields such as in login section there are extra users are added which are sr. coordinate,

Co-ordinate and BM which are not required by the client needs to combine sr. co-ordinate and coordinator in single fields name as manager.

Client also don't need the BM fields (board member) which is basically farmer. So we just update the existing system and change that field which are not required by the client.

## **Objective & Goals**

The Goal of mKrishi is to create a goggle for rural India by collecting, managing and leveraging a wide range of data related to farming.

The vision is to establish and empower micro enterprises through the mKrishi platform to reach a large number of farmers.

The platform aims to enable farmers to access personalize agricultural advance and information anytime and anywhere better information and reduce uncertainty can lead to increased yields, reduced cost, improve market and also farming efficiency.



## **Literature Survey**

The literature review of this project was conducted during summer of 2022. The primary focus on literature addressing the development of mKrishi . However the literature that generally discusses emissions modeling inputs, including data resources, data collection method, and processing method, was included as long as it is relevant to development of mKrishi.

The sources that provide guidance generally accessible to practitioners on the development of mKrishi.

Sources describing the use of specific data collection method or study such as videos, case studies (e.g.:- mKRISHI piggy: a case study on early warning system (EWS) for disaster communication and management)

## **Limitation of System**

- During fieldwork, we were only able to meet with 20 farmers and get three to four success stories. This sample size is small and any conclusions we can draw from these will be indicative.
- We were unable to meet with all stakeholders, especially those who are losing out in the new value chain, because mKRISHI® field officers (who were our hosts for fieldwork) were not welcome in their stores
- Due to the limited depths and scope of data collection undertaken for this report, the nature of B.P.O level data is indicative

## **Scope Of System**

mKrishi System is intended for agricultural business.

It provides various feature such as Geo Tagging and Tracking, get farmers Survey.

mKrishi offers personalized and integrated services in local languages to farmers on their mobile. The service aims to enable farmers in remote areas to connect to their stakeholder, access good quality agriculture inputs, find advice on farming practices and get information on market prices weather and other information that can help in planning and boosting yields.

## Existing System

This is project of mKrishi Management System. In this there are two panels one is Mobile App and second is Web Interface. When we go to login page of Web Interface there are multiple options to select user type in this Admin has complete access of Web portal, Coordinator Manages the Web Portal. LRP (Local Resource Person) this will lead the farmers

CEO track LRP. 1 CEO contains many L.R.P under that region.

Check or track live location, relay on map, track route date wise and time wise with speed.

CEO can create LRP.

CEO trace location of L.R.P according to its device id that is when he install app in mobile

CEO add farmer details.

CEO monitor the LRP visiting details i.e. which country he should visit or state or survey area, Village also.

Report generate which include all farmer details but particular F.P.C farmer details are not download yet.

By going to feature on Replay on Map from this we can find from where to where he has travelled by selecting date.

In this system there is feature called Manage LRP .In this there is detailed form with User Name, Password, First Name, Mobile No, Device ID etc. In this Mobile no is important feature in that app will be installed from this app device id will be generated that helps to track farmer.

The data entry field gives the information about Farmers Crops.

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Field Survey feature is also available it shows the details of farmers farm. Images of some farms are also available.

## **Proposed System**

In a proposed system the client don't need so much content that are available in the existing system. the fields such as in login section there are extra users are added which are sr. coordinate.

Coordinator and BM which are not required by the client needs to combine sr. co-ordinate and coordinator in single field name as manager.

Client also don't need the BM felid (board member) which is basically farmer. So we just update the existing system and change that field which are not required by the client.

-land measurement take from the geo tagging that will gives the accurate measurement.

## **Clients Requirement**

- -geo tagging, tracking, data entry, report generations □ -it create and assign L.R.P in one time □ -One page contain all farmer details.
- -land measurement take from the geo tagging that will gives the accurate measurement.

## **FEASIBILITY STUDY:**

The feasibility study is useful to evaluate the cost and benefits of applications requested. There are three aspects of feasibility study.

### **Technical Feasibility: -**

To design mKrishi the basic requirements are the knowledge of Java, spring-boot framework, angular for designing, and other technical knowledge. Based on the related technical information and resources for framework on the market, and equipped with technical personnel of technology and spirit of willing to learn the technology is feasible.

### **Operational Feasibility: -**

The system is easily understandable. The users are present with a friendly user interface that helps them to understand the flow of the system more easily

### **Economical Feasibility: -**

The presence of hardware, software, and various technical equipment reduced our cost as compared to the total work for the system. Hence the system is economically feasible

# **Hardware And Software Requirements**

## **Hardware Requirement**

- RAM-4GB
- Intel CORE i5
- Printer for printing reports.

## **Software Support**

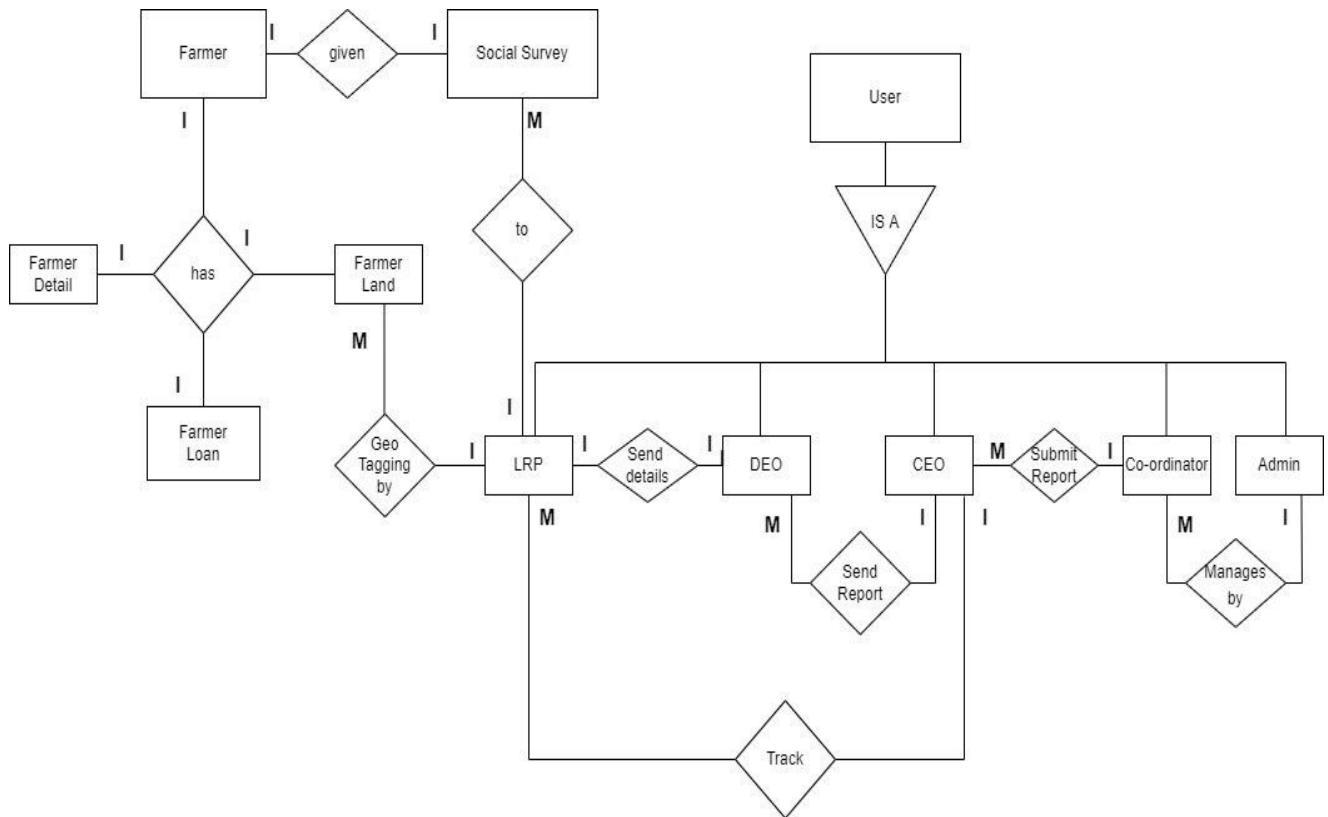
- Operating System: Windows
- :Spring Boot Tool
- :MySQL
- : Workbench, Postman.

## **Technology: -**

- Front End: - Angular, CSS, Bootstrap.
- Back End: - Java, Spring Boot, MySQL, Google API.

