

SELF TRACKER



Team Members:-

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Overview

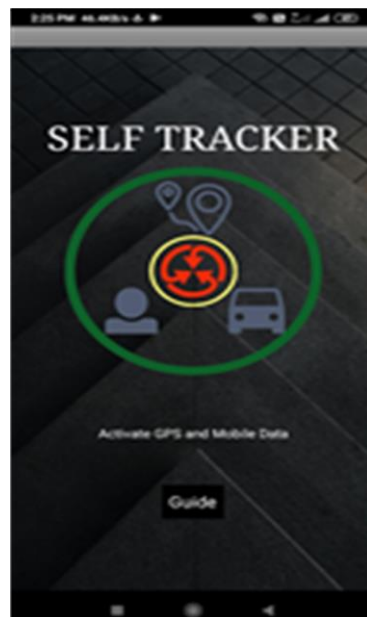
Self Tracker is a user-friendly android application useful in this COVID 19 pandemic situation. Using this app you can store the route map, people met, the vehicle used in your phone and send them to anyone if required. This app is having less memory. It supports Malayalam and English languages.

Important

- 1. GPS and mobile data connection are necessary for the smooth working of the app!**
- 2. Try to add person after the location accuracy is very accurate(less than 50 m).**

Introductory Screen

The **Introductory** screen as shown in figure below:-



A **Guide** button is provided on the opening screen. The **Guide** button will show you the **Guide** screen which shows how to use the app.

Registration Screen

Here the user needs to provide the following details

- Language preferred(Malayalam/English)
- Name of the user
- Age of the user
- Height of the user
- Weight of the user
- Gender of the user
- The blood group of the user
- Phone number of the user
- Email ID of the user
- The residence address of the user
- PIN code
- User ID
- The password to secure the app (at least 8 characters)

After entering the details click on the **Submit** button to register.

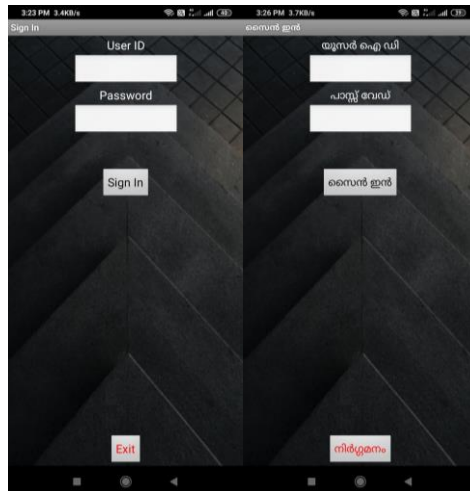
The figure displays four sequential screenshots of a mobile application's registration screen. Each screen shows a form with various input fields and dropdown menus. The fields include: Language (dropdown), Name, Age (years), Height (cm), Weight (kg), Gender (dropdown), Blood Group (dropdown), Phone Number, Email ID, Address, PIN Code, User ID, Password (8 Characters), and a Submit button. The text is in Malayalam. The screenshots show the user filling out these details step by step.

The gender and blood group should be selected from the drop-down spinner as shown in the figure below

The figure displays four sequential screenshots of the mobile application's registration screen, focusing on the selection of Gender and Blood Group. The first screenshot shows the Gender dropdown menu open with options: Select, Female, Male, and Other. The second screenshot shows the Blood Group dropdown menu open with options: Select, A+, A-, B+, B-, AB+, AB-, O+, and O-. The third and fourth screenshots show the form with the selected values (Female and A+) and the Submit button.

