Road Safety Concern App

Operation Manual

(Version 1.0.0)

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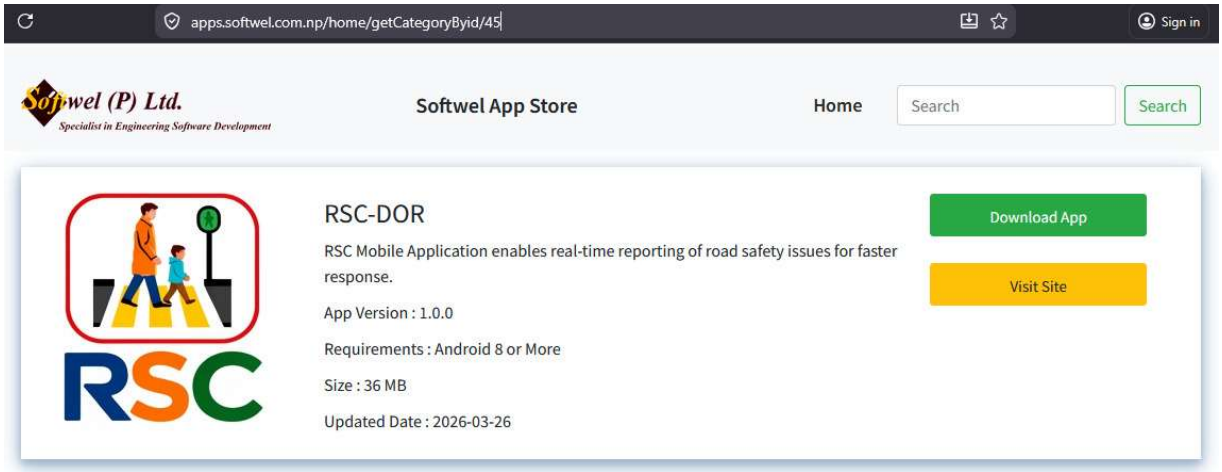
Part I: Mobile Application

MOBILE APP INTRODUCTION

Road safety is a critical public concern, with accidents, hazards, and inadequate infrastructure contributing to significant loss of life and property worldwide. To address this, there is a need for a user-centric software platform that empowers citizens to report road safety issues in real-time, while enabling authorities to respond efficiently.

1 APP INSTALIATION

User can install the Android app from Softwel App Store RSC-DOR. Or can be downloaded from the google play store

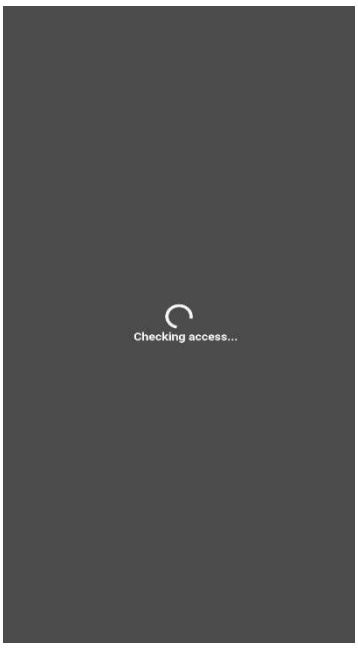


2 SPLASH SCREEN

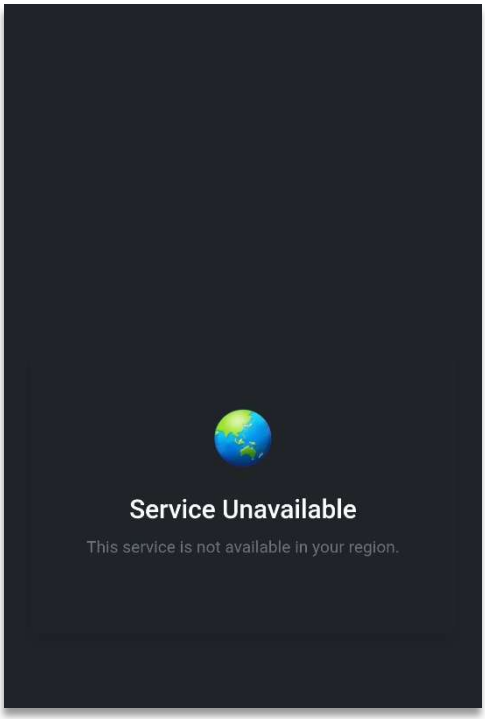
At the beginning users are shown the Splash Screen with logo, followed by checking if mobile phone location is inside Nepal.