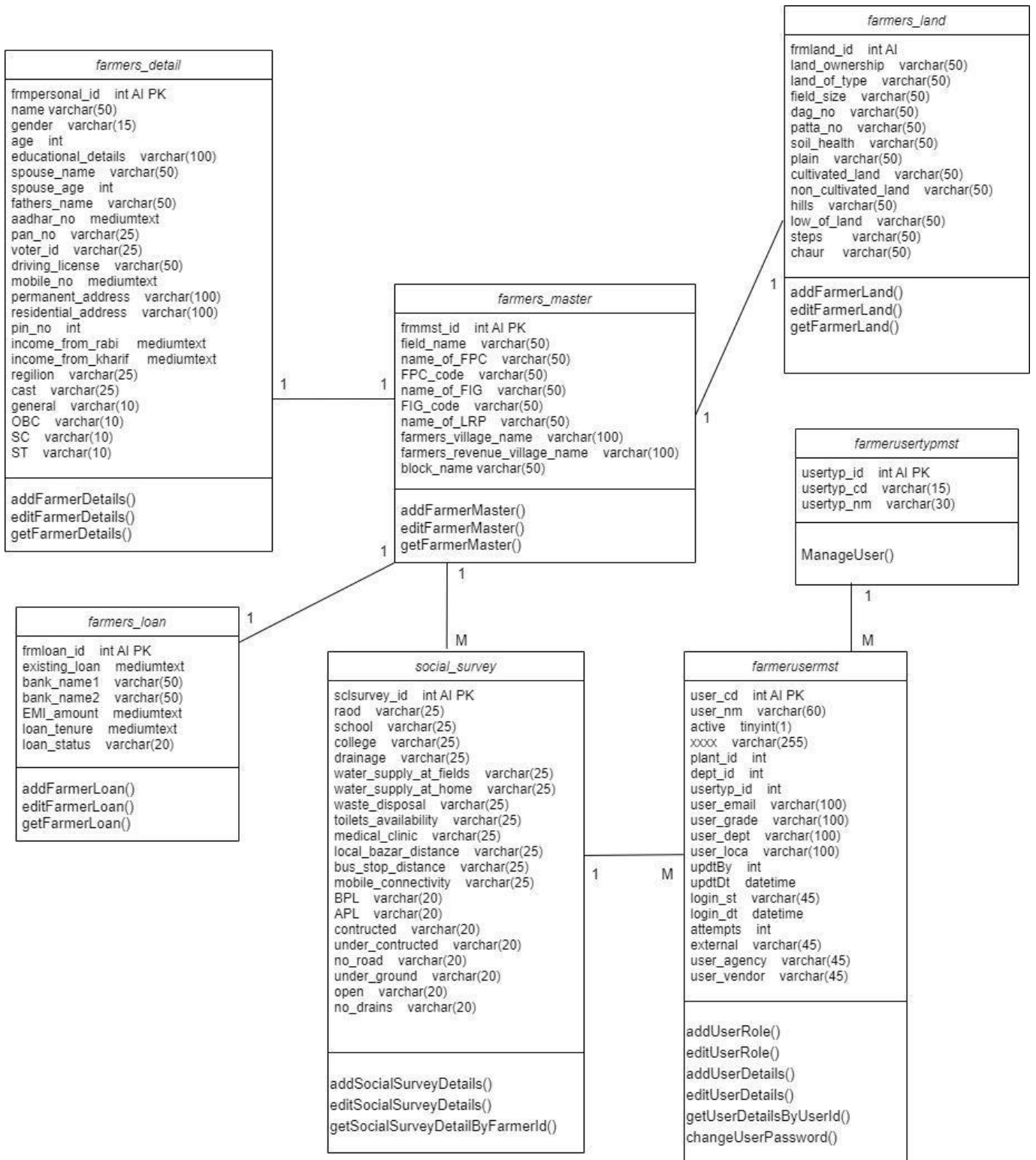
# **UML DIAGRAMS**

## ER-Diagram

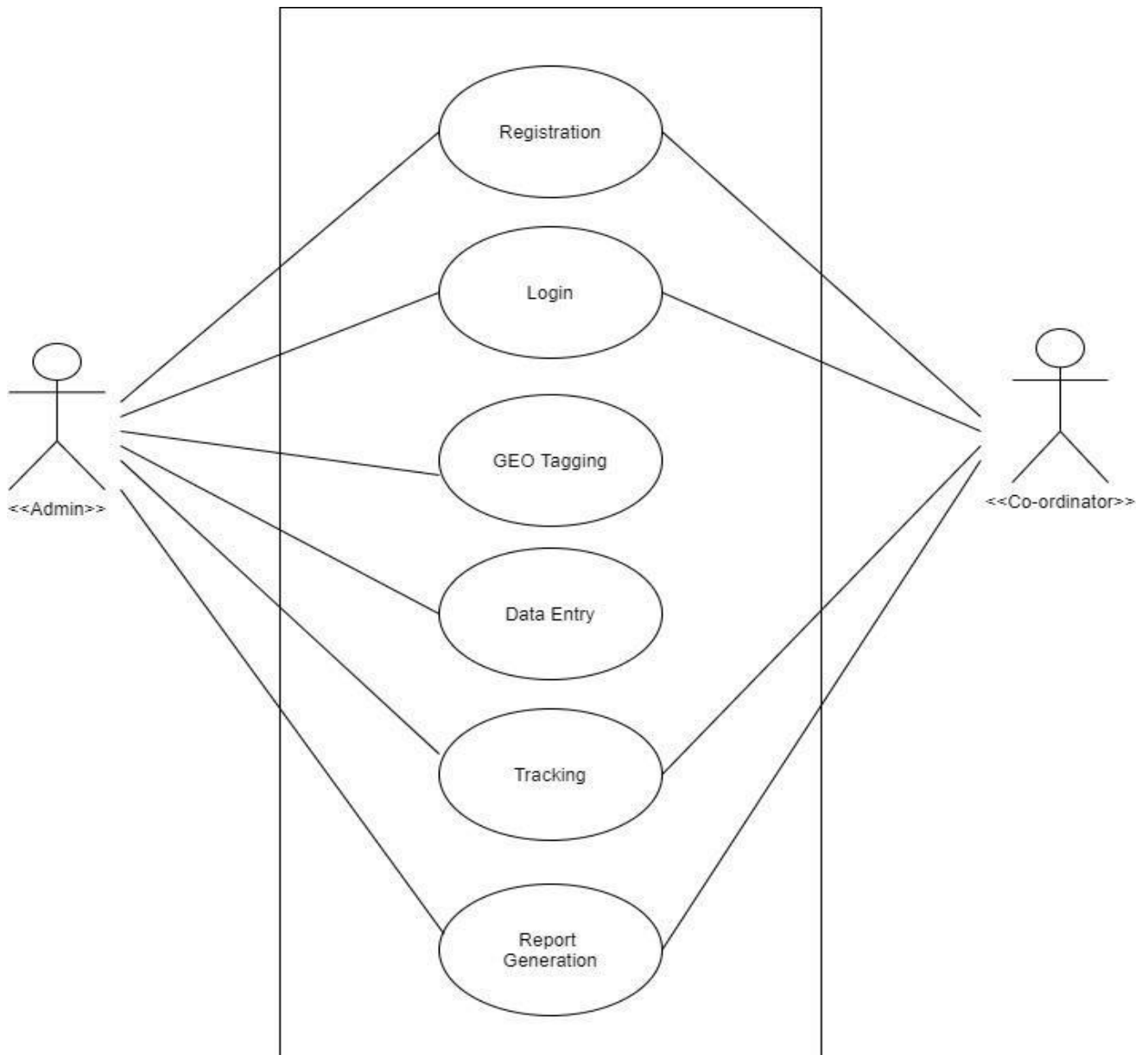


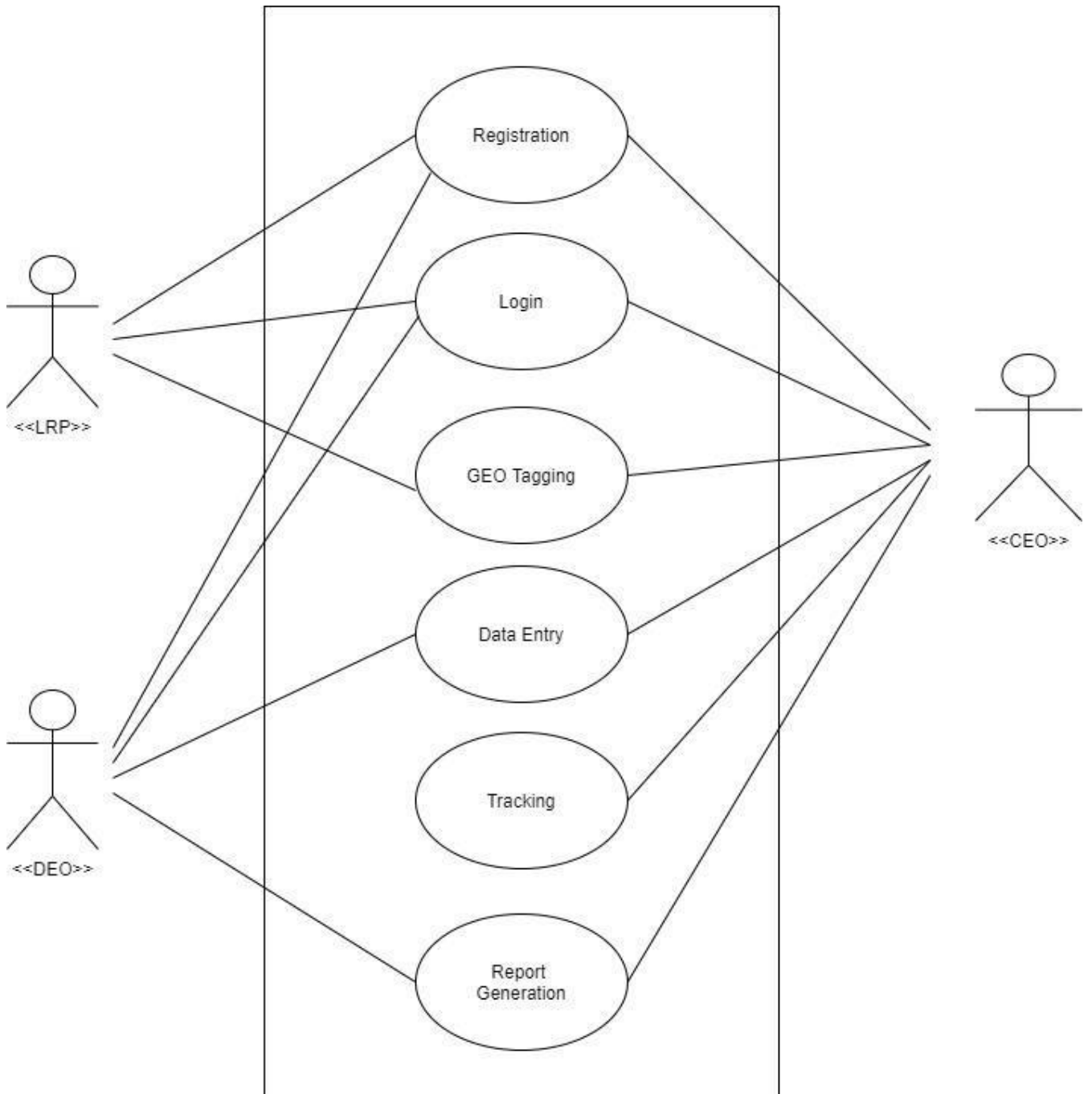


# CLASS DIAGRAM

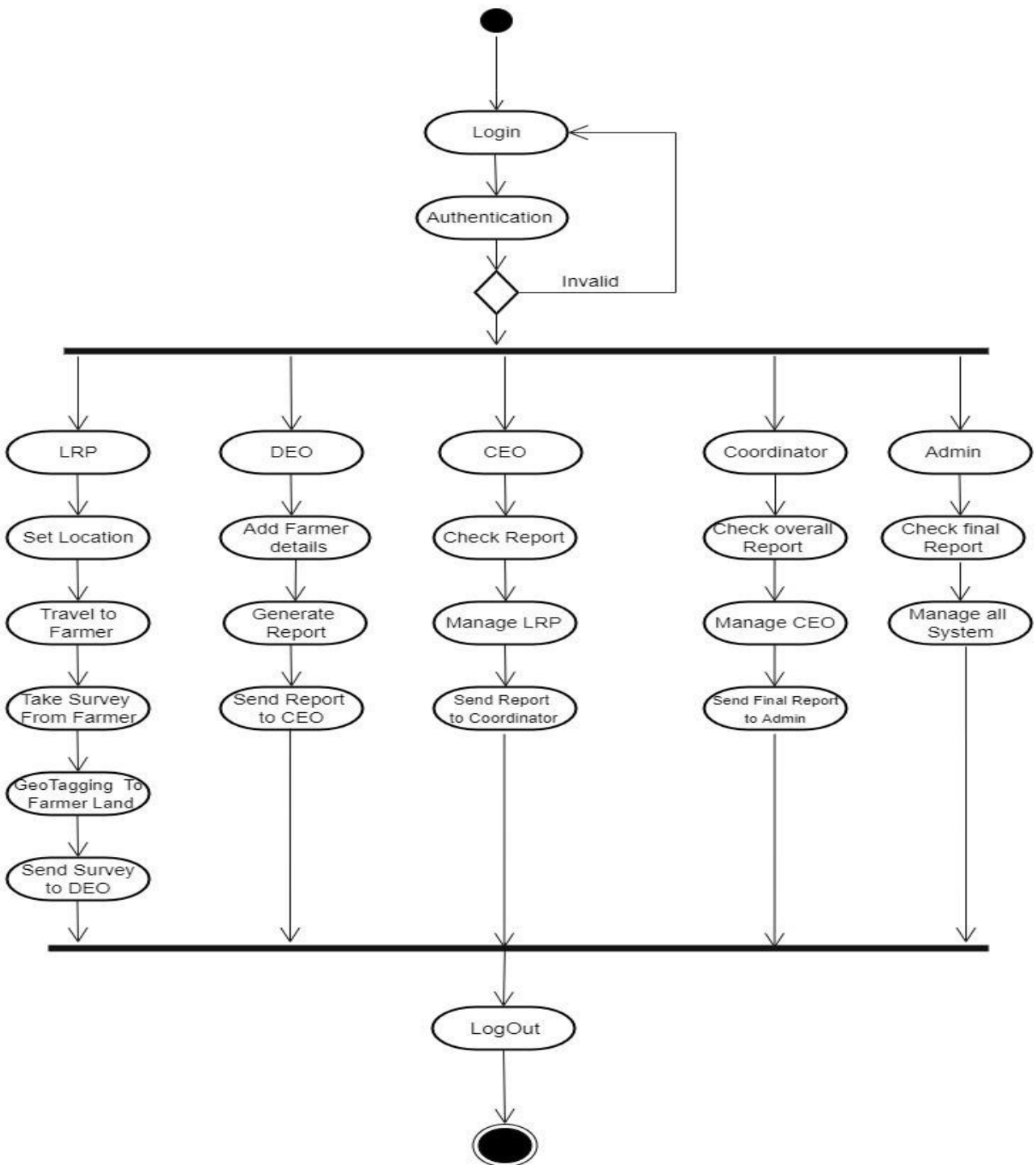


## USE CASE DIAGRAM :-

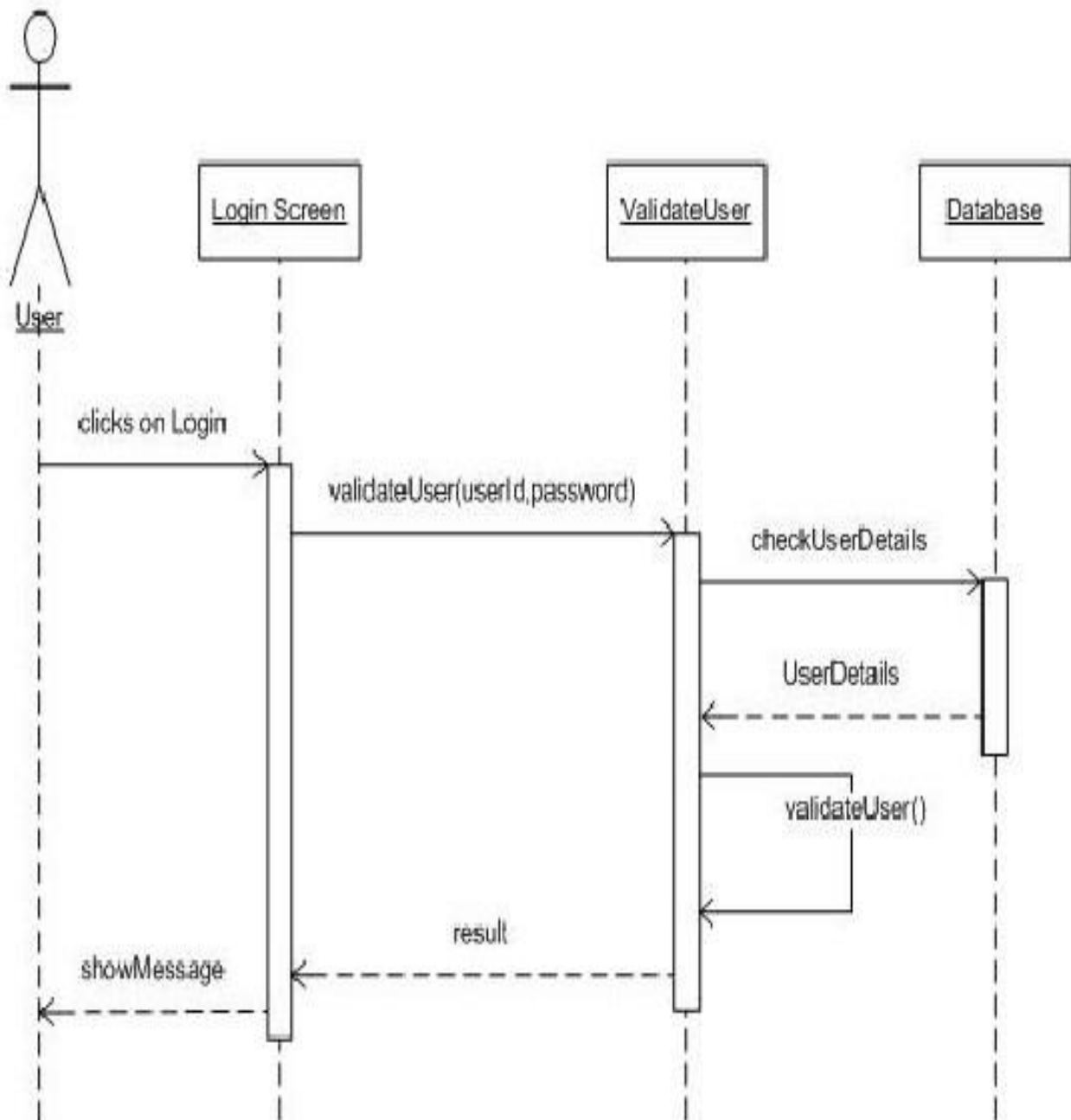




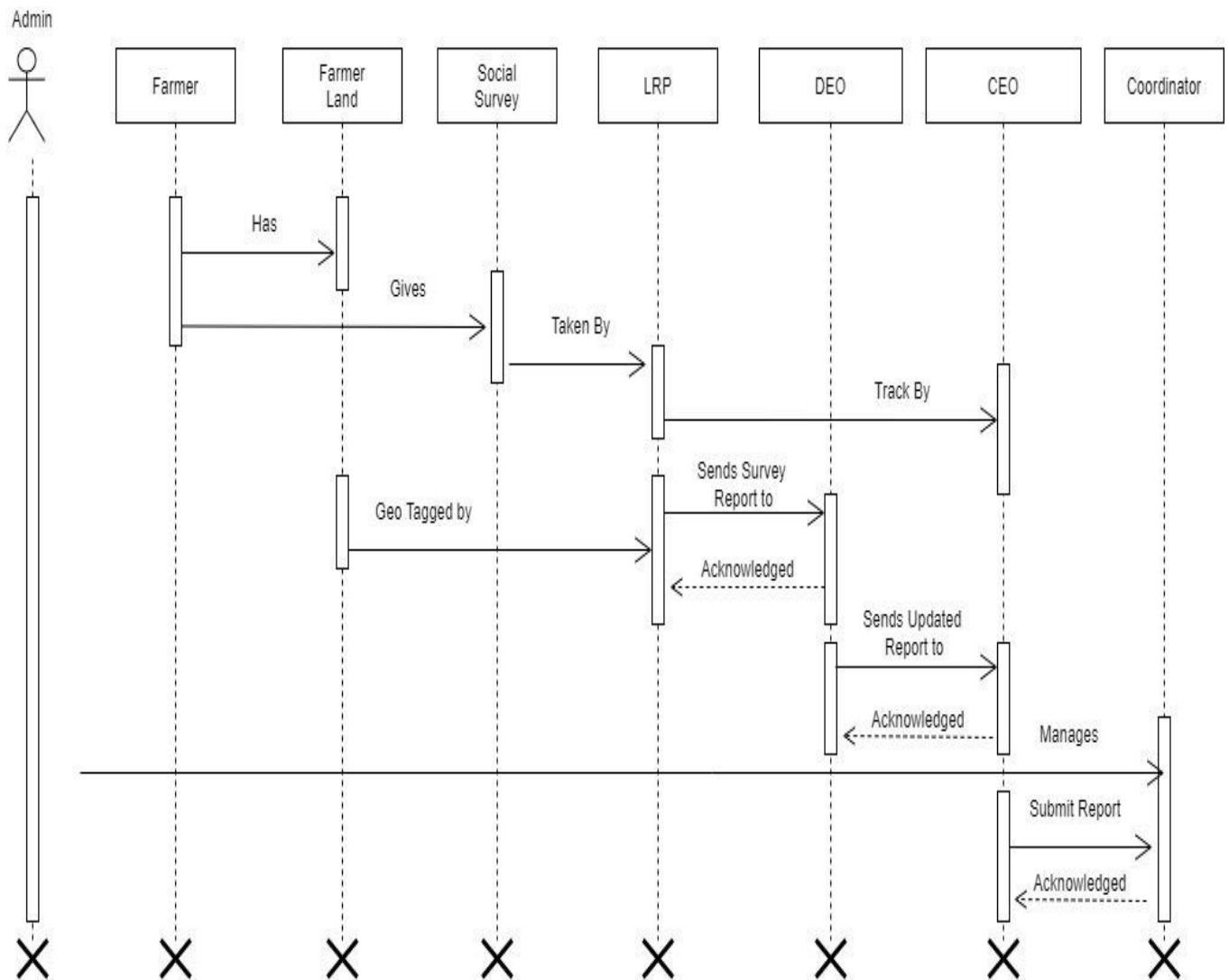
# ACTIVITY DIAGRAM



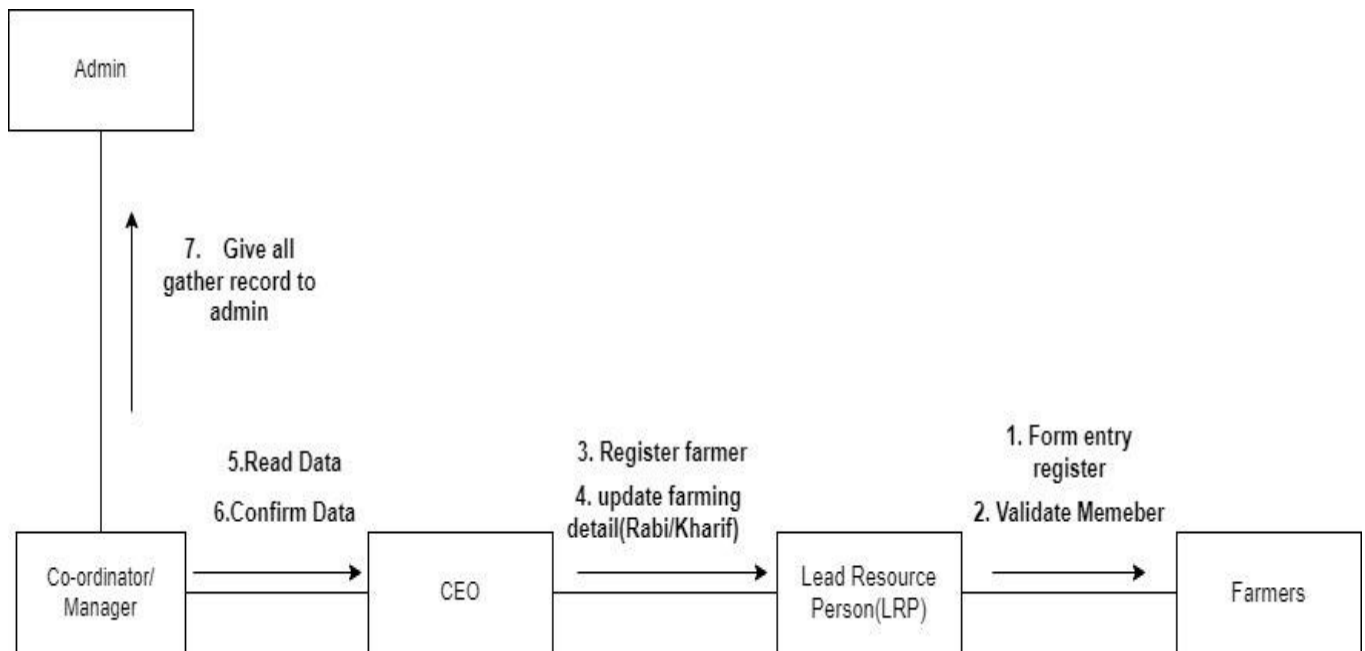
## SEQUENCE DIAGRAM:- USER SIDE



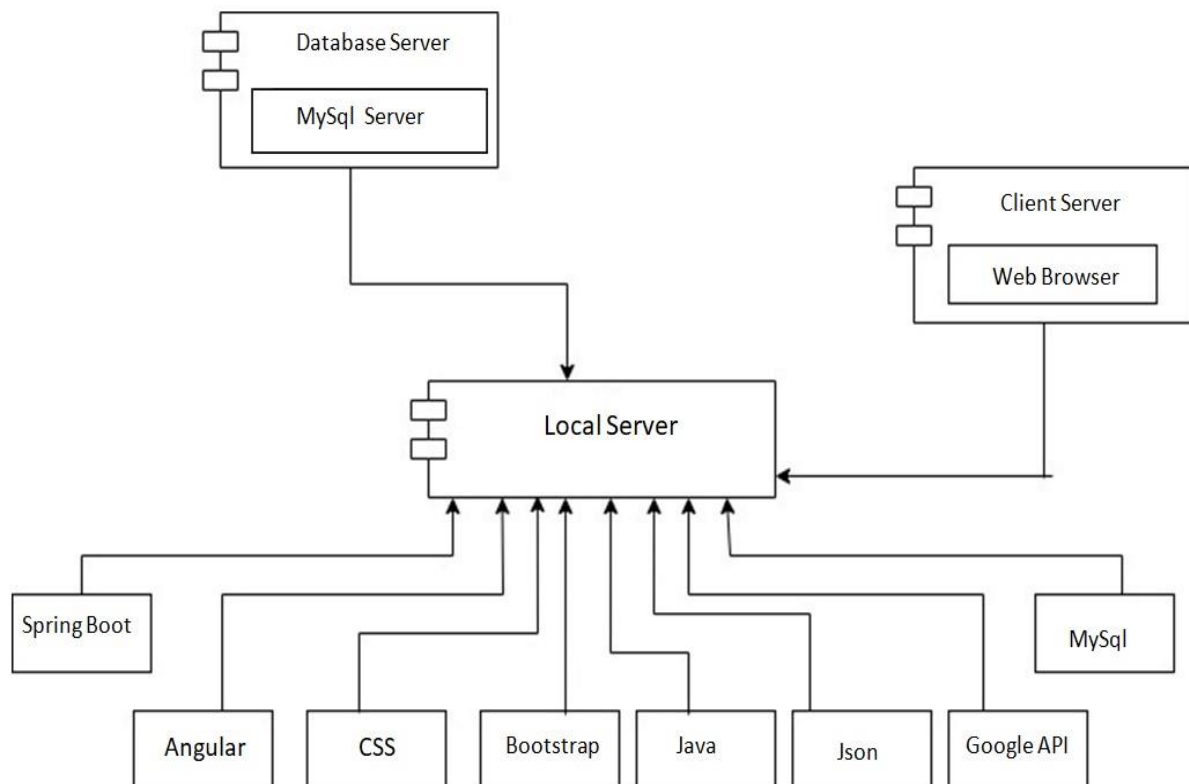
## SEQUANCE DIAGRAM:- ADMIN SIDE



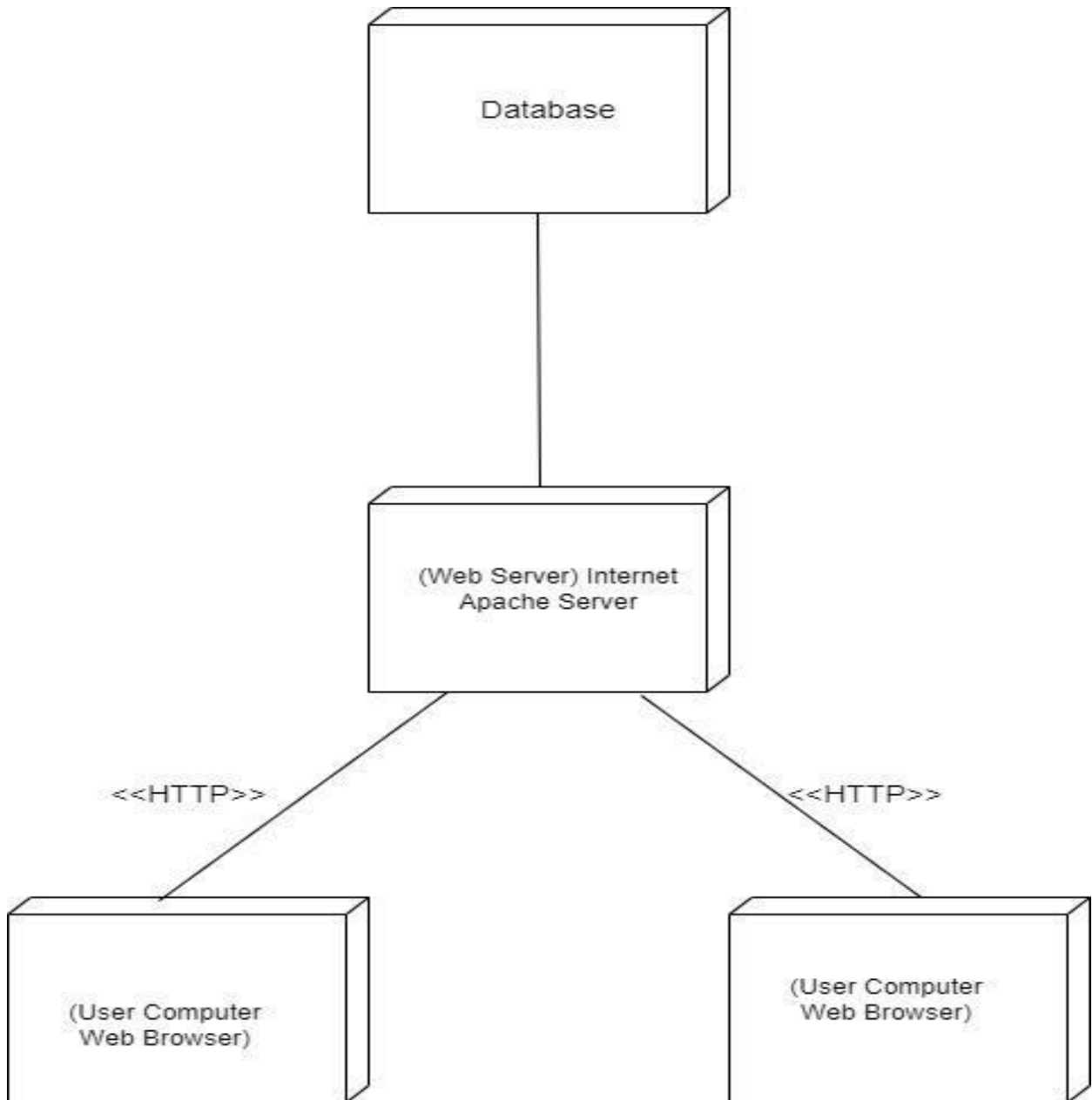
## Collaboration Diagram



## Component Diagram



## DEPLOYMENT DIAGRAM





## Data Dictionary :

### Farmer Crop Details

<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	farm_crop_id	int	Primary Key/NOT NULL
2	farmer_id	int	Foreign Key/NOT NULL
3	seasonal_type	varchar(10)	NOT NULL
4	parential_type	varchar(10)	NOT NULL
5	cash_crop_type	varchar(10)	NOT NULL
6	crop_details	varchar(20)	NOT NULL
7	sowing_time	time	NOT NULL
8	harvesting_time	time	NOT NULL
9	inter_cultivate	varchar(20)	NOT NULL
