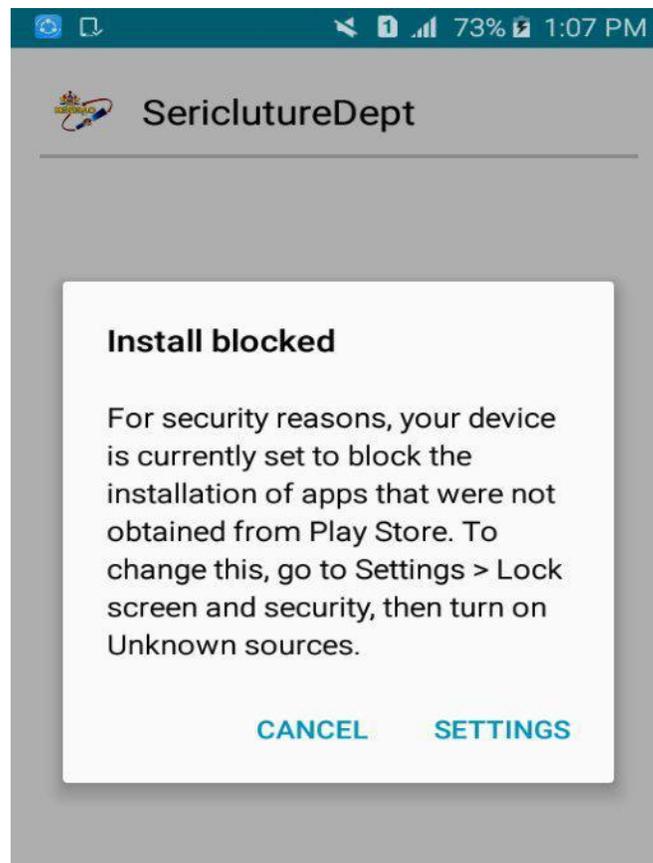


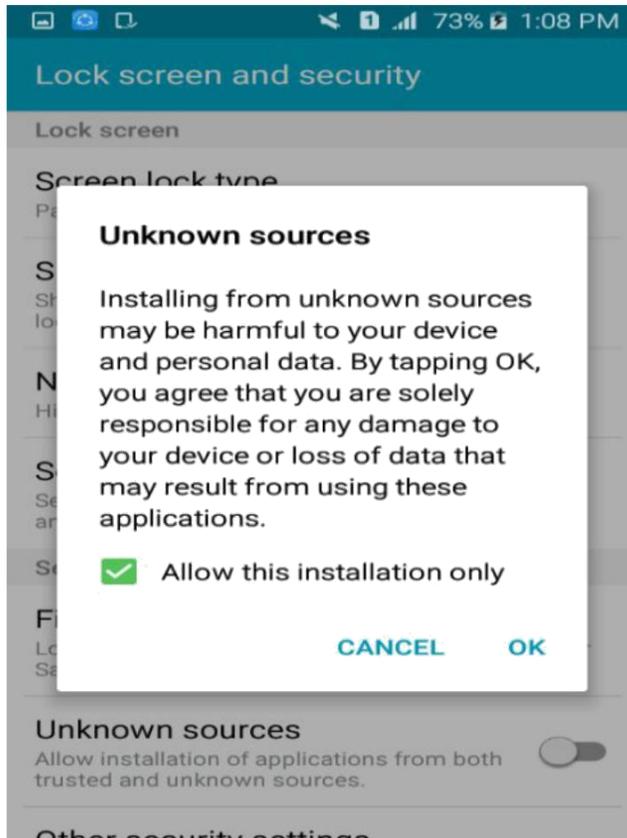
Sericulture Data Collector Mobile Application

The Data Collector android mobile application for Sericulture 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.