The checking is done to insure it is inside the country else app will not work.

Checking Mobile Location:



If the user location is not in Nepal user will not be allowed access app.



3 LOGIN

After splash screen page user is led to home page. The home page has all parameter and top bar contains “Home Button”, “Login” and “About”.

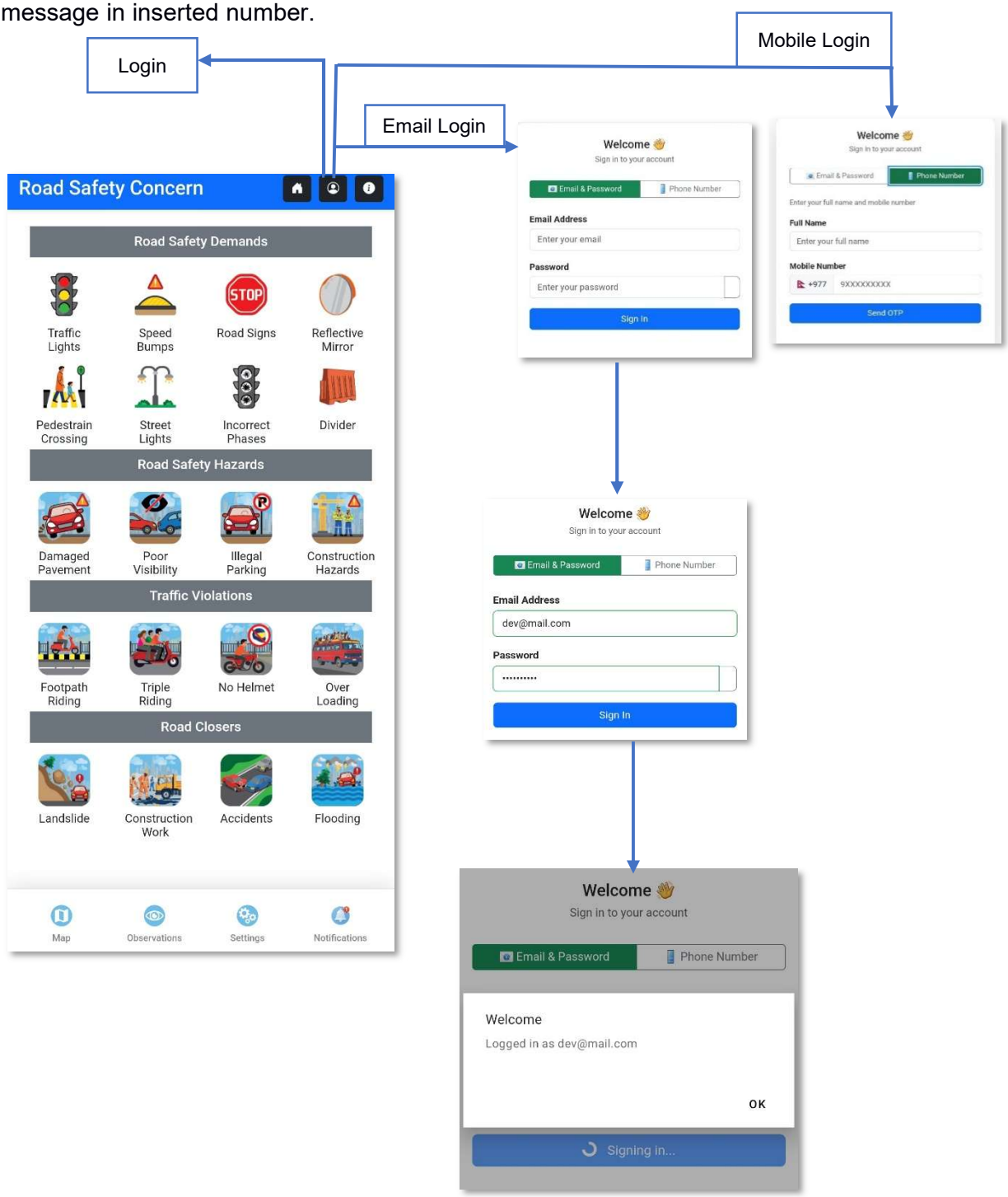
The first thing you have to do is login in app to access any parameters, settings observation and notifications.