10	Yield	varchar(20)	NOT NULL
11	created_date	date	NOT NULL
12	created_by	varchar(45)	NOT NULL
13	updated_by	varchar(45)	NOT NULL
14	updated_date	date	NOT NULL

## Farmer

### Family Family Details

Sr. No	Field Name	Field Type	Description
1	farm_family_id	int	Primary Key/NOT NULL
2	farmer_id	int	Foreign Key/NOT NULL
3	no_of_family_members	int	NOT NULL
4	no_of_children	int	NOT NULL
5	no_of_son	int	NOT NULL
6	no_of_daughter	Int	NOT NULL
7	education_son	varchar(10)	NOT NULL
8	education_daughter	varchar(10)	NOT NULL
9	age_child1	varchar(10)	NOT NULL
10	age_child2	varchar(10)	NOT NULL
11	age_child3	varchar(10)	NOT NULL
12	engaged_in_cultivation	varchar(20)	NOT NULL
13	created_by	varchar(45)	NOT NULL
14	created_date	Date	NOT NULL
15	updated_date	Date	NOT NULL
15	updated_by	varchar(45)	NOT NULL

## Farmer

### Farmer Income Details

<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	farm_income_id	Int	Primary Key
2	farmer_id	Int	Foreign Key
3	bank_name1	varchar(50)	NOT NULL
4	account_no1	varchar(25)	NOT NULL
5	IFSC_code1	varchar(15)	NOT NULL
6	bank_name2	varchar(50)	NOT NULL
