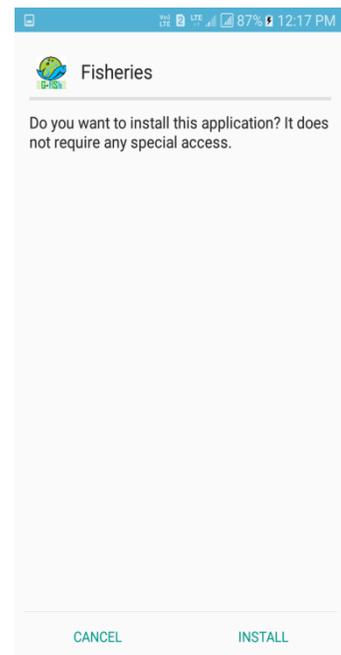
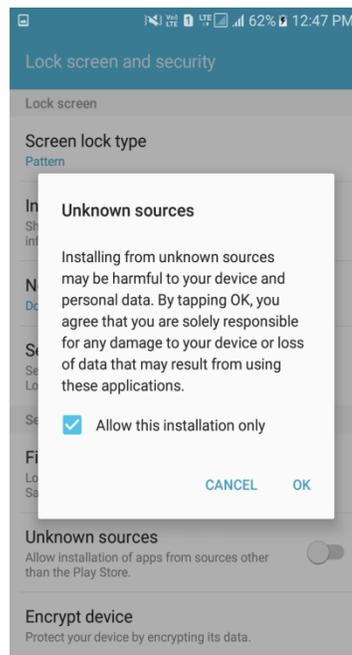
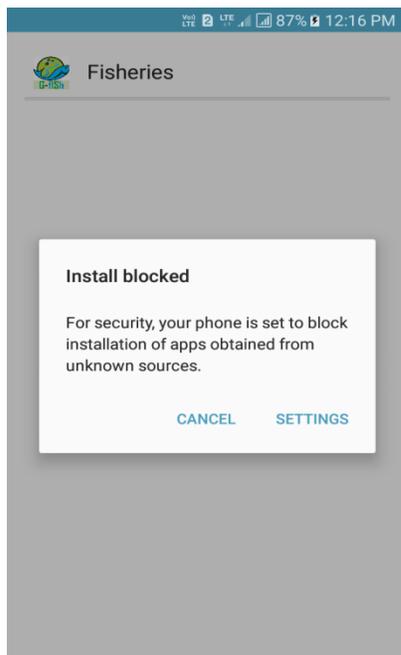


# Fisheries Data Collector Mobile Application

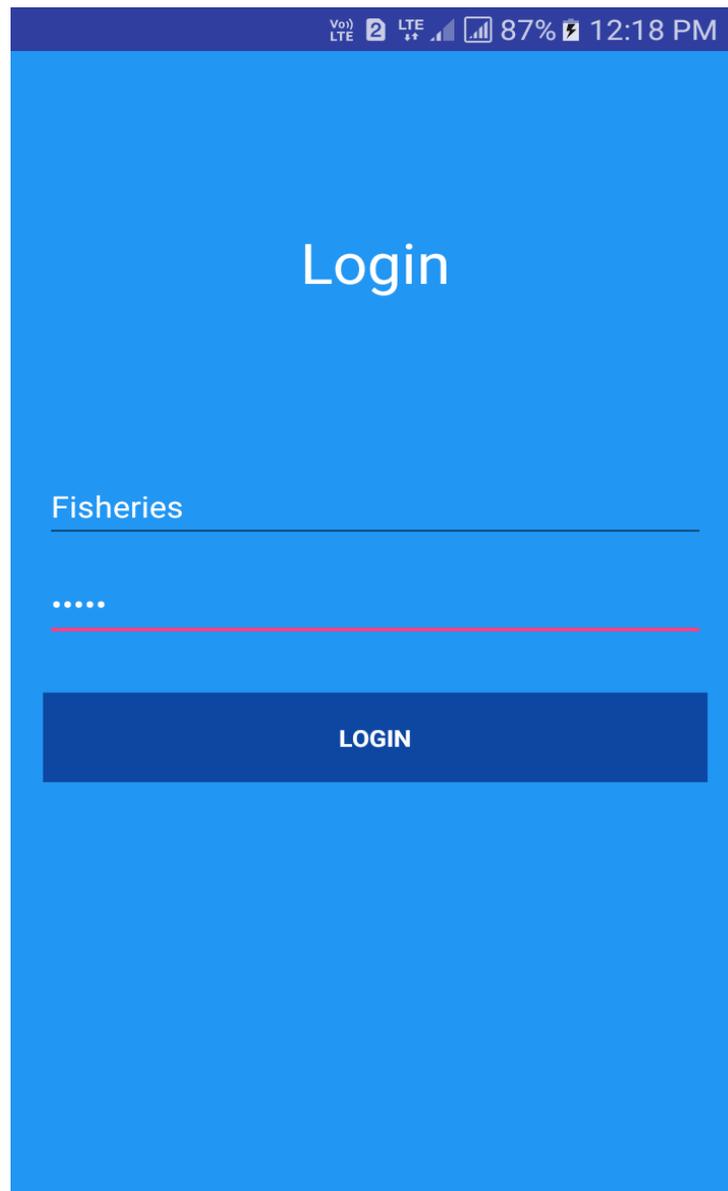
The Data Collector android mobile application for Fisheries department has been developed in order to collect the asset features related to the department.

Below is the description of the application which will help the user to use the application easily.

Firstly, if the device is not ready to install the third party application, user has to enable the unknown sources option from his device settings. Then the user will be able to install the application on his device.

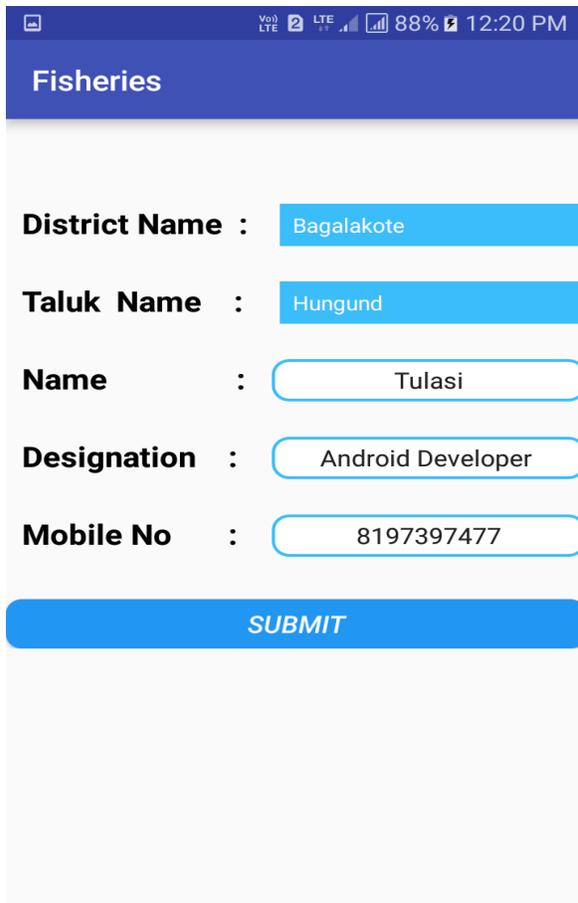


Then user will be directed to login module through which the user will login to the application. This module provides security to the application by avoiding the fake users.



The image shows a mobile application login screen. At the top, there is a dark blue status bar with white text and icons: 'VoLTE', 'LTE', signal strength, 87% battery, and '12:18 PM'. The main background is a bright blue color. In the center, the word 'Login' is written in a large, white, sans-serif font. Below this, the text 'Fisheries' is displayed in a smaller white font, followed by a horizontal white line. Underneath the line are five white dots representing a password field, followed by another horizontal white line. At the bottom of the form, there is a dark blue rectangular button with the word 'LOGIN' in white, uppercase letters.