Login is done by two ways Email and Mobile registration.

Email login can only be done in app if the email is registered in website.

https://rsa.softavi.com/

Mobile login can be done by mobile number and user name with created OTP received by message in inserted number.

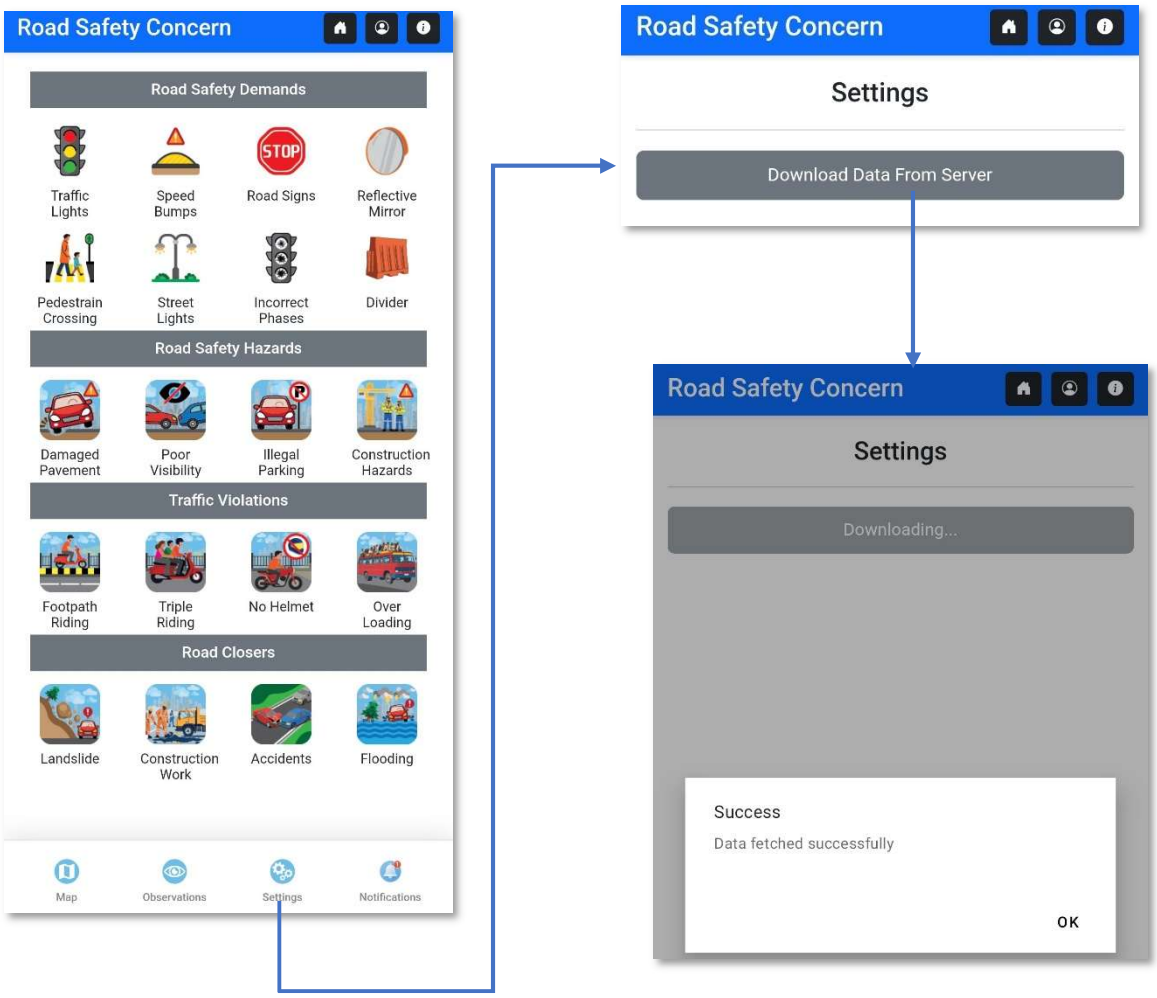


4 HOME PAGE

Home page is the main page of app it contains all parameters related to road safety, hazards, traffic violation and road closers. At top bar it has home button, login and about. Bottom bar contains map, observation, setting and notification.