7	account_no2	varchar(25)	NOT NULL
8	IFSC_code2	varchar(15)	NOT NULL
9	income_from_rabi	varchar(50)	NOT NULL
10	income_from_kharif	varchar(50)	NOT NULL
11	income_from_rabi_present	varchar(45)	NOT NULL
12	income_from_rabi_previous_year	varchar(45)	NOT NULL
13	income_from_rabi_before_two_year	varchar(45)	NOT NULL
14	income_from_kharif_present	varchar(45)	NOT NULL
15	income_from_kharif_previous_year	varchar(45)	NOT NULL
16	income_from_kharif_before_two_year	varchar(45)	NOT NULL
17	created_date	Date	NOT NULL
18	created_by	varchar(50)	NOT NULL
19	updated_date	Date	NOT NULL
20	updated_by	varchar(50)	NOT NULL

## Farmer

### Farmer Land Details

<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	farm_land_id	int	Primary Key
2	farmer_id	int	Foreign Key
3	land_ownership	varchar(50)	NOT NULL
4	field size	varchar(50)	NOT NULL
5	dag_no	varchar(50)	NOT NULL
6	patta_no	varchar(50)	NOT NULL
7	soil_health	varchar(50)	NOT NULL
8	land_type	varchar(50)	NOT NULL
9	created_date	date	NOT NULL
10	created_by	varchar(45)	NOT NULL
11	updated_date	date	NOT NULL
