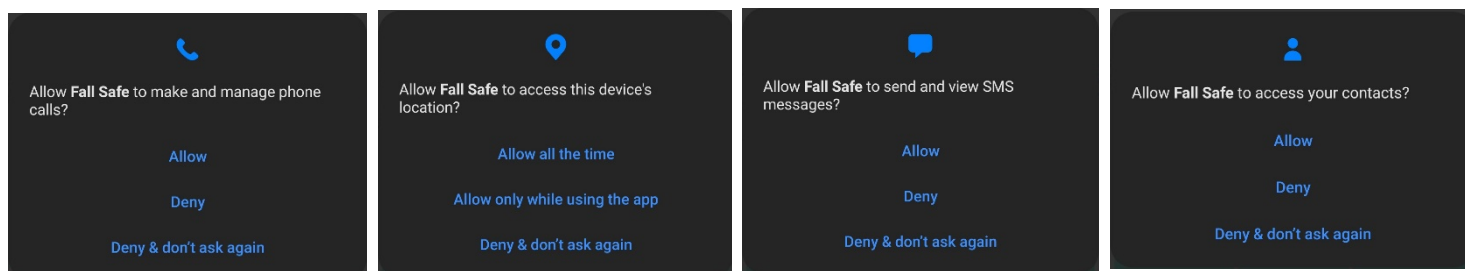# USER GUIDE

Our 'Epileptic Seizure & Fall Care system' detects the fall and alerts the care stakeholders immediately. This document is the User Guide of our application.

- ### Downloading and Installation:

After you download and install the application on your mobile phone, open it. The app will ask for the following permissions –

1. Permission to send SMS: This will be used to send SMS to your medical emergency contact list once the app detects a fall/ seizure. No extra charges/ resources are used here. It will comply with the standard regulations of your telecom provider.

2. Permission to manage and make calls: In case you have fallen and are hurt but still have consciousness, you can use the application to phone the police, hospital, emergency contact, or your home. Similar to SMS, our application levies no extra charges. The device must have a SIM Card.

3. Permission to read and share location: Your geographical location will be shared through SMS post-fall/seizure. Remember to turn on location services from your device to get the best results. Location is stored on the user's device.

- ### Setting up your preferences:

Once you have approved the above-discussed permissions, you can modify the emergency contact. To do this, click on "Emergency Contact" on the bottom left. Click on "Emergency Contact" and then on "EDIT CONTACT". Now enter the Name, Contact Number, and Help Message of your choice. The provided information will be used to contact through SMS if a seizure/fall is detected.
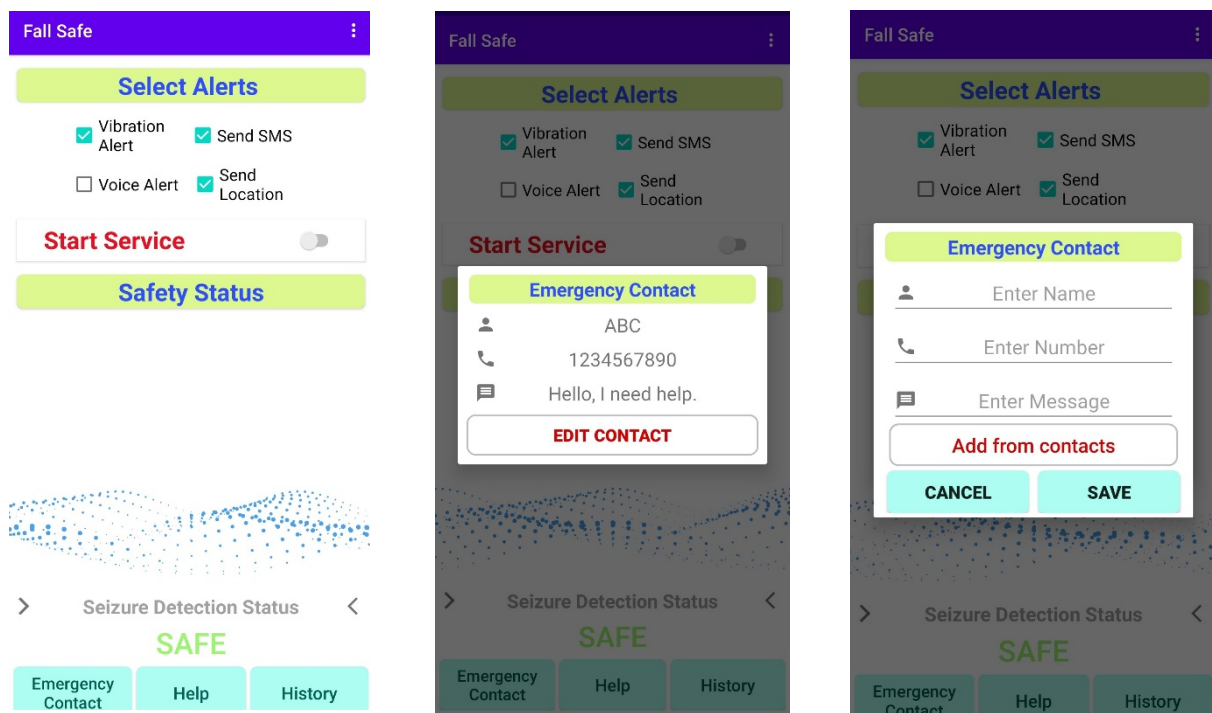
- **Additional Settings for POLICE, HOSPITAL, AND HOME CONTACTS:**