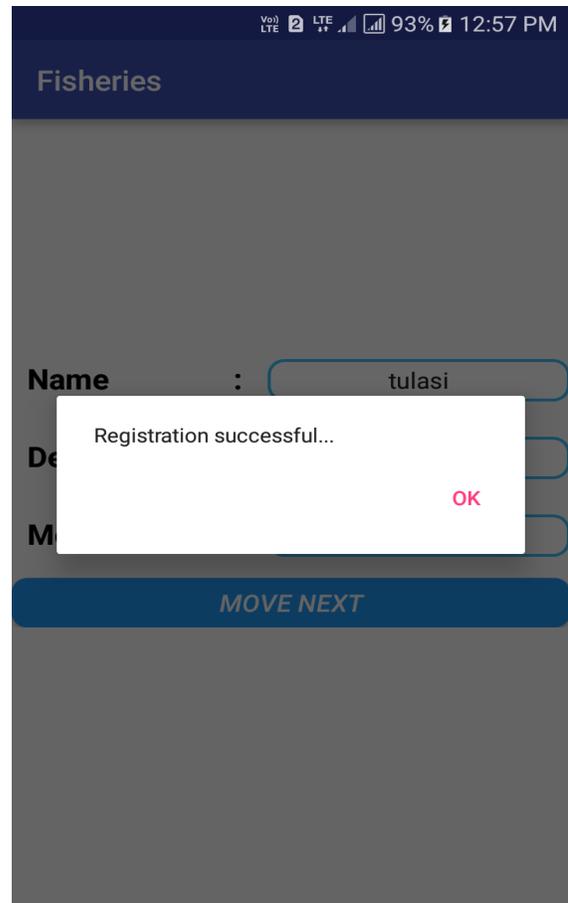
Now the user will be directed to "Registration module" through which the user will Register to the application. Once the registration is completed , user gets a notification "Registration Successful...".



The screenshot shows the registration form in the Fisheries app. The form is titled "Fisheries" and contains the following fields:

- District Name :** Bagalakote
- Taluk Name :** Hungund
- Name :** Tulasi
- Designation :** Android Developer
- Mobile No :** 8197397477

At the bottom of the form is a blue button labeled "SUBMIT". The status bar at the top shows 88% battery and 12:20 PM.

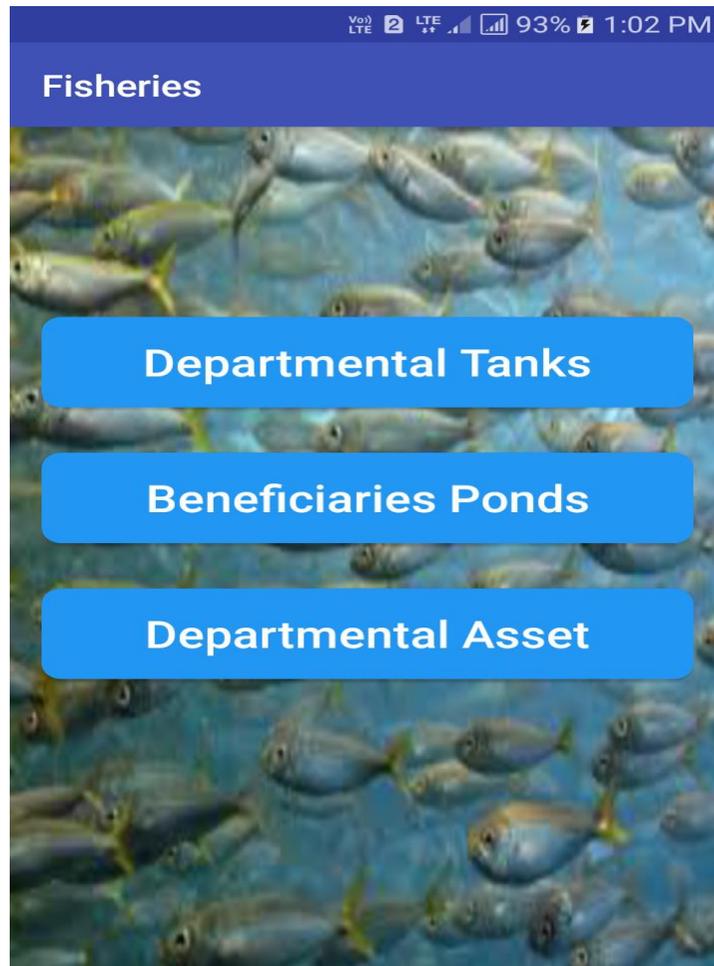


The screenshot shows the registration form in the Fisheries app after successful registration. The form is titled "Fisheries" and contains the following fields:

- Name :** tulasi

A white dialog box with the text "Registration successful..." and an "OK" button is displayed over the form. At the bottom of the form is a blue button labeled "MOVE NEXT". The status bar at the top shows 93% battery and 12:57 PM.

Now user will be directed to the "Asset Menu " module, When click on "Move Next" button.



Then user will be directed to "Departmental Tanks" Module when click on Departmental Tanks, through which the user will collect asset features related to Tanks.

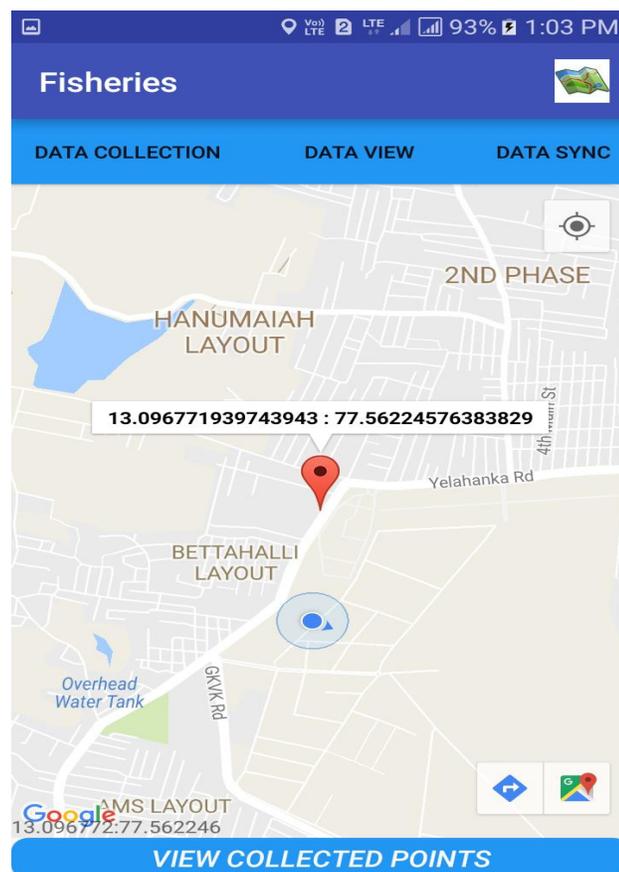
The user will be directed to "Beneficiaries Ponds" Module when click on Beneficiaries Ponds, through which the user will collect asset features related to Ponds.

The user will be directed to "Departmental Asset" Module when click on Departmental Asset, through which the user will collect asset features related to Asset.

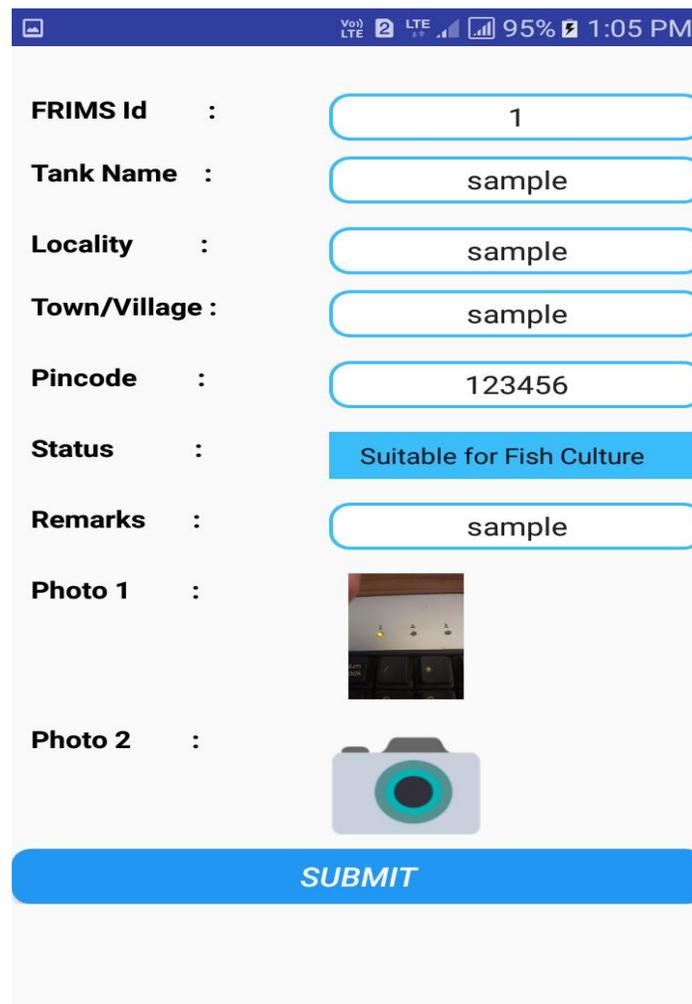
## **1. Departmental Tanks**

Now the base map along with the user's current location will be displayed, and from this page he can select either of the following options.