12	updated_by	varchar(45)	NOT NULL

## Farmer Loan Details

<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	farm_loan_id	int	Primary Key/NOT NULL
2	farmer_id	int	Foreign Key
3	existing_loan	varchar(50)	NOT NULL
4	bank_name1	varchar(50)	NOT NULL
5	bank_name2	varchar(50)	NOT NULL
6	EMI_amount	varchar(50)	NOT NULL
7	loan_tenure	varchar(50)	NOT NULL
8	loan_status	varchar(20)	NOT NULL
9	created_date	date	NOT NULL
10	created_by	varchar(45)	NOT NULL
11	updated_date	date	NOT NULL
12	updated_by	varchar(45)	NOT NULL

## Farmer Master Details

<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	farmer_id	int	Primary Key/NOT NULL
2	name_of_FPC	varchar(50)	NOT NULL
3	FPC_code	varchar(50)	NOT NULL
4	name_of_FIG	varchar(50)	NOT NULL
5	FIG_code	varchar(50)	NOT NULL
6	name_of_LRP	varchar(50)	NOT NULL
7	farmers_village_name	varchar(50)	NOT NULL
8	farmers_revenue_village_name	varchar(100)	NOT NULL
9	block_name	varchar(100)	NOT NULL
10	created_date	Date	NOT NULL
11	created_by	varchar(45)	NOT NULL
12	updated_date	Date	NOT NULL
13	updated_by	varchar(45)	NOT NULL