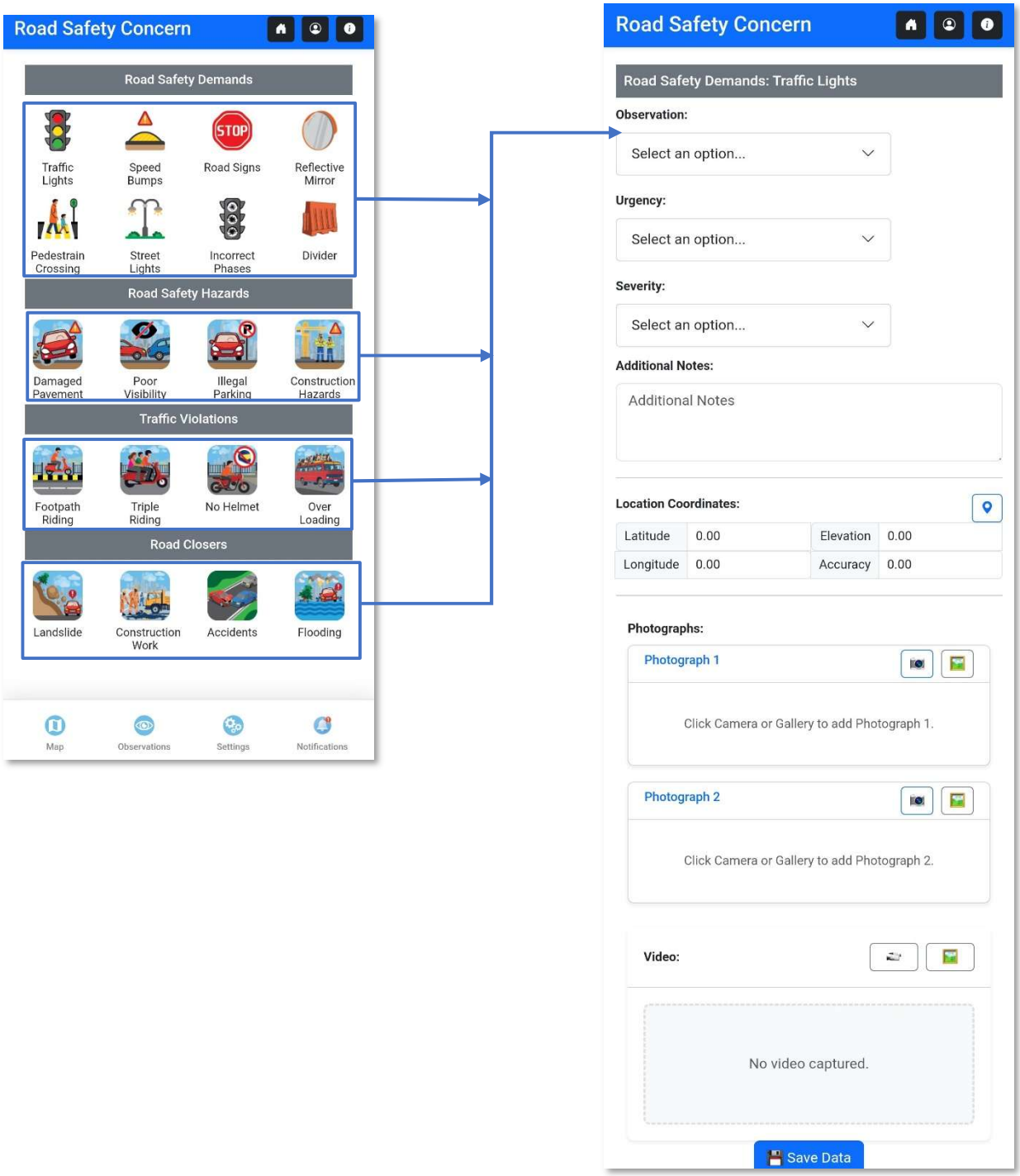
4.1 Download Data

The first thing you have to do after login is to download necessary data for the app from settings.