The app is designed to function autonomously when a fall/seizure is detected, as most of the time, consciousness post-fall/seizure might not be the case. However, if the user is aware enough to operate, he/she can use the Help Window to call the Police, Hospital, Home, or Emergency Contact.

To modify/set these contacts, follow the steps below.
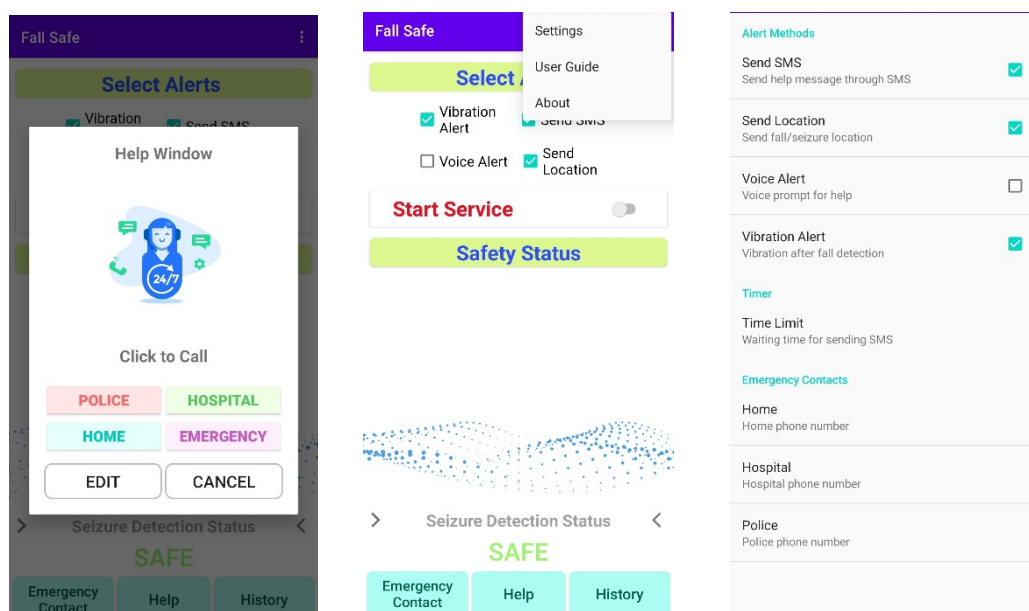
To open the help window, click on "Help" at the center bottom of the app's home page. You can now click on "Edit" to make changes to contact numbers.

OR

You can also edit contact numbers by opening "Settings". To open Setting, click on the three aligned dots icon on the top right corner of the home page. Then click on Settings.

Now you will see the Settings Window. Scroll down to the "Emergency Contacts" section and then tap on any Home, Hospital, or Police to edit the Number. After you enter the desired Number, click on OK to save.

- **Getting Started:**

Now, after setting all preferences. The emergency contact, remember that this is the contact that will receive the SMS in a fall/seizure event. The additional contacts (Home, Police, Hospital) are optional and can be called if needed.