### Farmer Personal Details

Sr. No	Field Name	Field Type	Description
1	farm_persnal_id	int	Primary Key
2	farmer_id	Int	Foreign Key
3	Name	varchar(50)	NOT NULL
4	Gender	varchar(20)	NOT NULL
5	Age	Int	NOT NULL
6	educational qualification	varchar(50)	NOT NULL
7	spouse_name	varchar(50)	NOT NULL
8	spouse_age	Int	NOT NULL
9	fathers_name	varchar(25)	NOT NULL
10	aadhar_no	varchar(50)	NOT NULL
11	pan_no	varchar(20)	NOT NULL
12	voter_id	varchar(20)	NOT NULL
13	driving license	varchar(20)	NOT NULL
14	mobile_no	varchar(50)	NOT NULL
15	permanent_address	varchar(100)	NOT NULL
16	residential_address	varchar(100)	NOT NULL
17	pin_no	Int	NOT NULL
18	Religion	varchar(20)	NOT NULL
19	Cast	varchar(20)	NOT NULL
20	created_date	Date	NOT NULL
21	created_by	varchar(45)	NOT NULL
22	updated_date	Date	NOT NULL

## Farmer property Details

Sr. No	Field Name	Field Type	Description
1	farm_property_id	Int	Primary Key/NOT NULL
2	farmer_id	Int	Foreign Key
3	cultivated land	varchar(50)	NOT NULL
4	non cultivated_land	varchar(50)	NOT NULL
5	Pond	varchar(25)	NOT NULL
6	residential_land	varchar(50)	NOT NULL
7	created_date	Date	NOT NULL
8	created by	varchar(45)	NOT NULL
9	updated_date	Date	NOT NULL
10	updated_by	varchar(45)	NOT NULL

## User Daily Visit Details

Sr. No	Field Name	Field Type	Description
1	daily_visit_id	int	Primary Key/NOT NULL
2	farmer_id	Int	Foreign Key
3	start_date_time	Timestamp	NOT NULL
4	end_date_time	Timestamp	NOT NULL
5	login_id	Varchar(50)	NOT NULL



## Social survey Details

<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	social_survey_id	Int	Primary Key/ NOT NULL
2	farmer_id	int	Foreign Key
3	road	varchar(1)	NOT NULL
4	school	char(1)	NOT NULL
5	college	char(1)	NOT NULL
6	drainage	varchar(1)	NOT NULL
7	water_supply_at_fields	char(1)	NOT NULL
8	water_supply_at_home	char(1)	NOT NULL
9	waste disposal	char(1)	NOT NULL
10	toilets_availability	char(1)	NOT NULL
11	medical_clinic	char(1)	NOT NULL
12	local_bazar_distance	varchar(50)	NOT NULL
13	bus_stop_distance	varchar(50)	NOT NULL
14	mobile_connectivity	char(1)	NOT NULL
15	type_of_network	varchar(10)	NOT NULL
16	created_date	Date	NOT NULL
17	created_by	varchar(50)	NOT NULL
18	updated_date	Date	NOT NULL
19	updated_by	varchar(50)	NOT NULL

## State Details

<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	state_id	Int	Primary Key/ NOT NULL
2	st_name	varchar(45)	NOT NULL

## User location Details

<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	id	Int	Primary Key/ NOT NULL
2	daily_visit_id	int	Foreign Key
3	latitude	decimal(20,6)	NOT NULL
4	longitude	decimal(20,6)	NOT NULL
5	distance	decimal(20,6)	NOT NULL
6	login_id	varchar(50)	NOT NULL

## User Role Details

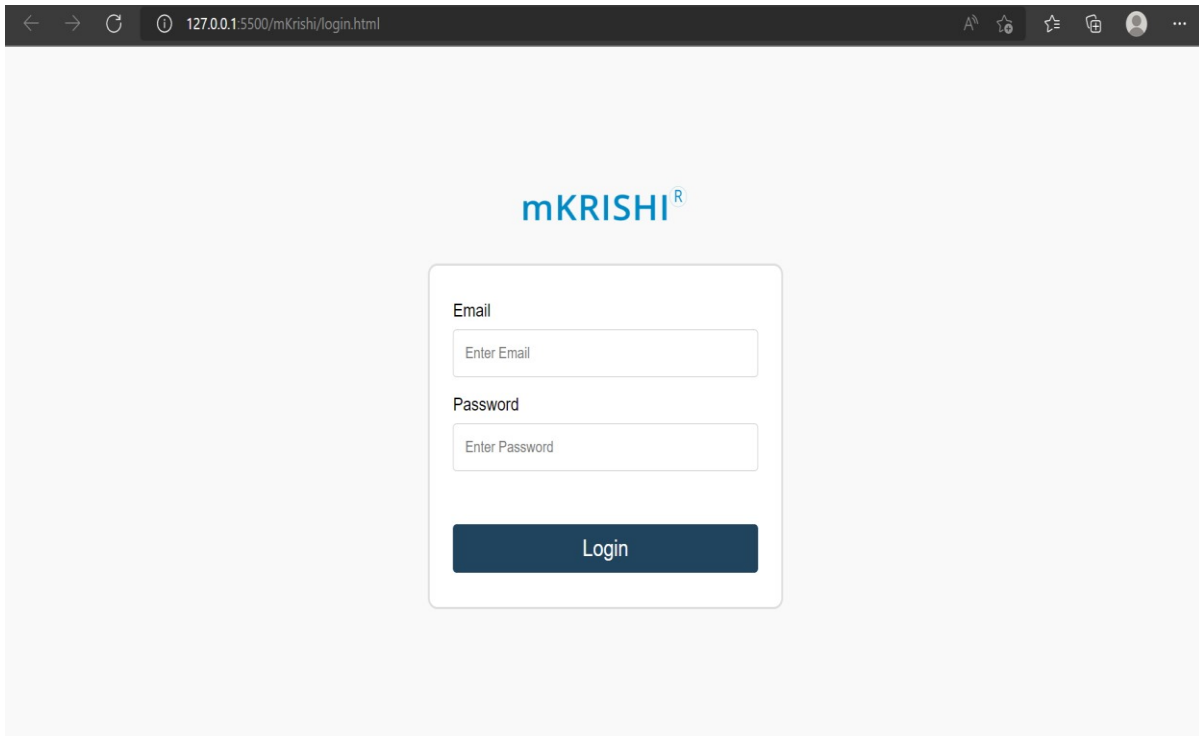
<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	role_id	Int	Primary Key/ NOT NULL
2	role_name	varchar(50)	NOT NULL
3	role_desc	varchar(50)	NOT NULL
4	is_active	varchar(50)	NOT NULL
5	is_deleted	varchar(50)	NOT NULL
6	created_date	date	NOT NULL
7	created_by	varchar(45)	NOT NULL
8	update_Date	Date	NOT NULL
9	login_id	varchar(255)	NOT NULL

## User Master Details

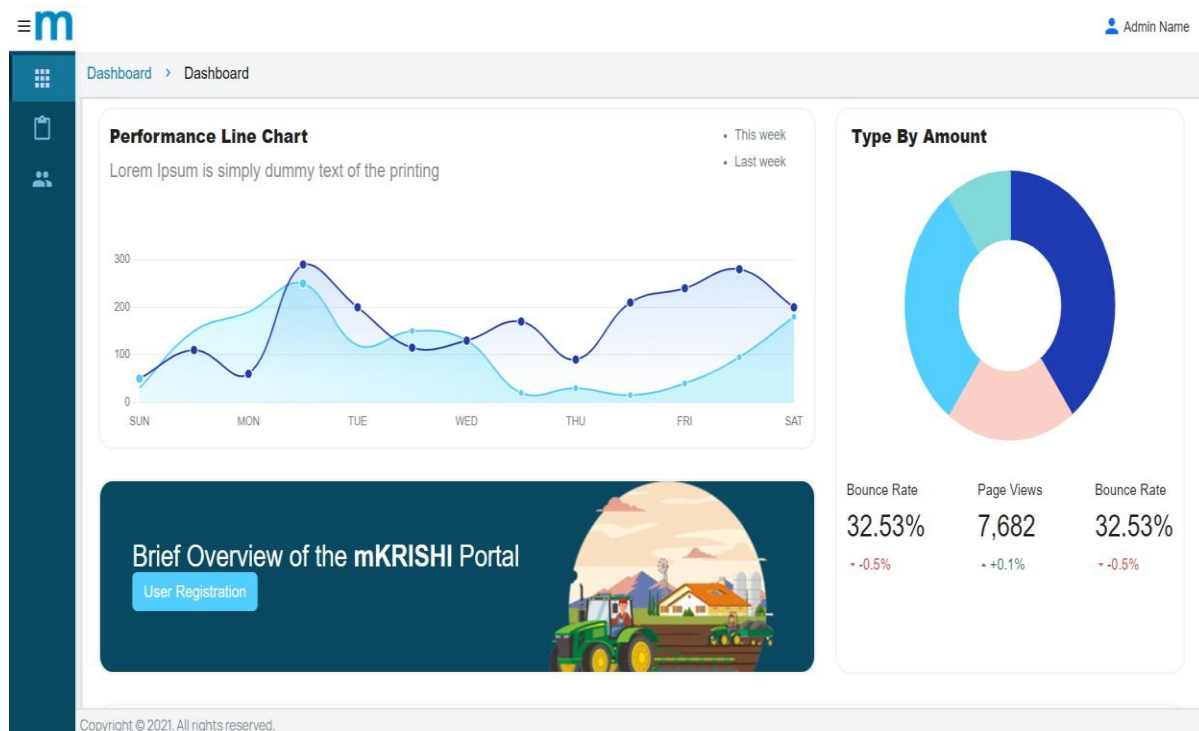
<b>Sr. No</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Description</b>
1	Id	int	Primary Key
2	role_id	Int	Foreign Key
3	title	varchar(50)	NOT NULL
4	first_name	varchar(50)	NOT NULL
5	middle_name	varchar(50)	NOT NULL
6	last_name	varchar(50)	NOT NULL
7	email_id	varchar(45)	NOT NULL
8	mob_no	Int	NOT NULL
9	comm_lang	varchar(50)	NOT NULL
10	user_id	varchar(50)	NOT NULL
11	password	varchar(45)	NOT NULL
12	created_date	date	NOT NULL
13	created_by	varchar(45)	NOT NULL
14	update_date	date	NOT NULL
15	login_id	varchar(50)	NOT NULL