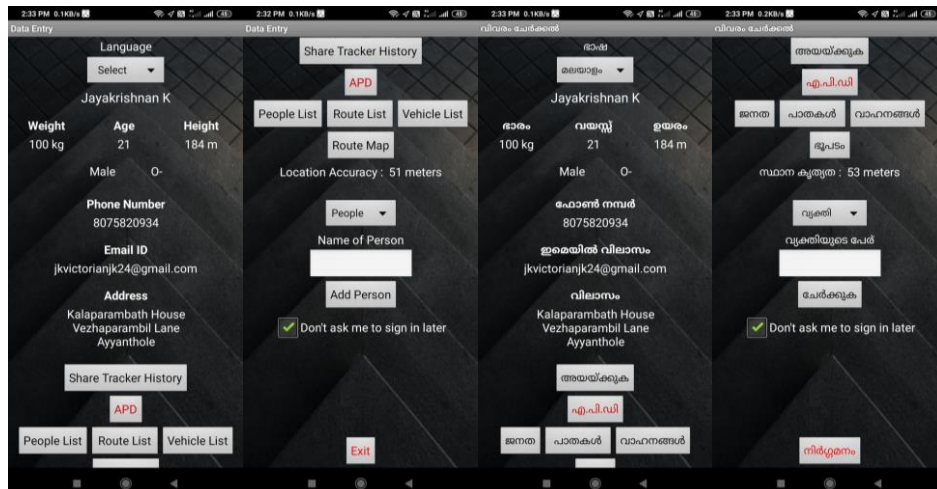
After successfully submitting these details a notification of submission is shown and you will see the **Sign In** screen as shown below.

Sign In Screen



Enter the User ID and password that you created in the previous **Registration** screen and click the **Sign In** button to sign in to the app. If your password matches with the password user-given, the user will see the **DataEntry** screen.

Data Entry Screen



The details of the user can be seen at the top of the screen. This

screen allows the user to add the events of meeting with people, use of any vehicle, and the changes in location. The user can see the map with his travel paths or locations by clicking the **Route Map** button and return to the **Data Entry** screen by clicking the **Back** button on that screen.

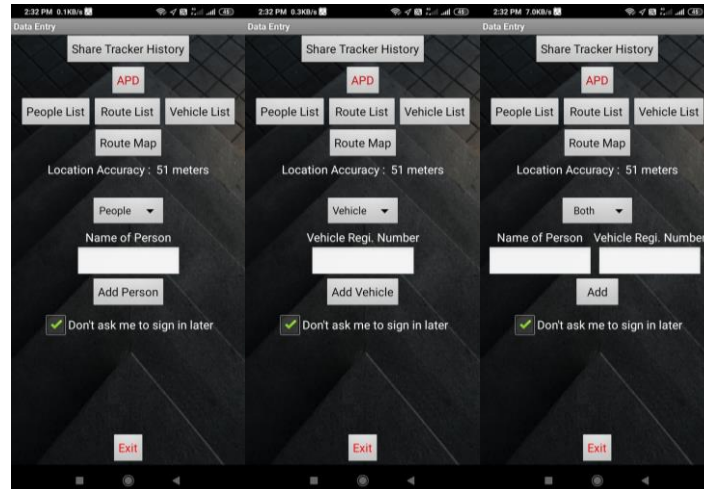
APD(Automatic Person Detection) This button will cause the app to detect a person if you talk with them, the app will sense that using Speech Recognizer and display an alert to add the name of the person and tell the user.

The app can automatically detect if the person is travelling in a vehicle(Location and mobile data must be enabled). At that time the app will sense the change using Location Sensor and display an alert to add vehicle registration number details and tell the user.

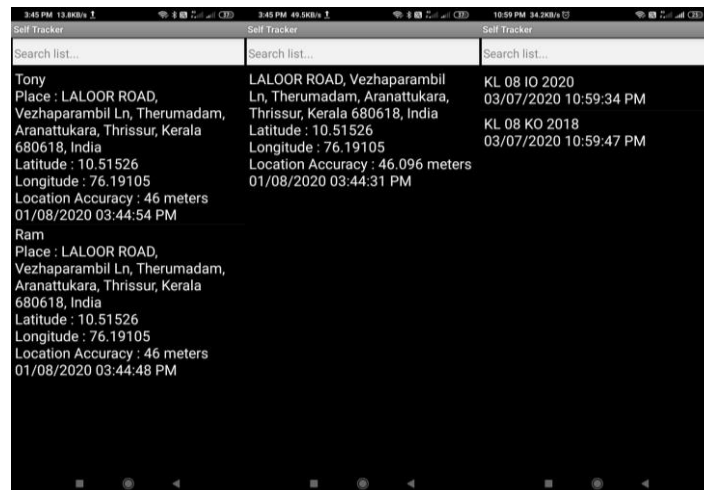
The drop-down menu below "Location Accuracy" is used for selecting whether to add a person or to add a vehicle or both. The user can select the appropriate selection required. If it is a person, enter the name of the person and click the **Add Person** button. Try to add person after the location accuracy is very accurate. That is the location accuracy in meters very low, less than 50 meter. The location accuracy is visible on the right of "Location Accuracy" label.