1. Data Collection.
2. Data View.
3. Sync Data.



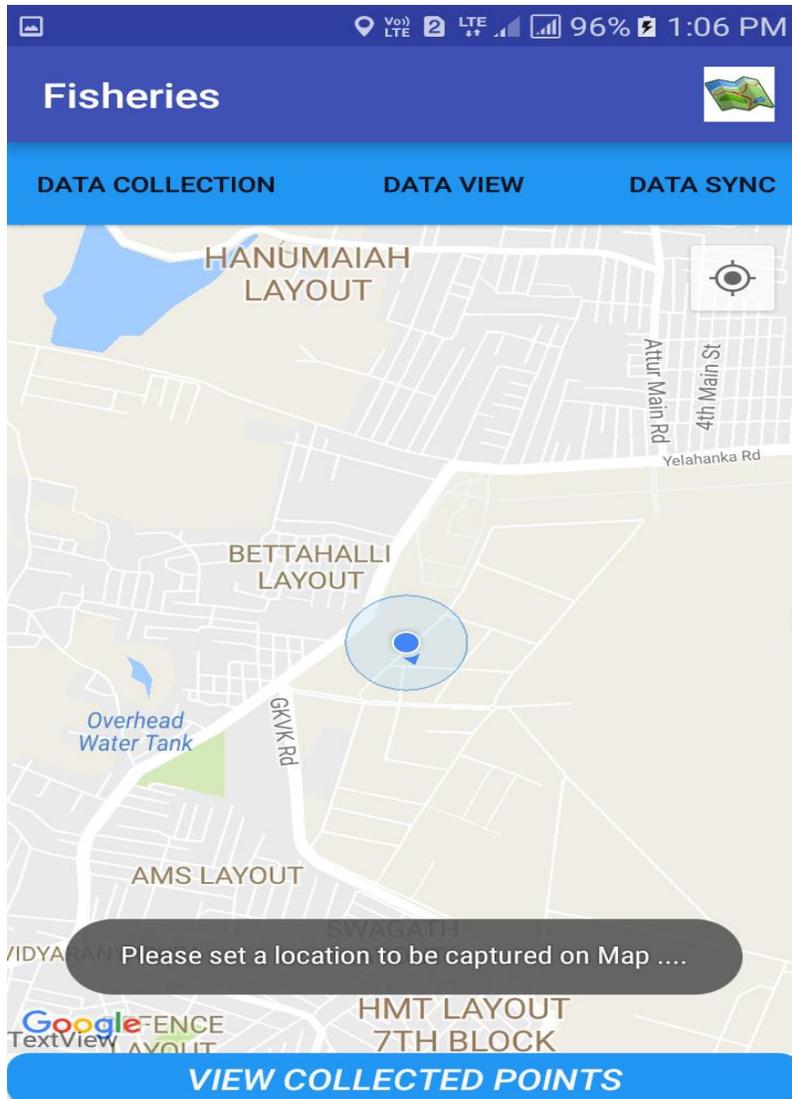
Firstly, the user has to select the point on map for which he wants to collect data. The marker can be dragged to required place. Then the user has to select Data Collection option he will be directed to the data collection page where he has to make some data entries which are mandatory and take 3 images among which one photo should be compulsorily captured and other two are optional. User can save the data entries to his device's local memory using a save button below, even without the internet connection.



The screenshot shows a mobile application interface for data collection. At the top, a status bar displays 'VoLTE', 'LTE', signal strength, 95% battery, and the time '1:05 PM'. The form consists of several fields:

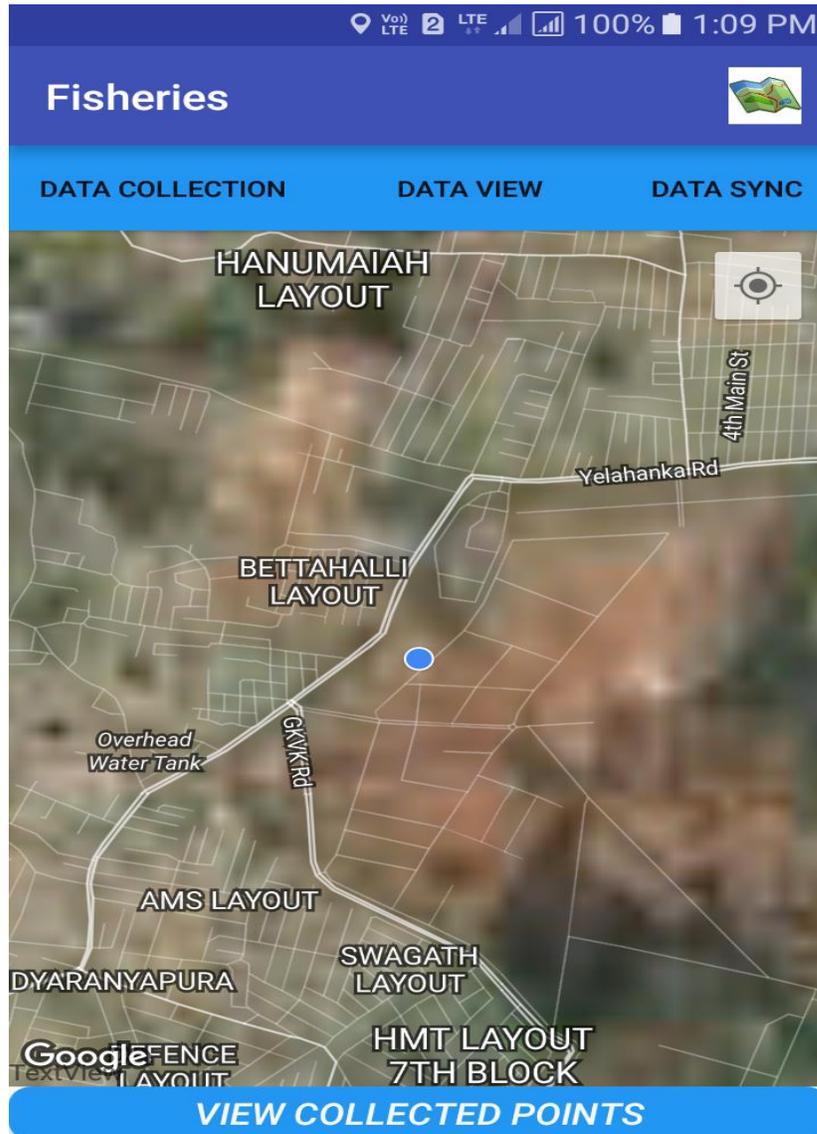
- FRIMS Id :** A text input field containing the number '1'.
- Tank Name :** A text input field containing the word 'sample'.
- Locality :** A text input field containing the word 'sample'.
- Town/Village :** A text input field containing the word 'sample'.
- Pincode :** A text input field containing the number '123456'.
- Status :** A dropdown menu with 'Suitable for Fish Culture' selected.
- Remarks :** A text input field containing the word 'sample'.
- Photo 1 :** A photo gallery icon showing a small thumbnail of a fish tank.
- Photo 2 :** A camera icon for capturing a new photo.

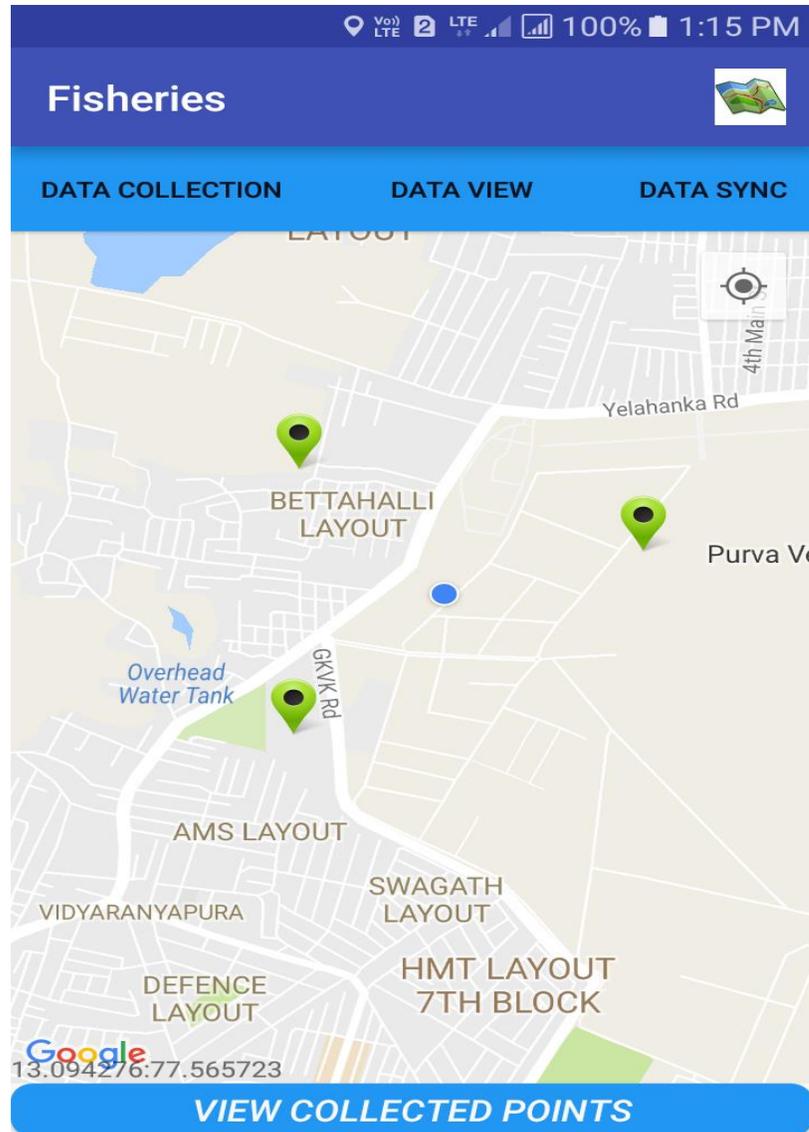
At the bottom of the form is a large blue button labeled 'SUBMIT'.