4.2 Dashboard Details

The parameters lead to page to file issue related to selected parameter that matches the issue that user want to file.



Choosing parameter open the form to be filled which describes the issue and user and fill the form by selecting options, inserting photo and video and inserting notes/remarks.

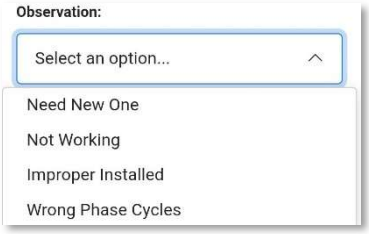
The form fields are:

1. Observation
2. Urgency
3. Severity
4. Additional Notes
5. Location Coordinates
6. Photographs and Video

Observation

Observation contains list of condition that the selected parameter has currently like:

1. Need New One
2. Not Working
3. Improper installed
4. Wrong Phase Cycle



The observation list differs for each parameter.

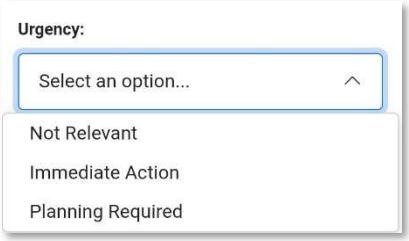
It is tailored specifically to suit individual parameter requirements.

Urgency

Urgency explains the need of how fast action is required to complete. It has option to choose by user which are:

1. Not Relevant
2. Immediate Action
3. Planning Required

Urgency list same for all parameters.

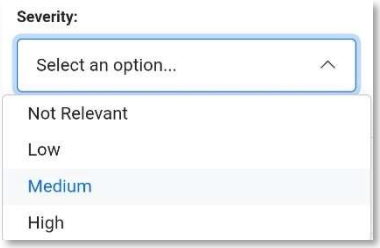


Severity

Severity has list of options to specify seriousness of parameter list contains:

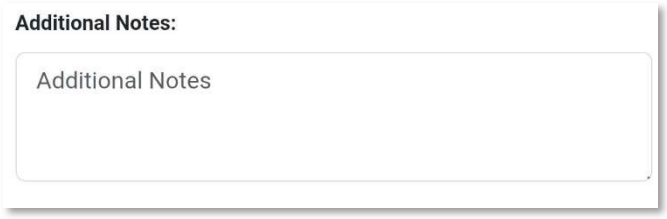
1. Not Relevant
2. Low
3. Medium
4. High

It is same for all parameters



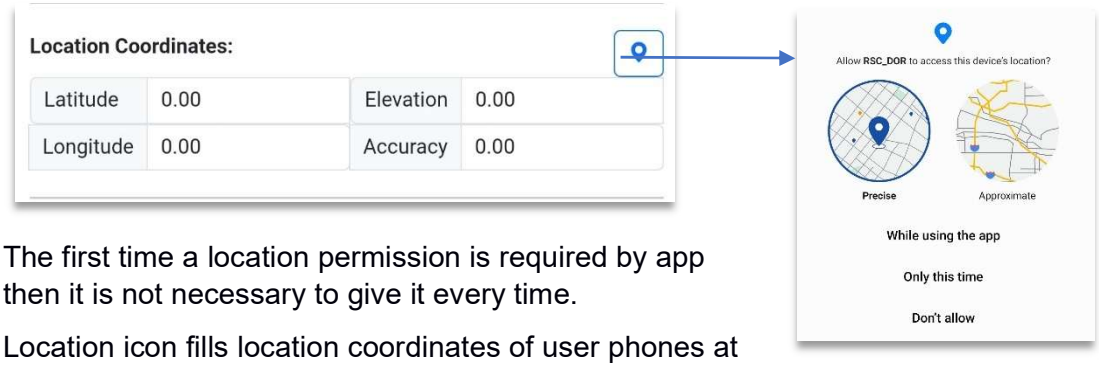
Additional Notes

Additional Notes is a field to user to put inputs of condition.