SericlutureDept

Install this application? It will have access to:

Privacy



precise location (GPS and network-based)

Device access



full network access
receive data from Internet
view network connections

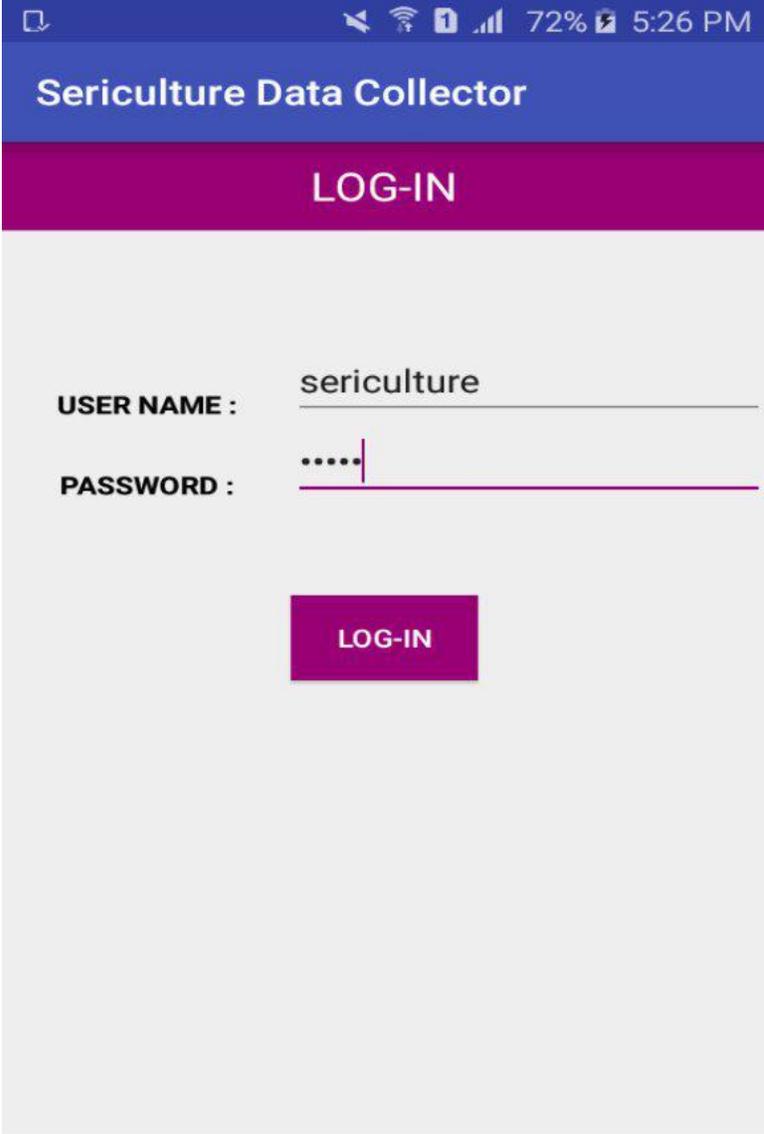


prevent phone from sleeping

CANCEL

INSTALL

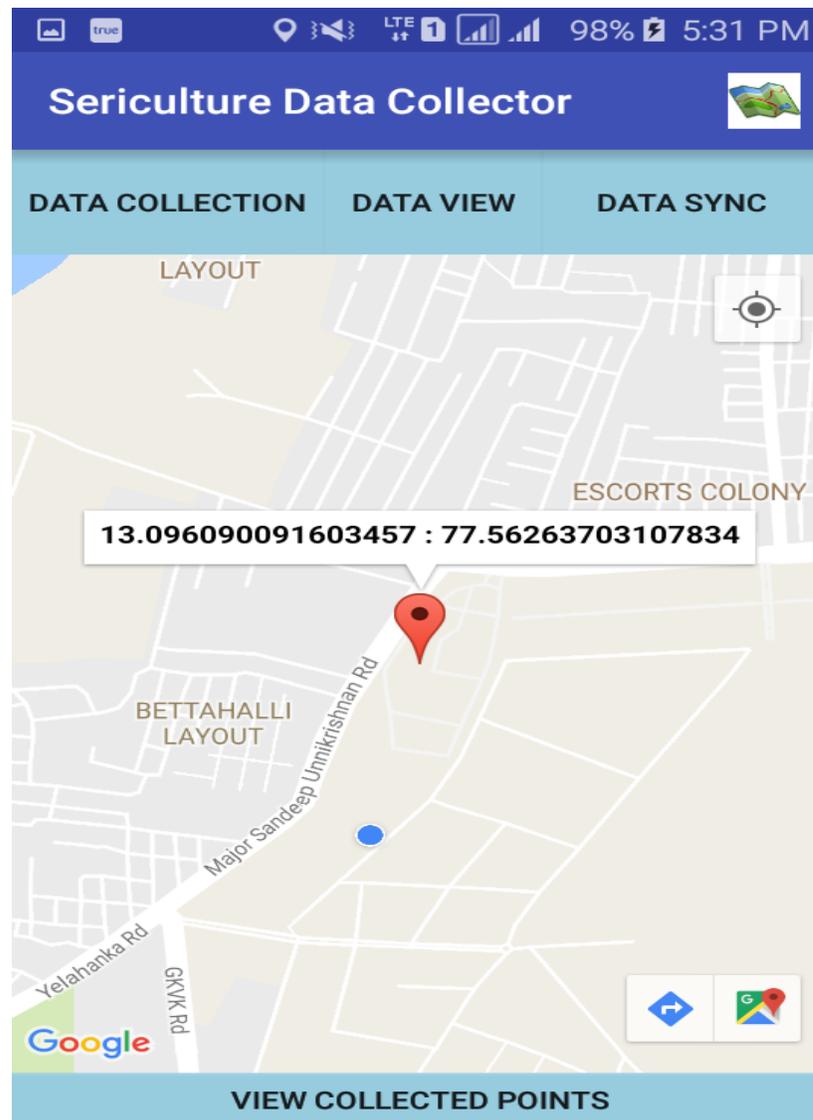
Then user will be directed to login module through which the user will login to the application. This module provides security to the application by avoiding the fake users.