To enable monitoring of your activities, click on the "Start Service" check button on the app's home page.
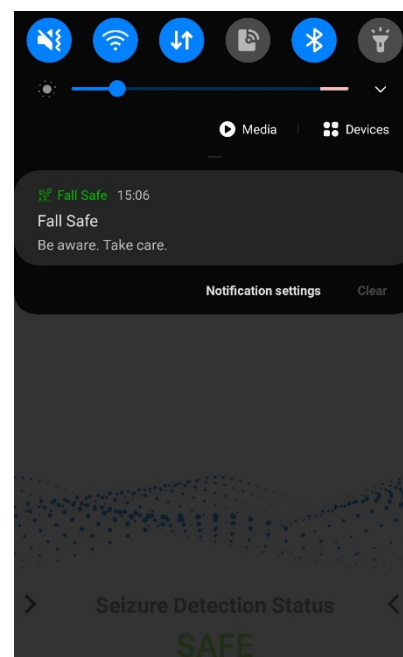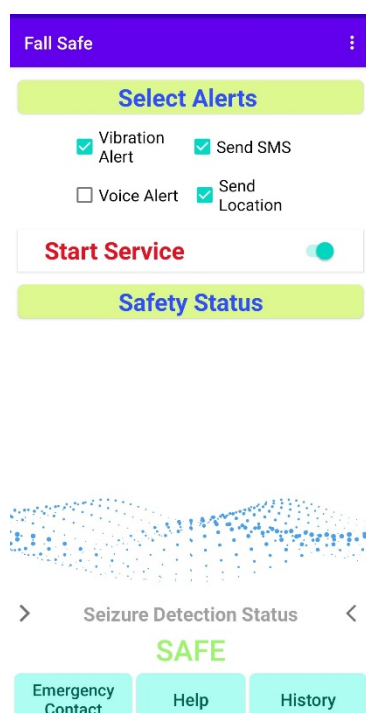
Once you start the service, the app runs as a foreground service and will continue to function even if the device enters sleep mode or even if the app is closed. To ensure that the service has started, you can check if the start service check box shows a green slide (grey when the service has not started). Additionally, you can see the foreground service running on the notification bar.

You can also set alert customizations in case a fall/seizure is detected. E.g., the above Image (1st figure) shows that the user has disabled "Voice Alert". These alerts can be modified using the checkboxes on the home page or in the "Settings" section.

(To get maximum help and attention in an unfortunate event of fall/seizure, kindly select all options).

- **Seizure/Fall Detection:**

Once a seizure/fall event is detected, the app will autonomously initiate the emergency help process. It will announce, "Seizure/fall has been detected, help message will be sent in thirty seconds" using the phone's speaker. During the thirty seconds (customizable) buffer time, the notification bar will count down the remaining time and simultaneously display the "Cancel" button. (See Image on left)
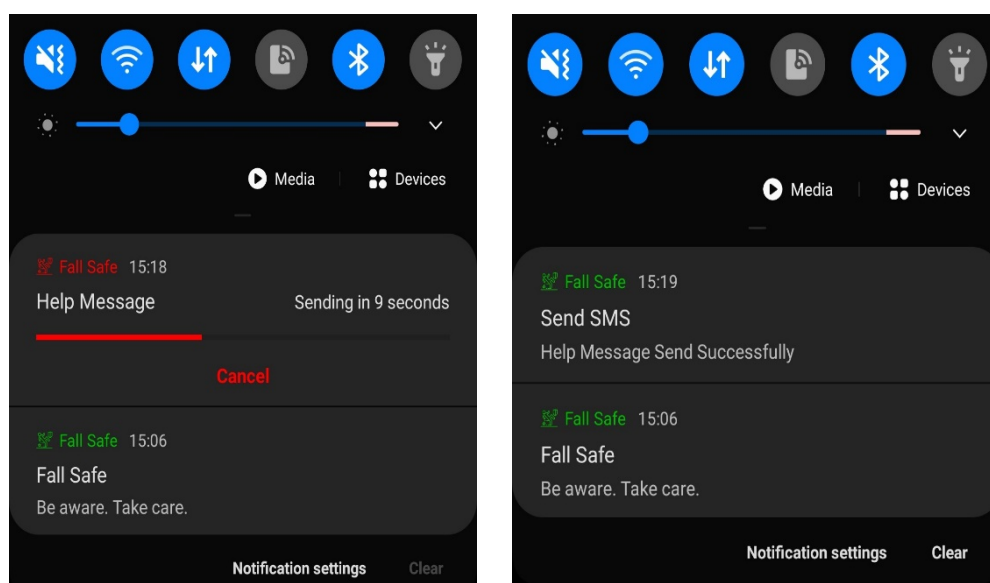
If the user has fallen or had a seizure, DO NOT press the Cancel button as it will terminate all emergency procedures.