If it is a vehicle, enter the vehicle registration number and click the **Add Vehicle** button.

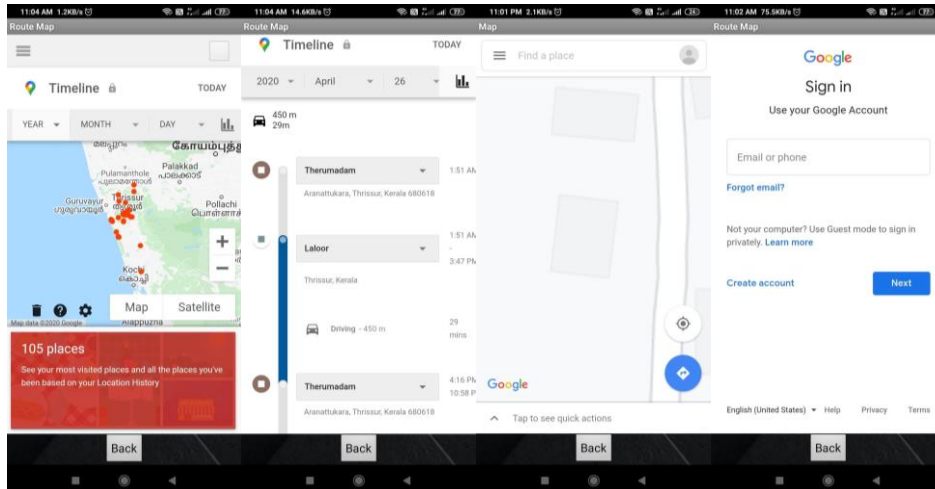
If you want to add both, select the **Both** option in the drop-down menu and enter the name of the person and the vehicle registration number in the allotted text boxes and click the **Add** button.



The user can see the list of; people met, route travelled and vehicles used by clicking the button **People List**, **Route List**, **Vehicle List** respectively.

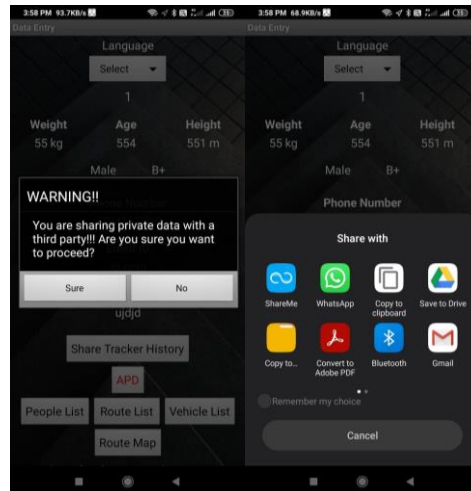


By clicking there the user can see the list. If the user clicks the required element of the **People List** or **Route List**, another screen with the indicating the location of the entry is shown. Since it uses Google Maps, you may be asked to sign in to your Google Maps Account.



Don't ask me to sign in later checkbox is to reduce the difficulty of the user by displaying the **Data Entry** screen right after the **Introduction** screen. If the checkbox is not checked you should always sign in to enter the **Data Entry** screen.

The Share Tracker History button allows the user to share the file containing the activity details of the user. Shaking the device also updates the location accuracy.



You can see the text file which includes all details you entered in the app in the internal storage with name **Self Tracker Data.txt**

For queries write to us at jkvictorianjk24@gmail.com

Thank you