Location Coordinates

Location Coordinate is used by user to locate the location of issue.

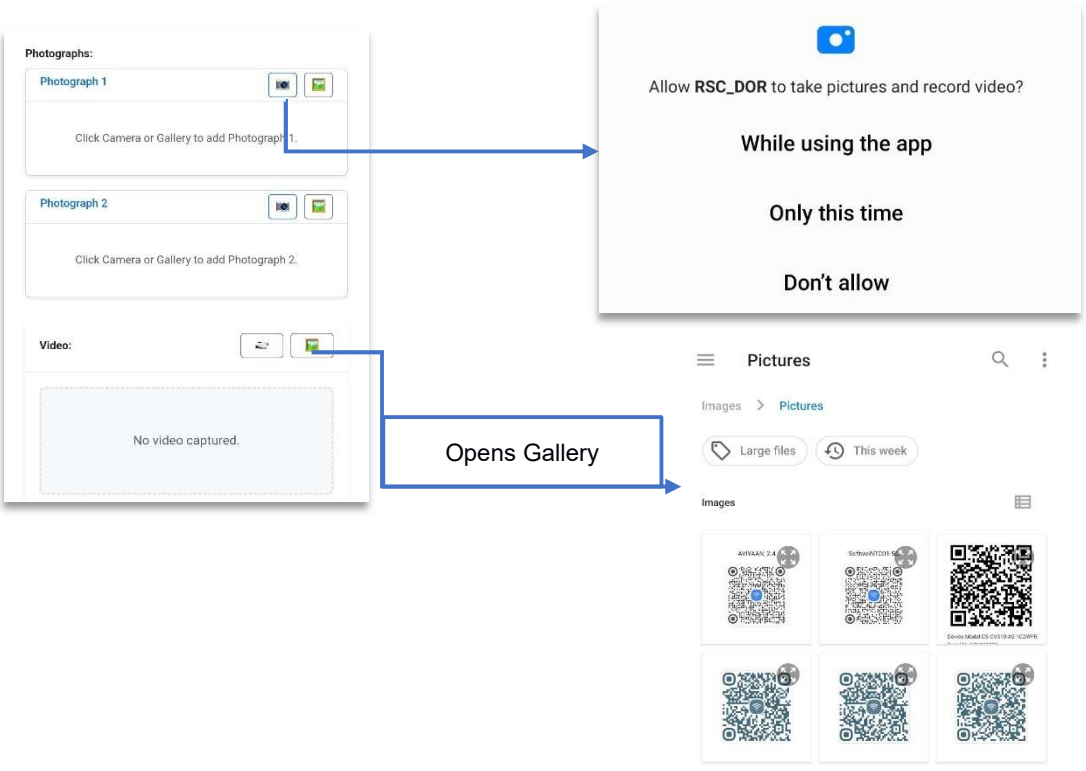


The first time a location permission is required by app then it is not necessary to give it every time.

Location icon fills location coordinates of user phones at the time.

Photographs and Video

There is two field to fill photographs of issue by user. The first clicking camera button ask permission to user by app then it is not needed. There is also option to upload video and photo from gallery. The video must not exceed 20 sec.

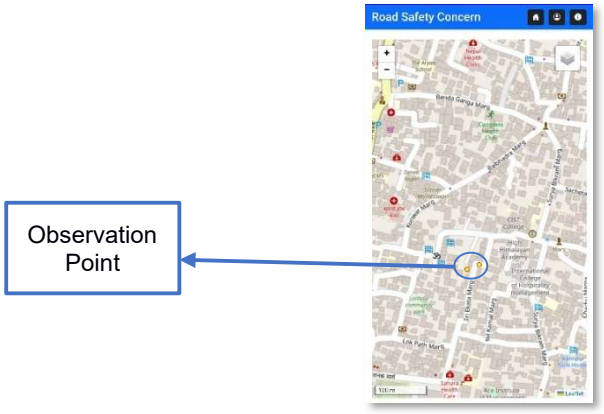


5 BOTTOM BAR

Bottom bar contains map, observations, settings and notification.