If the user does not select a point for which the data has to be collected before clicking on Data Collection, he will be notified to set a point on the map as shown in the above picture.

The user can also switch between the Road map and Satellite map being displayed by clicking on the small switch button provided on top-right side of the map.





By using the button below the map named as View Collected Points, the user can see the points already collected in one session before synchronizing to the server. This will help in avoiding the redundant data collection for the same single point. The points are shown in the form of green markers on the map.

The data saved on the local device memory can also be viewed using the option Data View. Here the user will be able to see one point at a time. There are buttons called "Previous" and "Next" which will help the user to navigate to all the points captured.

VoLTE LTE 100% 1:14 PM

## Fisheries

Fisheries Data Collection

<b>ID :</b>	1
<b>FRIMS Id :</b>	1
<b>Tank Name:</b>	sample
<b>Latitude :</b>	13.089943
<b>Longitude :</b>	77.558989
<b>Date :</b>	2017-04-27 13:13:53
<b>Locality :</b>	sample
<b>Town/Village :</b>	sample
<b>Pincode :</b>	12345
<b>Status :</b>	Suitable for Fish Culture
<b>Remarks :</b>	sample
<b>Images :</b>	
<b>Images :</b>	

The screenshot shows a mobile application interface for 'Fisheries Data Collection'. The top status bar indicates 'VoLTE', 'LTE', signal strength, 100% battery, and the time '1:14 PM'. The app title 'Fisheries' is in a blue header, and the subtitle 'Fisheries Data Collection' is in a light blue bar below it. The form contains the following fields:

- Longitude :** 77.558989
- Date :** 2017-04-27 13:13:53
- Locality :** sample
- Town/Village :** sample
- Pincode :** 12345
- Status :** Suitable for Fish Culture
- Remarks :** sample
- Images :** A photo of a keypad is displayed.
- Images :** This section is currently empty.

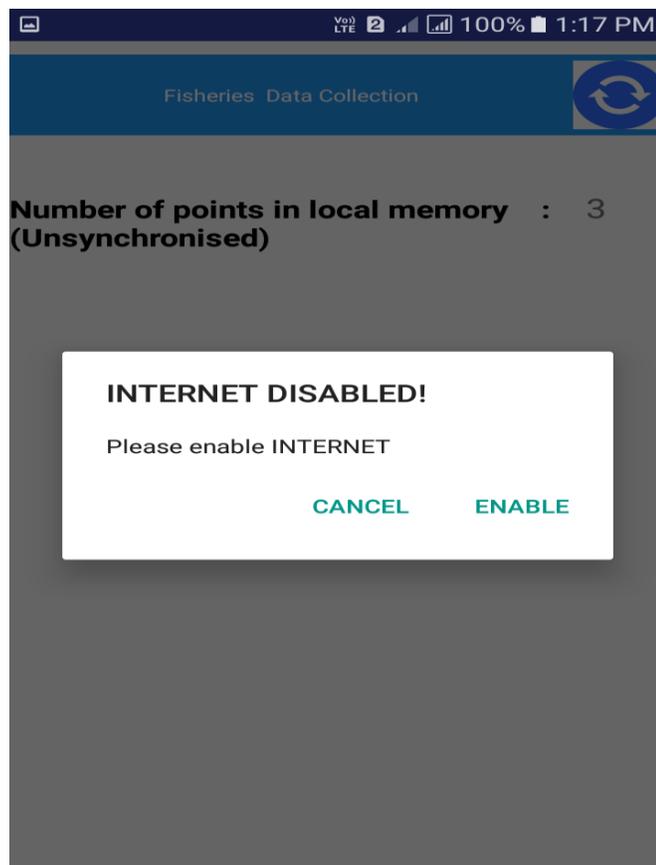
At the bottom of the screen, there are three pink buttons: 'PREVS', 'SAVE EDITS', and 'NEXT'.

In the Data View page all other fields like *FRIMS ID*, *Tank name*, *Latitude*, *Longitude*, *the date and time of data capture* , *Locality*, *Town/Village*, *Pincode*, *Status*, *Remarks*, *Photo1* and *Photo2* are also visible.

The fields *Status* and *Photo1* fields are mandatory.

The fields *FRIMS ID*, *Tank Name*, *Survey No*, *Locality*, *Town/Village*, *Pincode* and *Remarks* which was manually entered can be changed as per the requirement and changes are saved using "**Save Edits**" button.

Once the data collection is completed and when the user gets internet connection he can synchronize the data to the online server using a “Sync Data” option on present on Maps Activity. Here the number of points collected and numbers of points to be synchronized are displayed. There is a sync button on the right top of the page. If internet is not enabled while synchronizing data, the user gets a notification to enable internet and is redirected to settings page if he selects enable option.



Once the data is synchronized to the server, user gets a notification "All points are synchronized to server successfully".

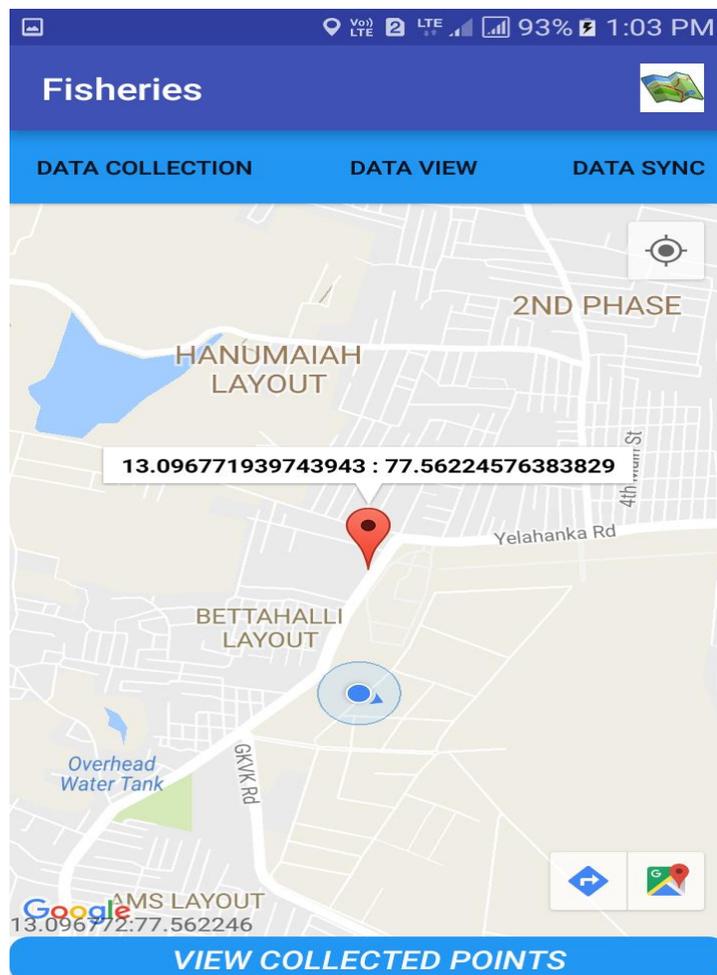
**Number of points in local memory : 0  
(Unsyncronised)**

All points synchronised to server  
successfully...  
**OK**

# 1. Beneficiaries Ponds

Now the base map along with the user's current location will be displayed, and from this page he can select either of the following options.

1. Data Collection.
2. Data View.
3. Sync Data.



Firstly, the user has to select the point on map for which he wants to collect data. The marker can be dragged to required place. Then the user has to select Data Collection option he will be directed to the data collection page where he has to make some data entries which are mandatory and take 3 images among which one photo should be compulsorily captured and other two are optional. User can save the data entries to his device's local memory using a save button below, even without the internet connection.