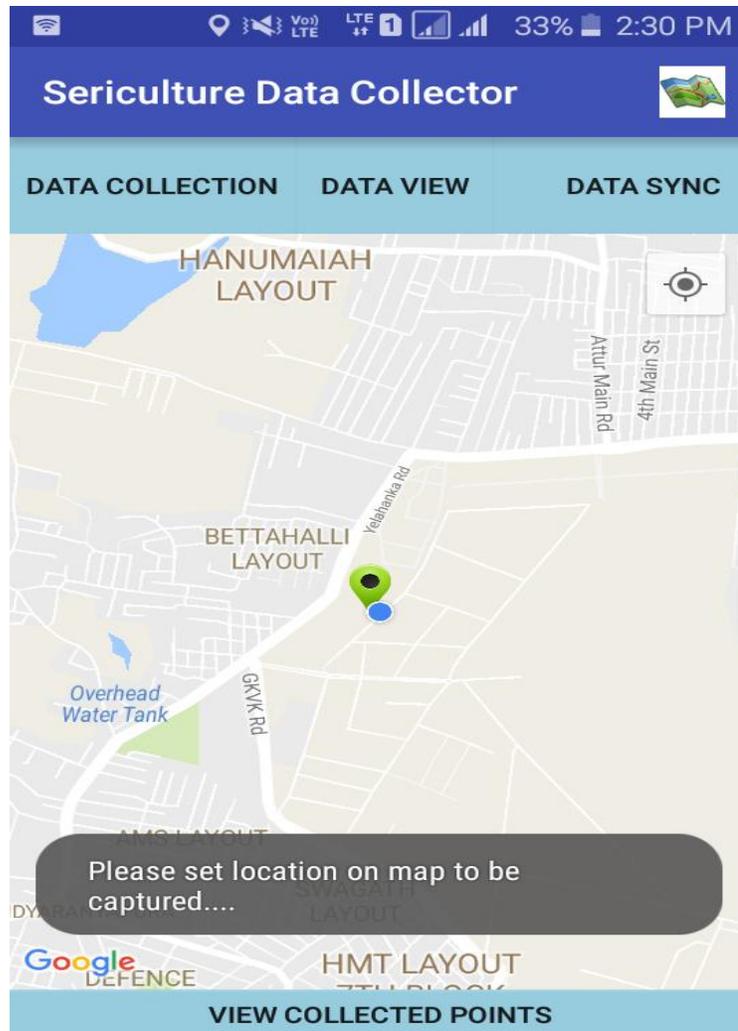
The screenshot displays the login interface for the 'Sericulture Data Collector' application. At the top, a blue header contains the app name. Below it is a purple bar with the text 'LOG-IN'. The main area is light gray and contains two input fields: 'USER NAME' with the value 'sericulture' and 'PASSWORD' with masked characters. A purple 'LOG-IN' button is positioned below the password field.

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 when he is online for which he wants to collect data or else a notification will be shown as below saying that “Please set a location on the map to be captured”. If user is offline and his map is not getting loaded then he can directly go to Data Collection without placing a marker point on map.



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.