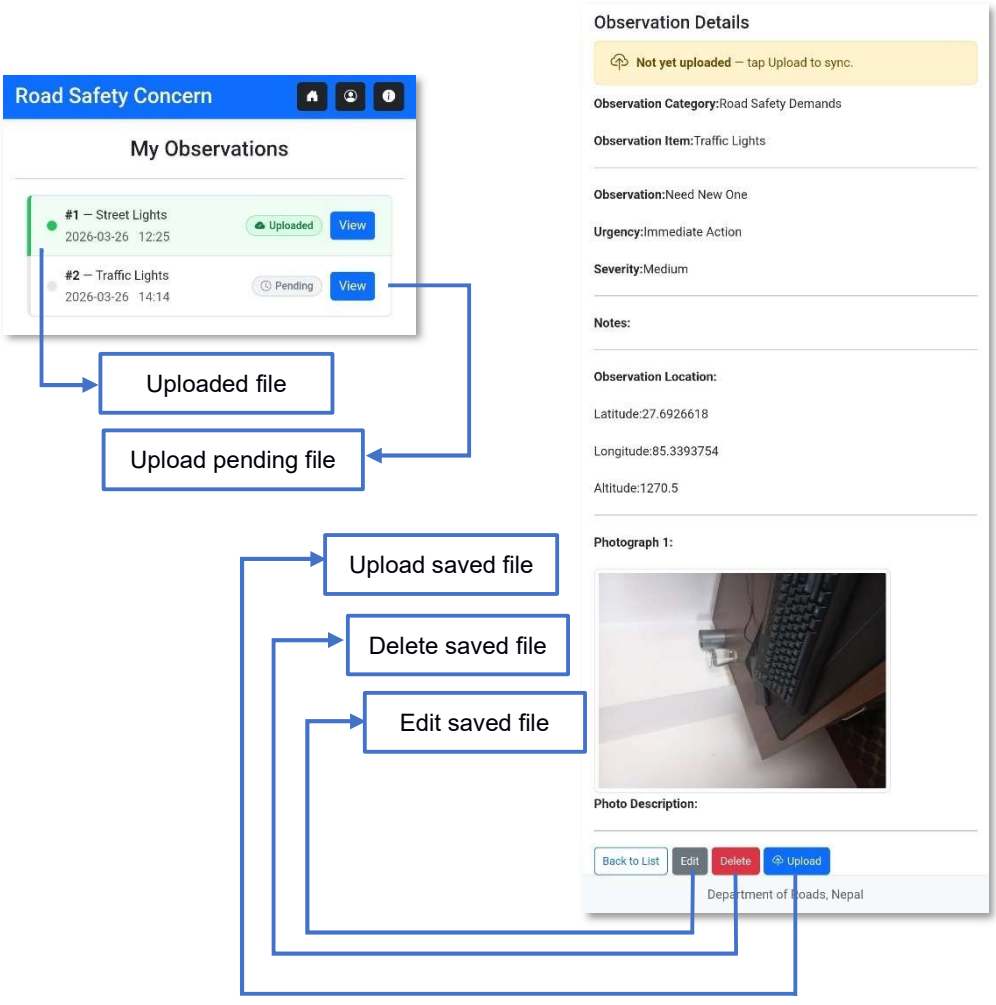
5.1 Map

Map displays map of observation location.