VoLTE LTE 2 96% 2:25 PM

**FRIMS Id** : 2

**Beneficiary Name** : sample

**Survey No** : 1

**Locality** : sample

**Town/Village** : sample

**Pincode** : 147852

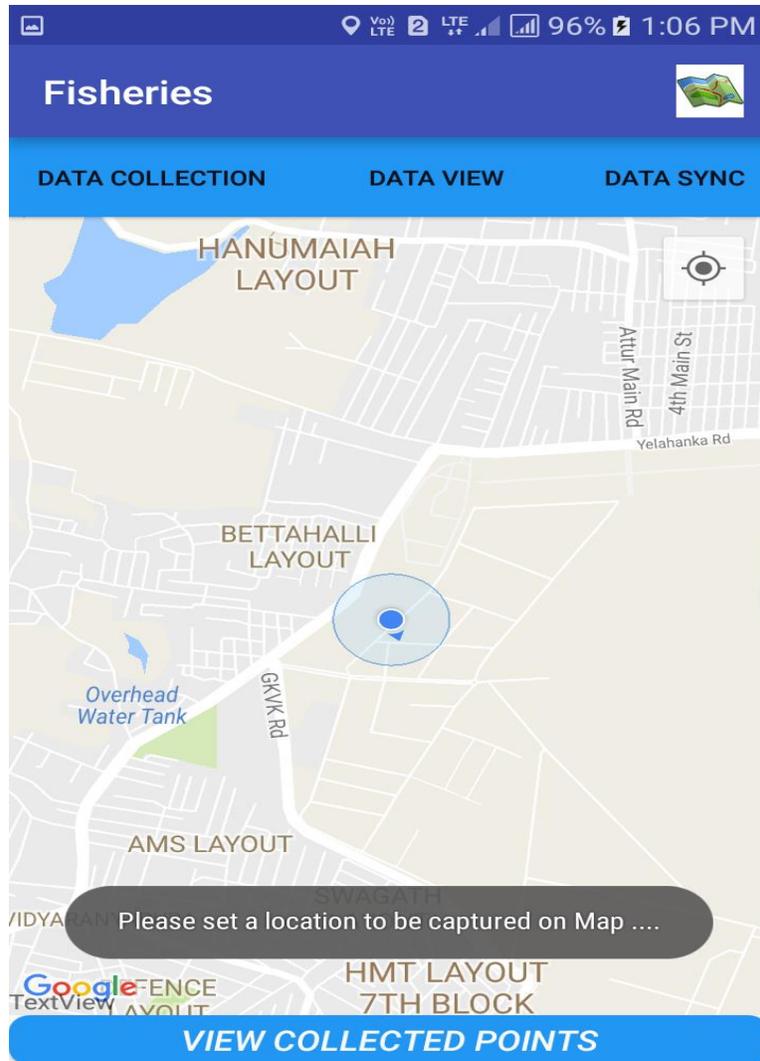
**Status** : Under Construction

**Remarks** : sample

**Photo 1** :

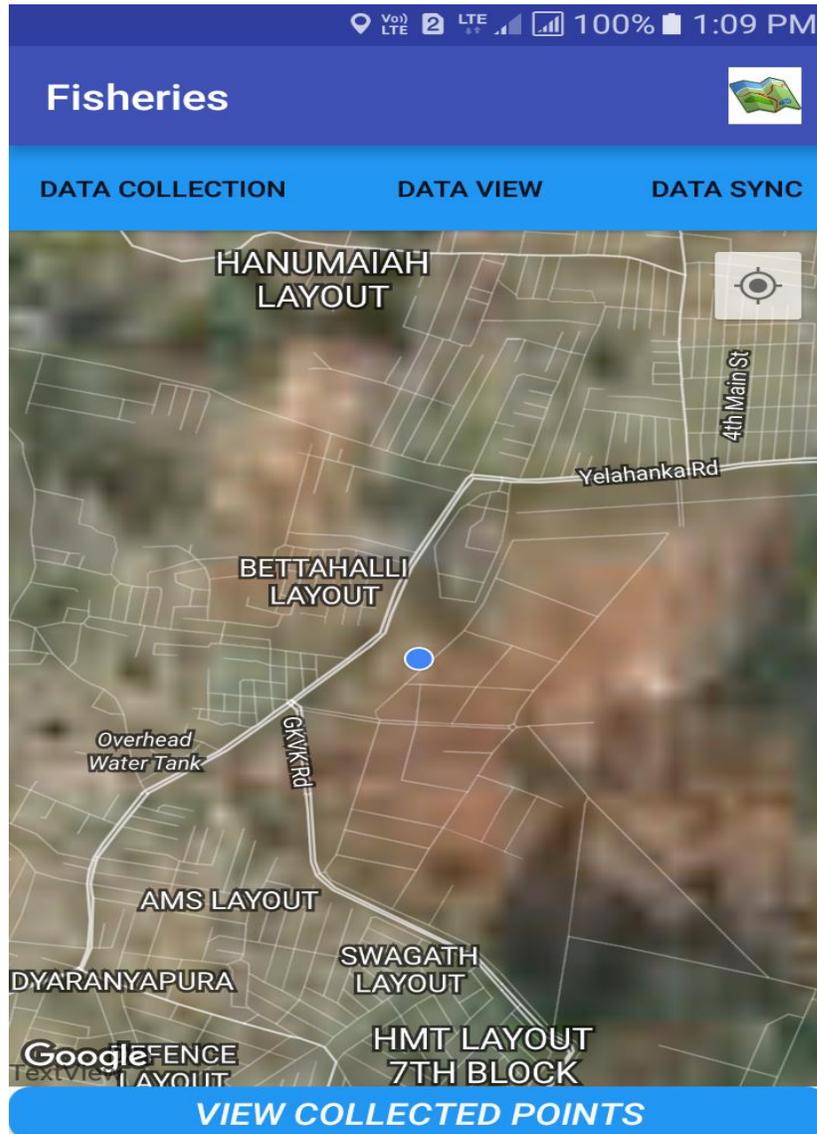
**Photo 2** :

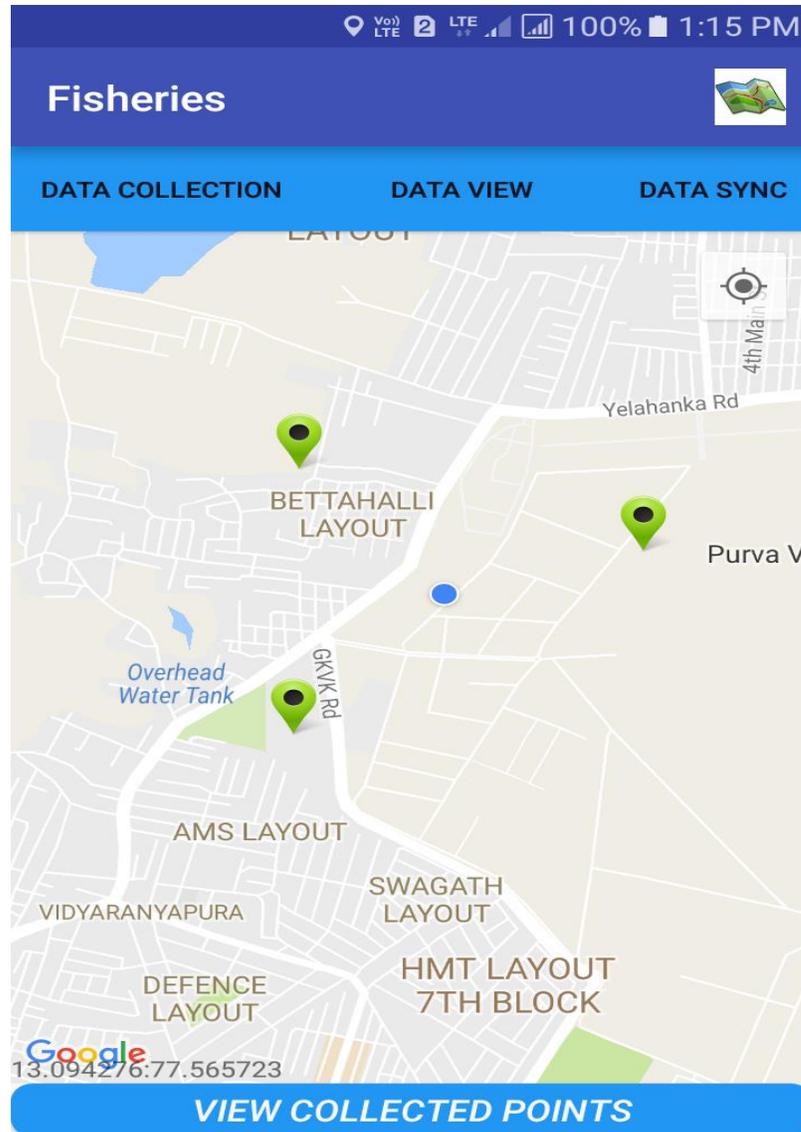
**SUBMIT**



If the user does not select a point for which the data has to be collected before clicking on Data Collection, he will be notified to select a point on the map as shown in the above picture.