67% 12:20 PM

Sericulture Data Collector

Asset Category: --Select--

Asset Type :

Asset Name :

Lat - Long : 13.0933828 , 77.5618116

Photo 1 :



Photo 2 :



Photo 3 :



67% 12:21 PM

Sericulture Data Collector

Asset Category: Office Building

Asset Type : Office_Building

Asset Name : krsrad

Lat - Long : 13.0933828 , 77.5618116

Photo 1 :



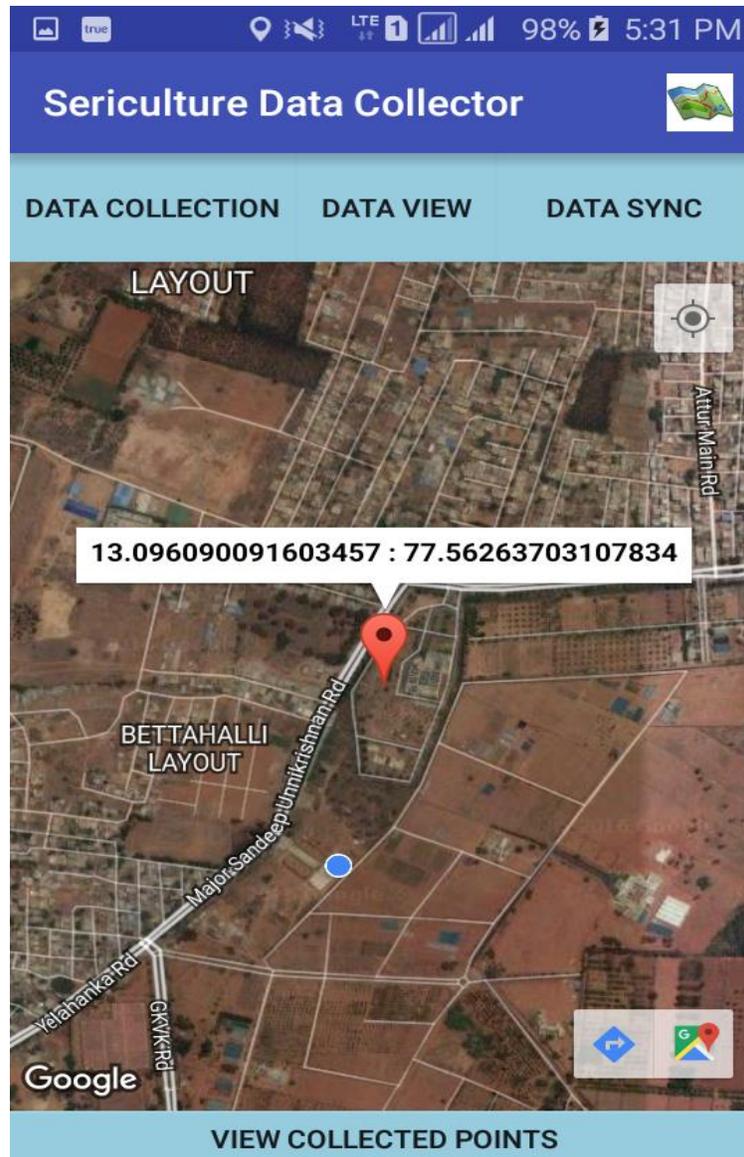
Photo 2 :



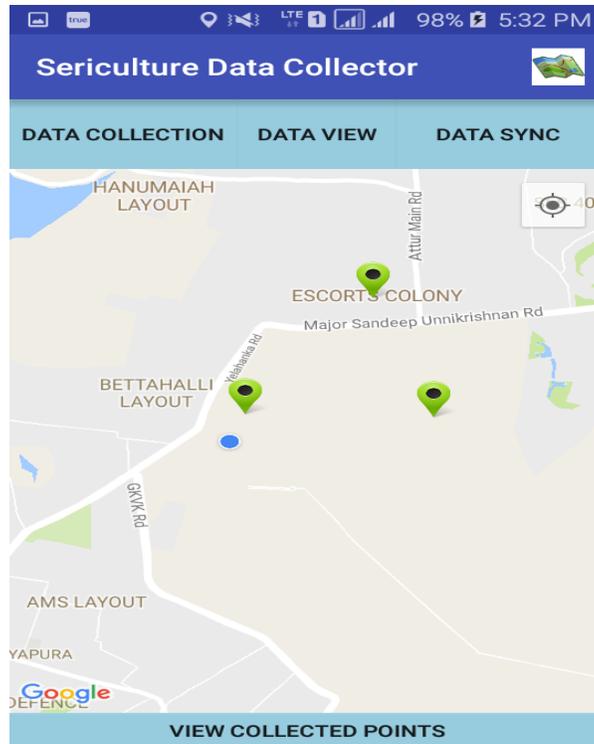
Photo 3 :