After thirty seconds, the Help Message will be automatically sent to the Emergency Contact the user had configured earlier. (Help Message Sent Confirmation in Right Image). And a voice alert will prompt every 5 seconds attracting local help with the message "Please, help me" with max volume from user's device.

- **Fall/Seizure Detected Incorrectly:**

In case that the app has categorized any event as a fall or seizure when actually it is not, the user can stop the emergency procedure easily.

Select the Cancel option on the notification bar. (Image on the left)
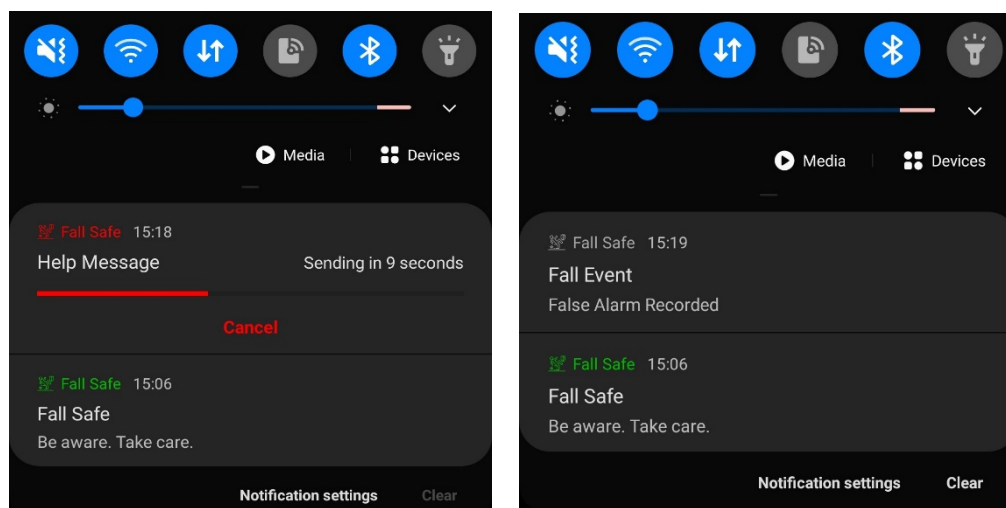
Once you cancel the emergency procedure, the app will document the event as a false alarm, and NO Help Procedure (SMS/ Location/ Voice/ Vibration) will be initiated. (See Image on the right)

- **Viewing and Sharing History of Events:**

The application will also log every event as a fall/seizure or false alarm for future reference. You can share these through all significant communication channels present on your smart device.

Notice the different icons to recognize recorded events as a Fall/Seizure or False Alarm. Users get a note feature to record/pre-post event details.
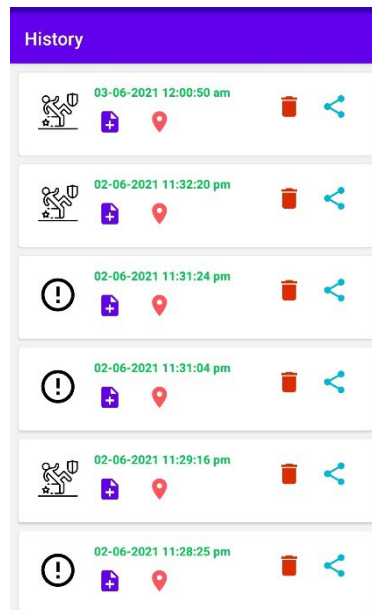
To share the log, tap on the share button and select the medium of sharing information.