The user can also switch between the Road map and Satellite map being displayed by clicking on the small switch button provided on top-right side of the map.





By using the button below the map named as View Collected Points, the user can see the points already collected in one session before synchronizing to the server. This will help in avoiding the redundant data collection for the same single point. The points are shown in the form of green markers on the map.

The data saved on the local device memory can also be viewed using the option Data View. Here the user will be able to see one point at a time. There are buttons called "Previous" and "Next" which will help the user to navigate to all the points captured.

**Fisheries**  
Fisheries Data Collection

ID : 3

FRIMS Id : 2

Beneficiary Name: sample

Survey No : 1

Latitude : 13.095471

Longitude : 77.563452

Date : 2017-04-27 14:25:38

Locality : sample

Town/Village : sample

Pincode : 147852

Status : Under Construction

Remarks : sample

Images :

Images :

**Fisheries**  
Fisheries Data Collection

Longitude : 77.558989

Date : 2017-04-27 13:13:53

Locality : sample

Town/Village : sample

Pincode : 12345

Status : Suitable for Fish Culture

Remarks : sample

Images :

Images :

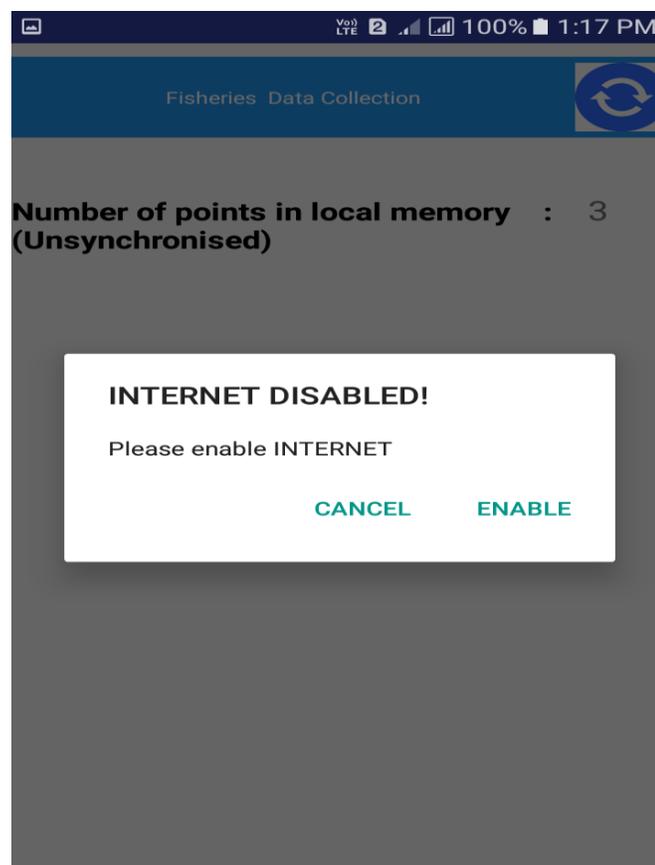
PREVS SAVE EDITS NEXT

In the Data View page all other fields like *FRIMS ID*, *Beneficiary Name*, *Latitude*, *Longitude*, the *date and time of data capture*, *Locality*, *Town/Village*, *Pincode*, *Status*, *Remarks*, *Photo1* and *Photo2* are also visible. *Status* and *Photo1* fields are mandatory.

The fields *FRIMS ID*, *Beneficiary Name*, *Survey No*, *Locality*, *Town/Village*, *Pincode* and *Remarks* which was manually entered

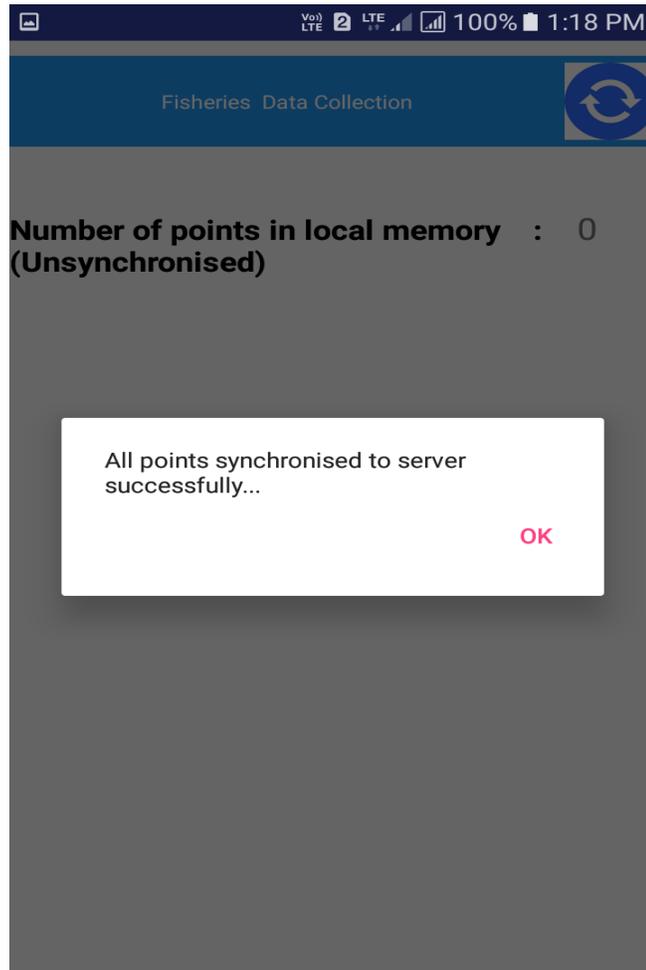
can be changed as per the requirement and changes are saved using “**Save Edits**” button.

Once the data collection is completed and when the user gets internet connection he can synchronize the data to the online server using a “Sync Data” option on present on Maps Activity. Here the number of points collected and numbers of points to be synchronized are displayed. There is a sync button on the right top of the page. If internet is not enabled while synchronizing data, the user gets a notification to enable internet and is redirected to settings page if he selects enable option.



Once the data is synchronized to the server, user gets a

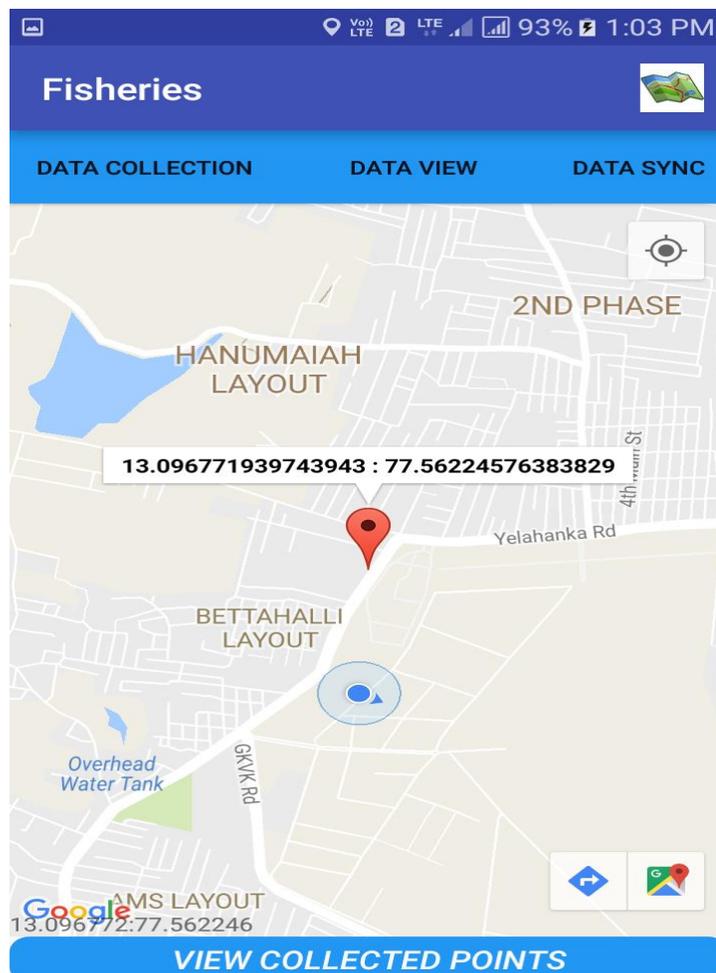
notification "All points are synchronized to server successfully".