# INPUT OUTPUT SCREEN

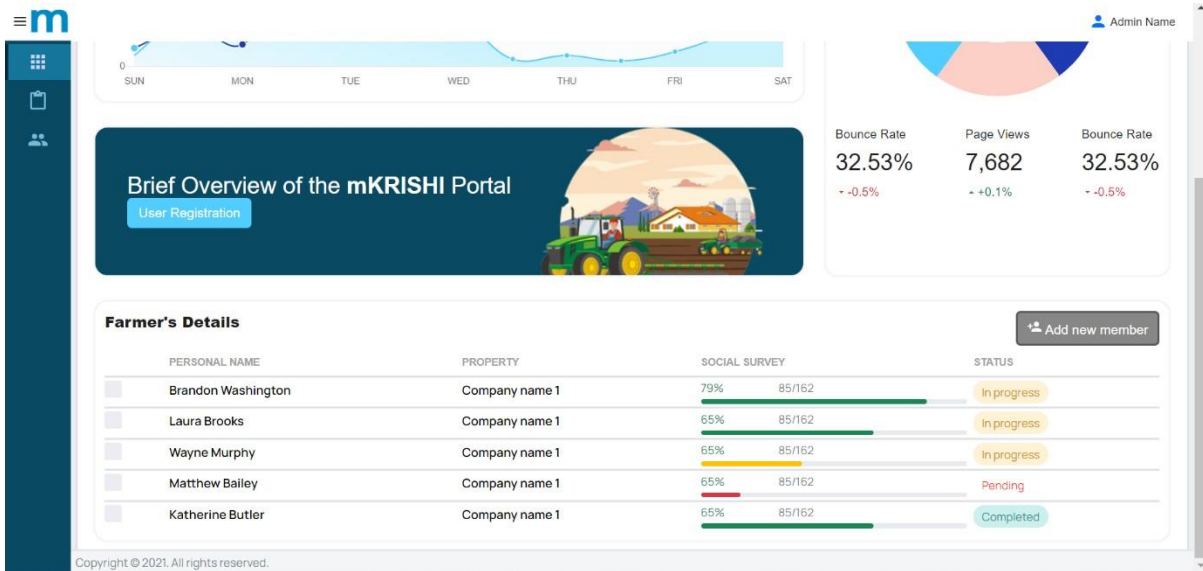
## Login Page



## Admin Dashboard



## Added Farmers details present on dashboard



## Creating a new User Role:-

The 'User Registration' form is displayed in a greyed-out state. A modal window titled 'Create New Role' is open in the foreground. The modal contains the following fields:

- Role Name\* (text input)
- description (text area)
- Save (green button)
- Clear (grey button)

The background form includes fields for Title\*, Last Name\*, Email Id\*, User Id\*, Roles\*, Middle Name\*, Mobile Number\*, and Enter Password. At the bottom of the form are 'Create New Role' and 'Submit' buttons.

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## Farmer Personal Detail

The screenshot shows a web browser window with the URL `127.0.0.1:5500/mKrishi/registration_form.html`. The page features a blue sidebar with a menu icon and a user profile icon. The main content area is titled "Farmer's Personal Details" and contains the following fields:

- Farmer's revenue village name\* (text input)
- Block name\* (text input)
- Name\* (text input)
- Gender\* (radio buttons for Male and Female)
- Age\* (text input)
- Educational Qualification\* (text input)
- Spouse Name\* (text input)
- Spouse Age\* (text input)
- Father's Name\* (text input)
- Aadhar No\* (text input)
- PAN No\* (text input)
- Voter ID\* (text input)
- Driving License\* (text input)
- Mobile No\* (text input)
- Permanent Address\* (text input)
- Residential Address\* (text input)
- PIN No\* (text input)
- Religion\* (text input)
- Cast\* (checkboxes for General, OBC, SC, and ST)

Below the personal details section, there are two expandable sections: "Farmer's Family Details" and "Farmer's Property Details".

## Creating new role in user Master: -

The screenshot shows the "User Master" form in a web application. The form is partially obscured by a modal window titled "Create New Role". The modal contains the following fields:

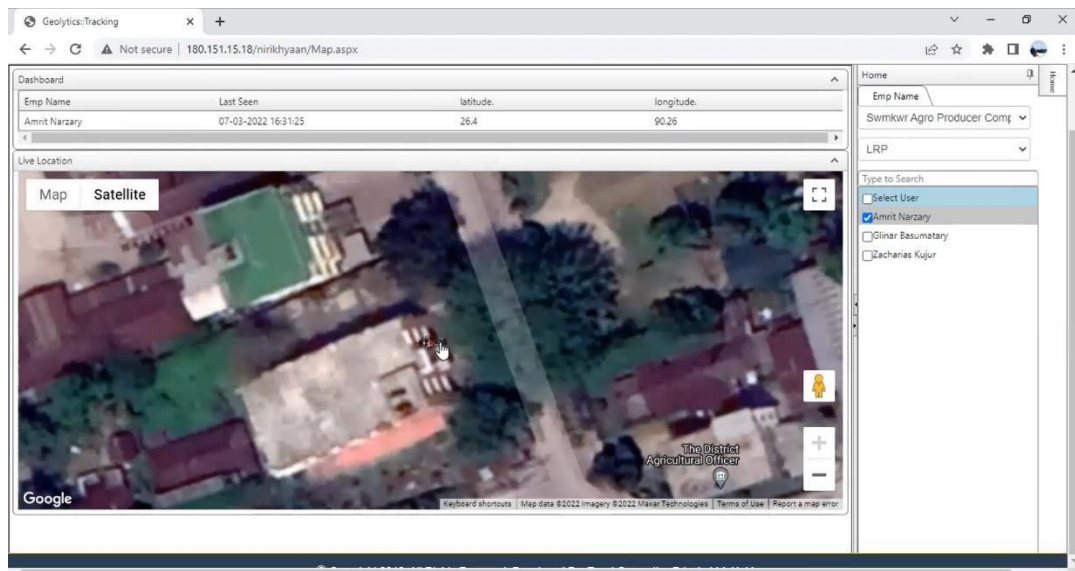
- Role Name\* (text input)
- description (text area)
- Save (green button)
- Clear (grey button)

The background form includes fields for Title\* (select), Last Name\* (text input), Email Id\* (text input), User Id\* (text input), Roles\* (select), Middle Name\* (text input), Mobile Number\* (text input), and Enter Password (text input). There are also "Create New Role" and "Submit" buttons at the bottom of the form.

## User Regesteration Module: -

The screenshot shows a web application interface for user registration. At the top left is a logo with the letter 'm'. At the top right, it says 'Admin Name'. Below the logo is a navigation menu with icons for home, list, and user management. The main content area is titled 'Data Entry > User Registration'. It is divided into two sections: 'User Master' and 'User Credentials'. The 'User Master' section contains fields for Title\* (a dropdown menu), First Name\*, Middle Name\*, Last Name\*, language for communication\* (a dropdown menu), and Mobile Number\*. The 'User Credentials' section contains fields for User Id\*, Password, Re Enter Password, and Roles\* (a dropdown menu). At the bottom of the form are two buttons: 'Create New Role' (green) and 'Submit' (grey). At the very bottom of the page, there is a copyright notice: 'Copyright © 2021. All rights reserved.'