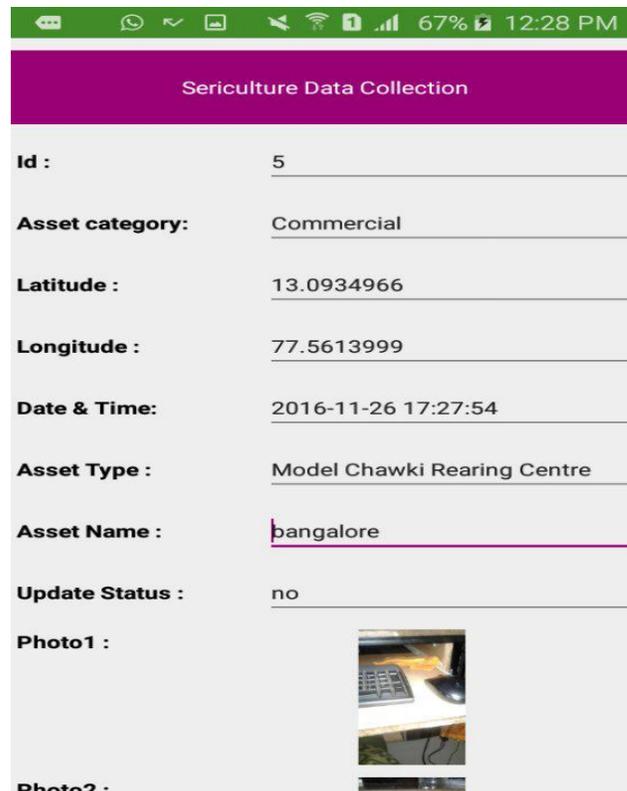
The user can also switch between the Road map and Satellite map being displayed by clicking on the small switch button provided on top-right side of the map.



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.



Sericulture Data Collection

Asset Name : bangalore

Update Status : no

Photo1 : 

Photo2 : 

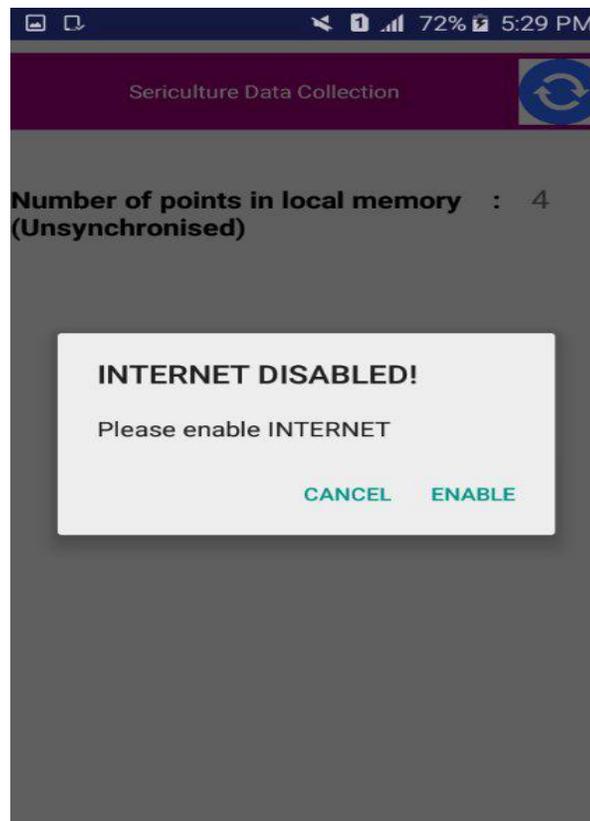
Photo3 : 

PREVS **DELETE** **SAVE EDITS** **NEXT**

In the Data View page all other fields like Latitude, longitude, the date and time of data capture are also visible. If the user wants to delete any point, he can delete it by using "Delete" button.

The field "Asset Name" 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 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".