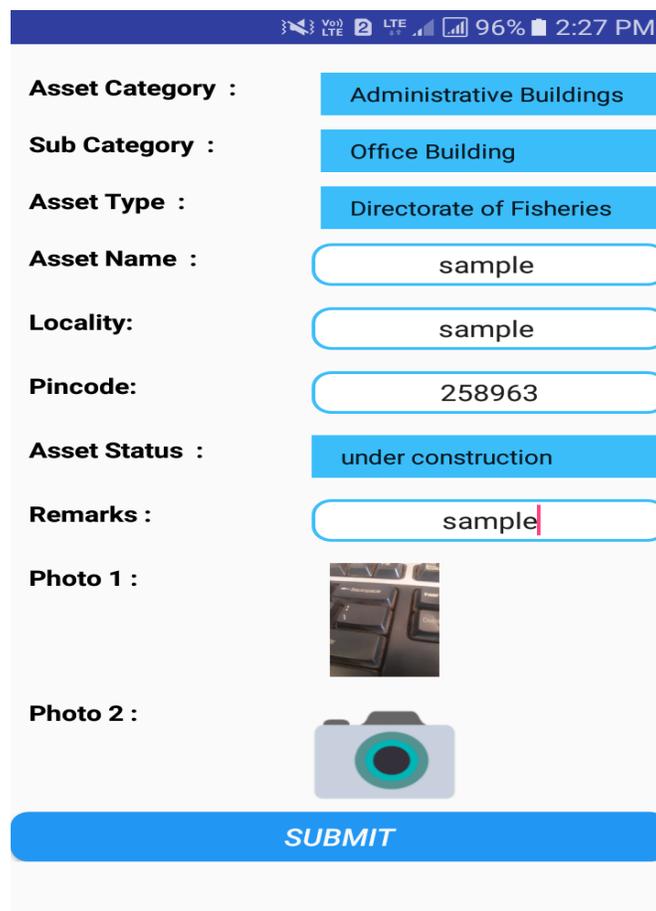
# 1. Departmental Asset

Now the base map along with the user's current location will be displayed, and from this page he can select either of the following options.

1. Data Collection.
2. Data View.
3. Sync Data.



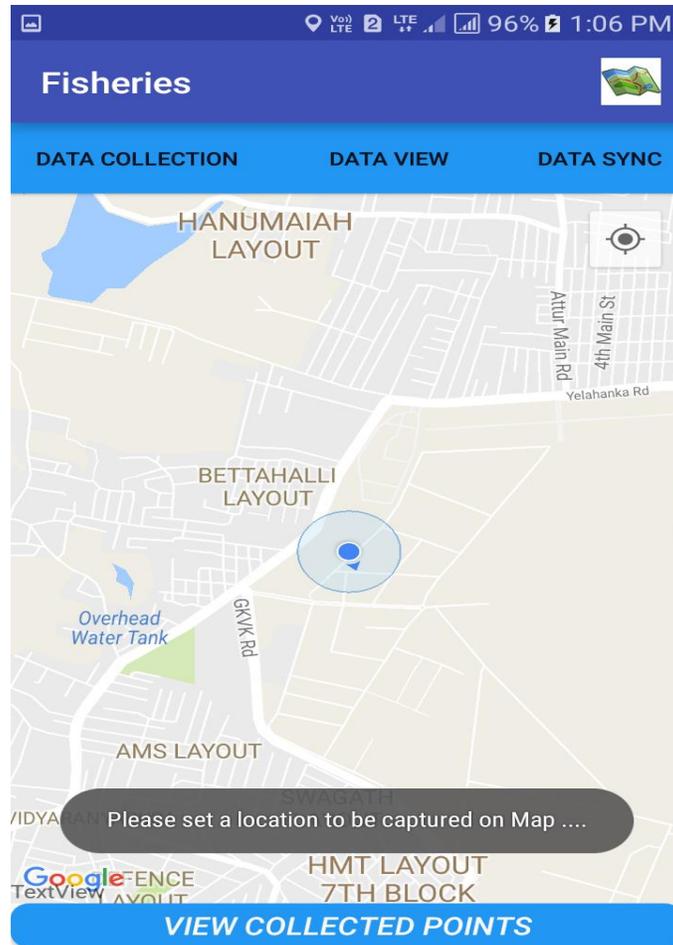
Firstly, the user has to select the point on map for which he wants to collect data. The marker can be dragged to required place. Then the user has to select Data Collection option he will be directed to the data collection page where he has to make some data entries which are mandatory and take 3 images among which one photo should be compulsorily captured and other two are optional. User can save the data entries to his device's local memory using a save button below, even without the internet connection.



The screenshot shows a mobile application interface for data collection. At the top, a status bar displays VoLTE, LTE, signal strength, 96% battery, and 2:27 PM. The form consists of the following fields:

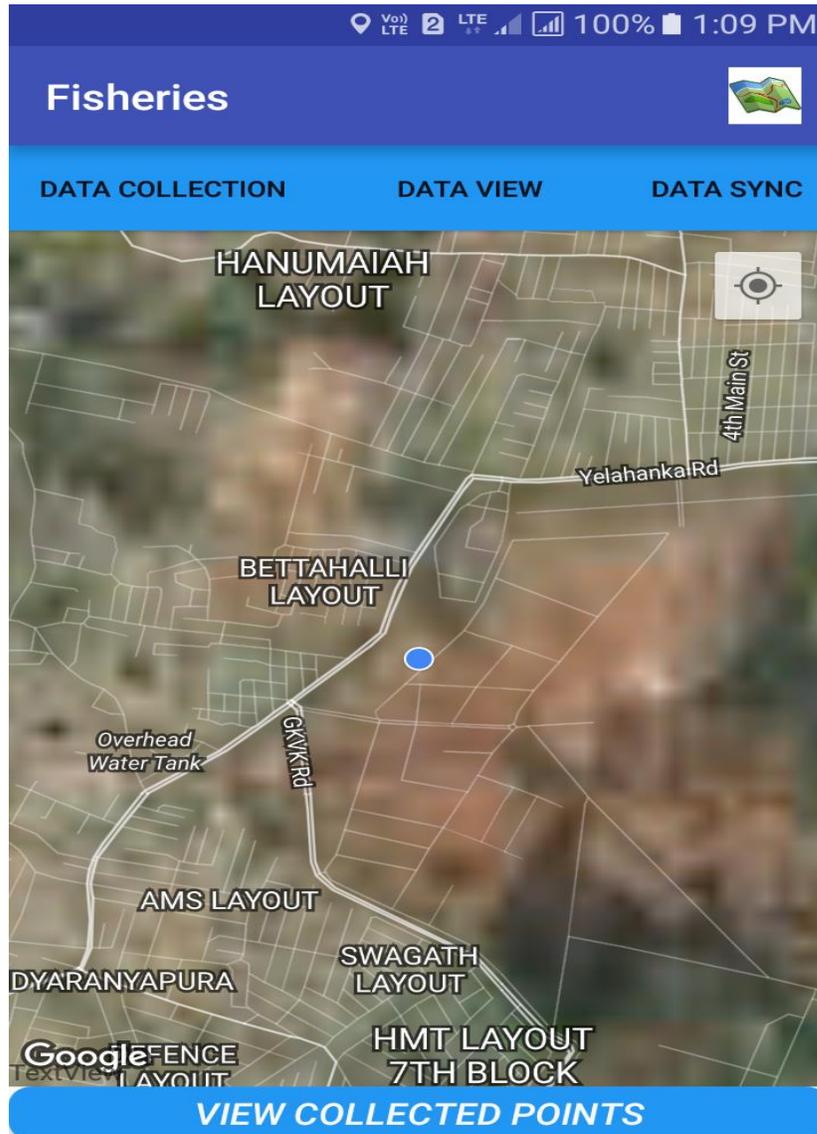
- Asset Category :** Administrative Buildings
- Sub Category :** Office Building
- Asset Type :** Directorate of Fisheries
- Asset Name :** sample
- Locality:** sample
- Pincode:** 258963
- Asset Status :** under construction
- Remarks :** sample
- Photo 1 :** A small image of a control panel with buttons.
- Photo 2 :** A camera icon with a green shutter button.