## Geo Tagging Module: -





## Farmer Registration form modules:

### Baseline Survey form modules:

The screenshot shows a web browser window with the URL `127.0.0.1:5500/registration_form.html`. The page title is "Former Registration Form". On the left, a sidebar menu lists various modules: "Baseline Survey Form - Agree", "Farmer's Personal Details", "Farmer's Family Details", "Farmer's Property Details", "Farmer's Land Details", "Farmer's Crop Details", "Farmer's Income Details", "Farmer Loan Details", and "Social Survey". The main content area displays the "Former Registration Form" with the following fields:

Title*	<input type="text" value="select"/>	First Name*	<input type="text"/>	Middle Name*	<input type="text"/>
Last Name*	<input type="text"/>	language for communication*	<input type="text" value="select"/>	Mobile Number*	<input type="text"/>
Email Id*	<input type="text"/>				

Buttons:

### Farmers Personal Details Module:-

The screenshot shows a web browser window with the URL `127.0.0.1:5500/registration_form.html`. The page title is "Farmer's Personal Details". On the left, the sidebar menu is the same as in the previous screenshot, but "Farmer's Personal Details" is selected. The main content area displays the "Farmer's Personal Details" form with the following fields:

Name*	<input type="text"/>	Gender*	<input type="radio"/> Male <input type="radio"/> Female	Age*	<input type="text"/>
Educational Qualification*	<input type="text"/>	Spouse Name*	<input type="text"/>	Spouse Age*	<input type="text"/>
Father's Name*	<input type="text"/>	Aadhar No*	<input type="text"/>	PAN No*	<input type="text"/>
Voter ID*	<input type="text"/>	Driving License*	<input type="text"/>	Mobile No*	<input type="text"/>
Permanent Address*	<input type="text"/>	Residential Address*	<input type="text"/>	PIN No*	<input type="text"/>
Religion*	<input type="text"/>	Cast*	<input type="checkbox"/> General <input type="checkbox"/> OBC <input type="checkbox"/> SC <input type="checkbox"/> ST		

Buttons:

## Farmers Family Details Module:-

The screenshot shows a web browser window with the URL `127.0.0.1:5500/registration_form.html`. The application interface includes a sidebar menu with the following items: Former Registration Form, Baseline Survey Form - Agree, Farmer's Personal Details, **Farmer's Family Details** (highlighted), Farmer's Property Details, Farmer's Land Details, Farmer's Crop Details, Farmer's Income Details, Farmer Loan Details, and Social Survey. The main content area is titled "Farmer's Family Details" and contains the following form fields:

- No. of Family Members\*
- No. of Children\*
- No. of Son\*
- No. of Daughter\*
- Education**
- Son\*
- Daughter\*
- Age**
- Child 1\*
- Child 2\*
- Child 3\*
- Engaged in Cultivation\*

At the bottom of the form are two buttons: "Save" and "Next >". The footer of the application displays "Copyright © 2021. All rights reserved." and the Windows taskbar shows the date and time as 11:15 PM on 13-Jun-22.

## Farmers Property Details Module:-

The screenshot shows the same web browser window as above, but with the "Farmer's Property Details" module selected in the sidebar. The main content area is titled "Farmer's Property Details" and contains the following form fields:

- Cultivable Land\*
- Non-Cultivable Land\*
- Pond\*
- Residential Land\*

At the bottom of the form are two buttons: "Save" and "Next >". The footer of the application displays "Copyright © 2021. All rights reserved." and the Windows taskbar shows the date and time as 11:15 PM on 13-Jun-22.

## Farmers Land Details Module:-

The screenshot shows a web browser window with the URL `127.0.0.1:5500/registration_form.html`. The page title is "Former Registration Form". The sidebar on the left contains the following menu items:

- Former Registration Form
- Baseline Survey Form - Agree
- Farmer's Personal Details
- Farmer's Family Details
- Farmer's Property Details
- Farmer's Land Details** (highlighted)
- Farmer's Crop Details
- Farmer's Income Details
- Farmer Loan Details
- Social Survey

The main content area is titled "Farmer's Land Details" and contains the following form fields:

- Land Ownership\* (text input)
- Land Types\* (checkboxes for Plain, Hills, Low, Steps, Chaur)
- Field Size\* (text input)
- Dag No\* (text input)
- Patta No\* (text input)
- Soil Health\* (text input)

At the bottom of the form are "Save" and "Next >" buttons. The footer of the page reads "Copyright © 2021. All rights reserved." The Windows taskbar at the bottom shows the date and time as 11:16 PM on 13-Jun-22.

## Farmers Crop Details Module:-

The screenshot shows a web browser window with the URL `127.0.0.1:5500/registration_form.html`. The page title is "Former Registration Form". The sidebar on the left contains the following menu items:

- Former Registration Form
- Baseline Survey Form - Agree
- Farmer's Personal Details
- Farmer's Family Details
- Farmer's Property Details
- Farmer's Land Details
- Farmer's Crop Details** (highlighted)
- Farmer's Income Details
- Farmer Loan Details
- Social Survey

The main content area is titled "Farmer's Crop Details" and contains the following form fields:

Crop Types	Seasonal	Parerial	Cash Crop

Crop Details	Rabi	Kharif
Sowing Time		
Harvesting Time		
Inter-Cultivate		
Yield		

At the bottom of the form are "Save" and "Next >" buttons. The footer of the page reads "Copyright © 2021. All rights reserved." The Windows taskbar at the bottom shows the date and time as 11:16 PM on 13-Jun-22.

## Farmers Income Details Module:-

The screenshot shows a web browser window with the URL `127.0.0.1:5500/registration_form.html`. The page title is "Former Registration Form". The left sidebar contains a menu with the following items: "Former Registration Form", "Baseline Survey Form - Agree", "Farmer's Personal Details", "Farmer's Family Details", "Farmer's Property Details", "Farmer's Land Details", "Farmer's Crop Details", "Farmer's Income Details" (highlighted), "Farmer Loan Details", and "Social Survey". The main content area is titled "Farmer's Income Details" and contains the following fields:

- Bank Name 1\*  Account No 1\*  IFSC Code 1\*
- Bank Name 2\*  Account No 2\*  IFSC Code 2\*

Below these are two sections for income details:

**Income from Rabi**

Present	Previous Year	Before Two Yea
<input type="text"/>	<input type="text"/>	<input type="text"/>

**Income from Kharif**

Present	Previous Year	Before Two Yea
<input type="text"/>	<input type="text"/>	<input type="text"/>

At the bottom of the form are "Save" and "Next >" buttons. The footer of the page reads "Copyright © 2021. All rights reserved." The Windows taskbar at the bottom shows the date and time as "11:17 PM 13-Jun-22".

## Farmers Loan Details Module:-

The screenshot shows the same web browser window as above, but the main content area is titled "Farmer Loan Details". The left sidebar is identical. The main content area contains the following fields:

- Bank Name 1\*  Bank Name 2\*
- EMI Amount\*  Loan Tenure\*  Loan Status\*

At the bottom of the form are "Save" and "Next >" buttons. The footer of the page reads "Copyright © 2021. All rights reserved." The Windows taskbar at the bottom shows the date and time as "11:17 PM 13-Jun-22".

## Social Survey Module:-

Former Registration Form

- Baseline Survey Form - Agree
- Farmer's Personal Details
- Farmer's Family Details
- Farmer's Property Details
- Farmer's Land Details
- Farmer's Crop Details
- Farmer's Income Details
- Farmer Loan Details
- Social Survey**

**Social Survey**

Road\*  Constructed  Under Constructed  No Road

School\*  Yes  No

College\*  Yes  No

Drainage\*  Under Ground  Open  No Drains

Water Supply at fields\*  Yes  No

Water Supply at Home\*  Yes  No

Waste Disposal\*  Yes  No

Toilets Availability\*  Yes  No

Medical Clinic\*  Yes  No

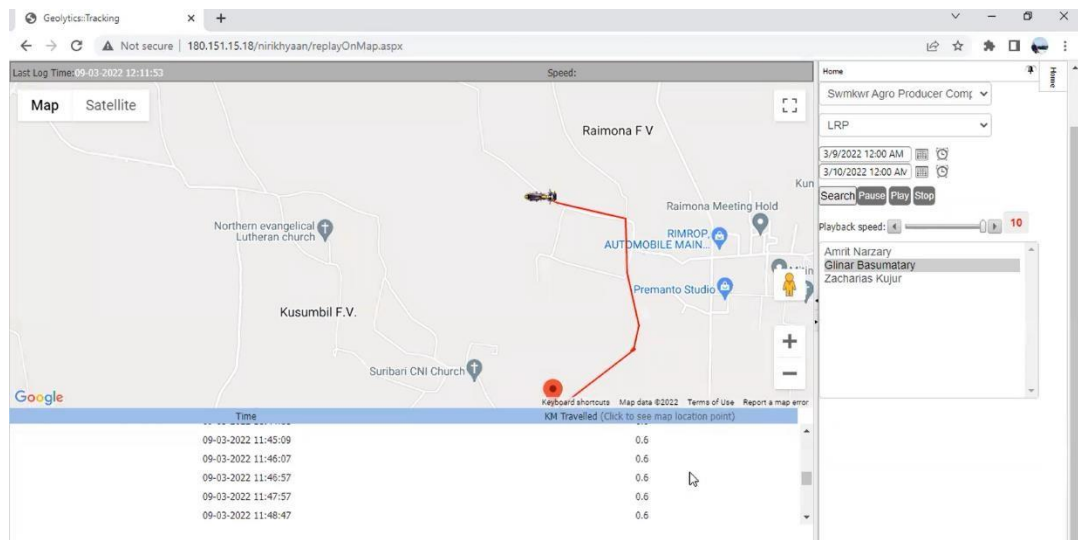
Local Bazar Distance\*  Bus Stop Distance\*

Mobile Connectivity\*  Yes  No

If Yes, which network?\*  BPL  APL

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## LRP Tracking Module:-



## **9) LIMITATIONS**

1. There are too many complications in the existing system.
2. There are lots of fields in the portal which create confusion and increase the complications for the user.
3. Time-Consuming.

## **FUTURE ENHANCEMENT**

1. User requirement keep changing as the system is being used. Some of future enhancement that can be done .
2. As the technology emerges, it is possible to upgrade the system and can be adaptable to desirable environment
3. Based on future security issues, security can be improved using emerging technologies.
4. We can also make app which can help farmers.
5. It can also available in playstore.

## 10) **BIBLIOGRAPHY**

- Krios Info Solutions Private Limited
- TCS(Client Company)
- <https://stackoverflow.com>