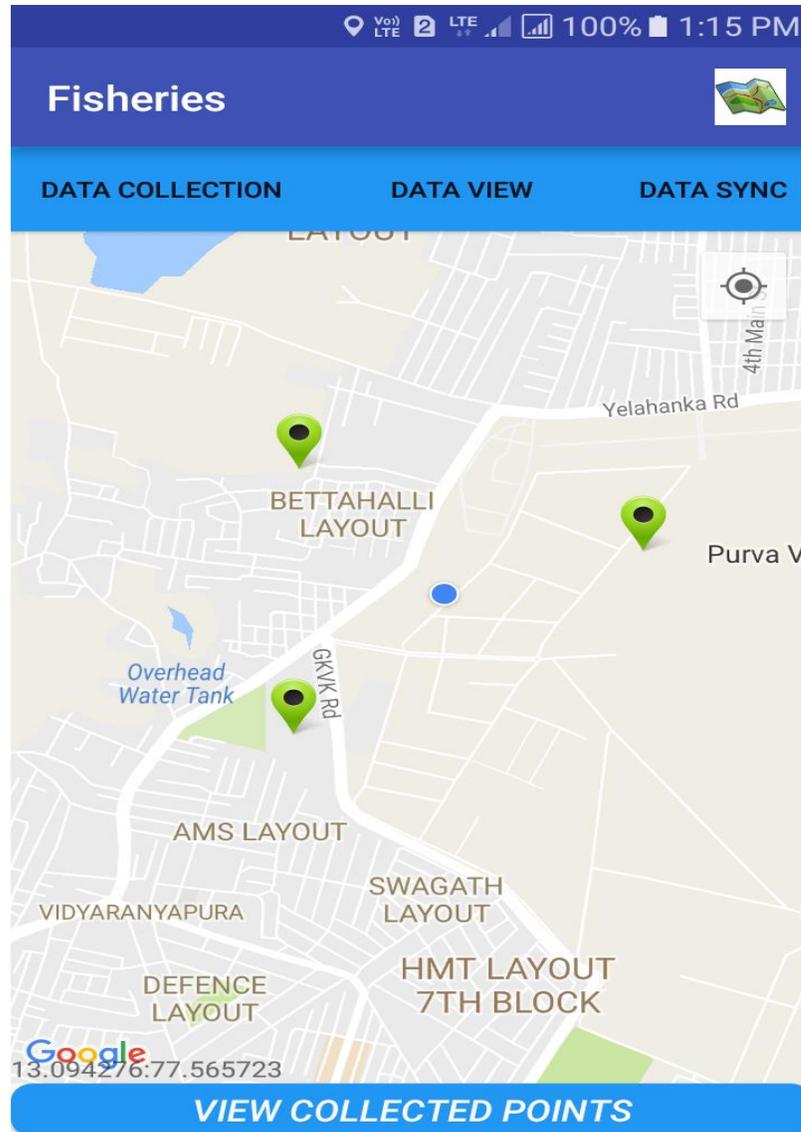
A large blue button labeled **SUBMIT** is positioned at the bottom of the form.



If the user does not select a point for which the data has to be collected before clicking on Data Collection, he will be notified to select a point on the map as shown in the above picture.

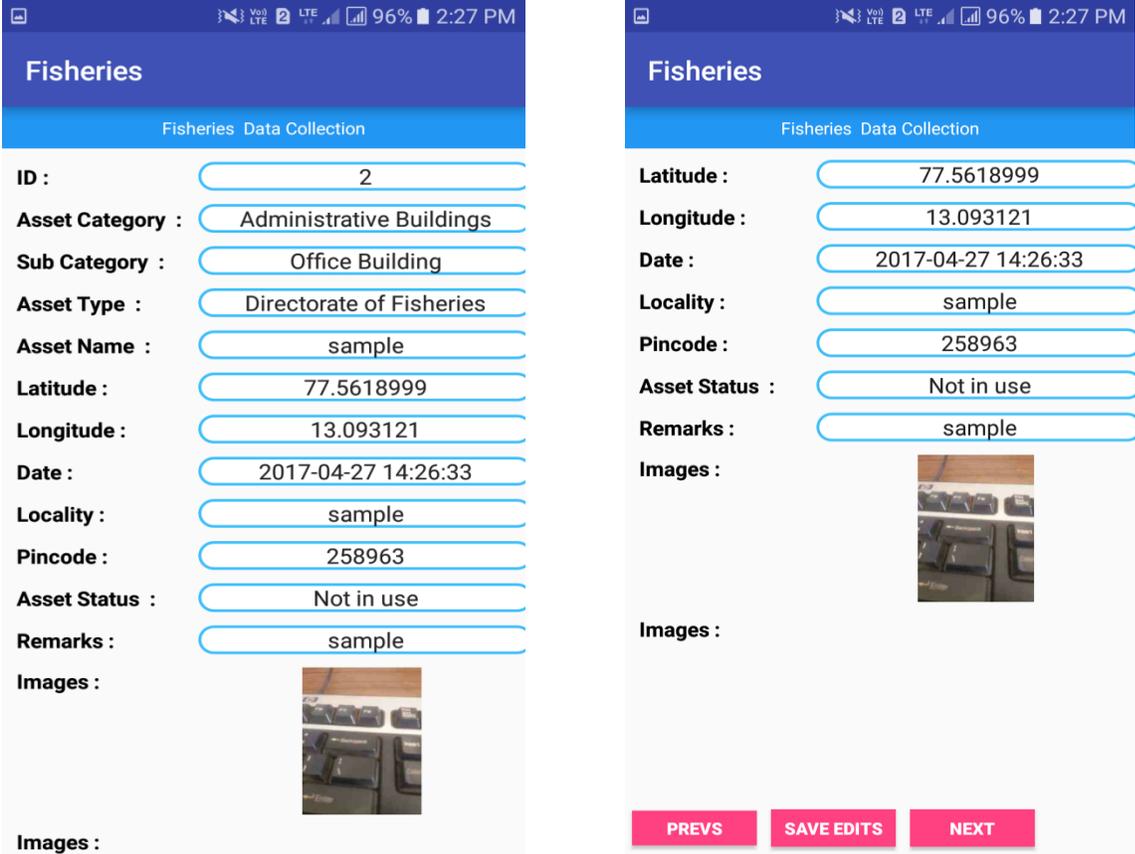
The user can also switch between the Road map and Satellite map being displayed by clicking on the small switch button provided on top-right side of the map.





By using the button below the map named as View Collected Points, the user can see the points already collected in one session before synchronizing to the server. This will help in avoiding the redundant data collection for the same single point. The points are shown in the form of green markers on the map.

The data saved on the local device memory can also be viewed using the option Data View. Here the user will be able to see one point at a time. There are buttons called "Previous" and "Next" which will help the user to navigate to all the points captured.

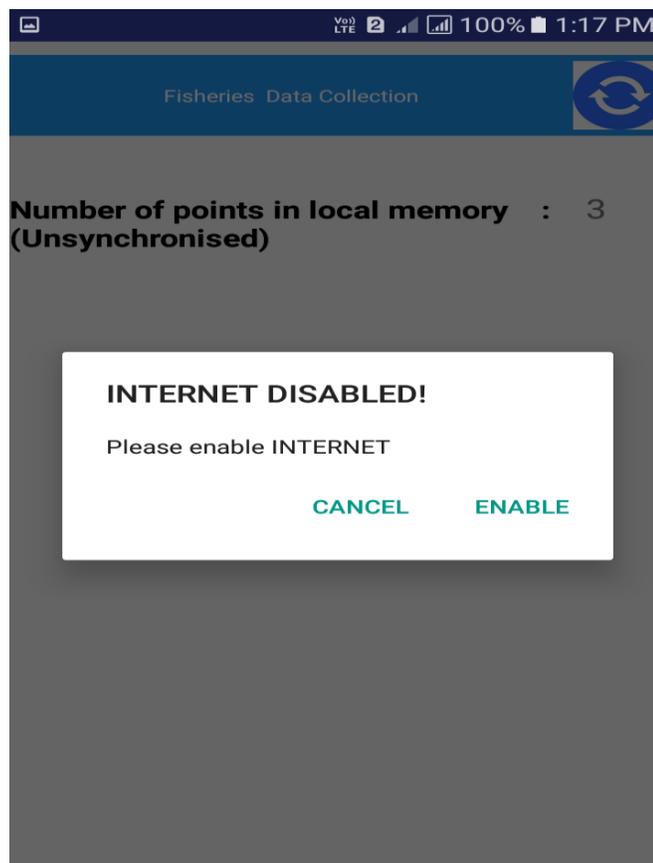


In the Data View page all other fields like Asset Category, Sub Category, Asset Type, Asset Name, *Latitude*, *Longitude*, the *date and time of data capture* ,*Locality*, *Pincode*, *Status*, *Remarks*, *Photo1* and *Photo2* are also visible.

The fields Asset Category, Sub Category, Asset Type, Asset Name, *Status* and *Photo1* are mandatory.

The fields *Asset Name*, *Locality*, *Pincode* and *Remarks* which was manually entered can be changed as per the requirement and changes are saved using “**Save Edits**” button.

Once the data collection is completed and when the user gets internet connection he can synchronize the data to the online server using a “Sync Data” option on present on Maps Activity. Here the number of points collected and numbers of points to be synchronized are displayed. There is a sync button on the right top of the page. If internet is not enabled while synchronizing data, the user gets a notification to enable internet and is redirected to settings page if he selects enable option.



Once the data is synchronized to the server, user gets a notification "All points are synchronized to server successfully".