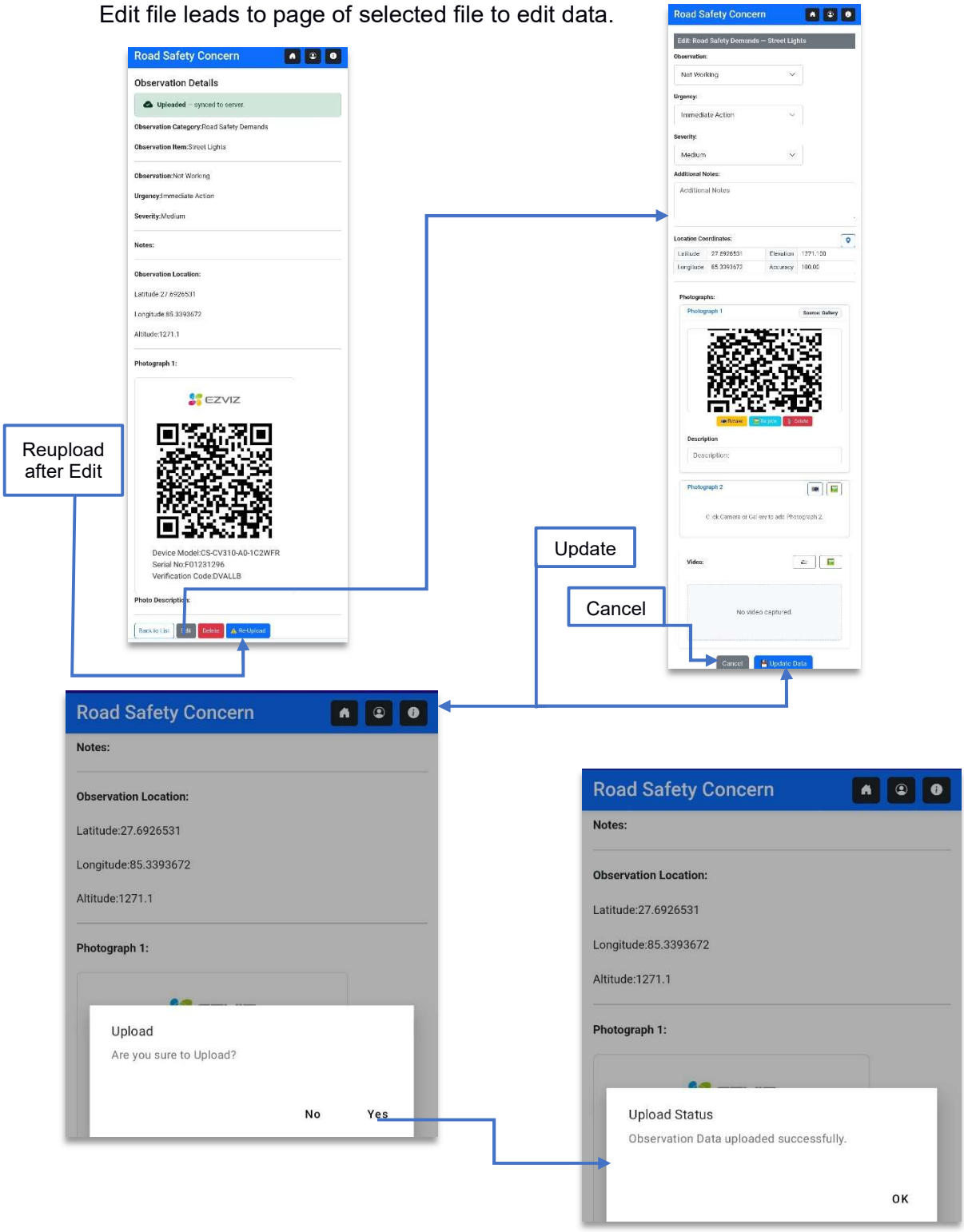
5.2 Observations

Observation shows list of saved files. If uploaded it shows green and uploaded else it shows pending. It has view button to view file and “Edit”, “Delete”, “Re-Upload” if required.



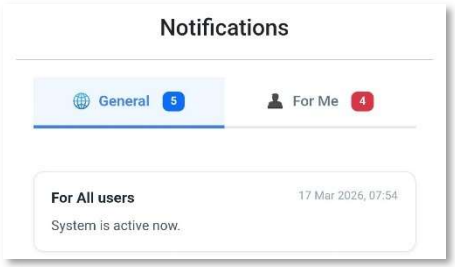
Edit file

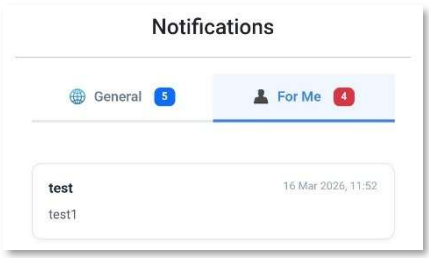
Edit file leads to page of selected file to edit data.



5.3 Notifications

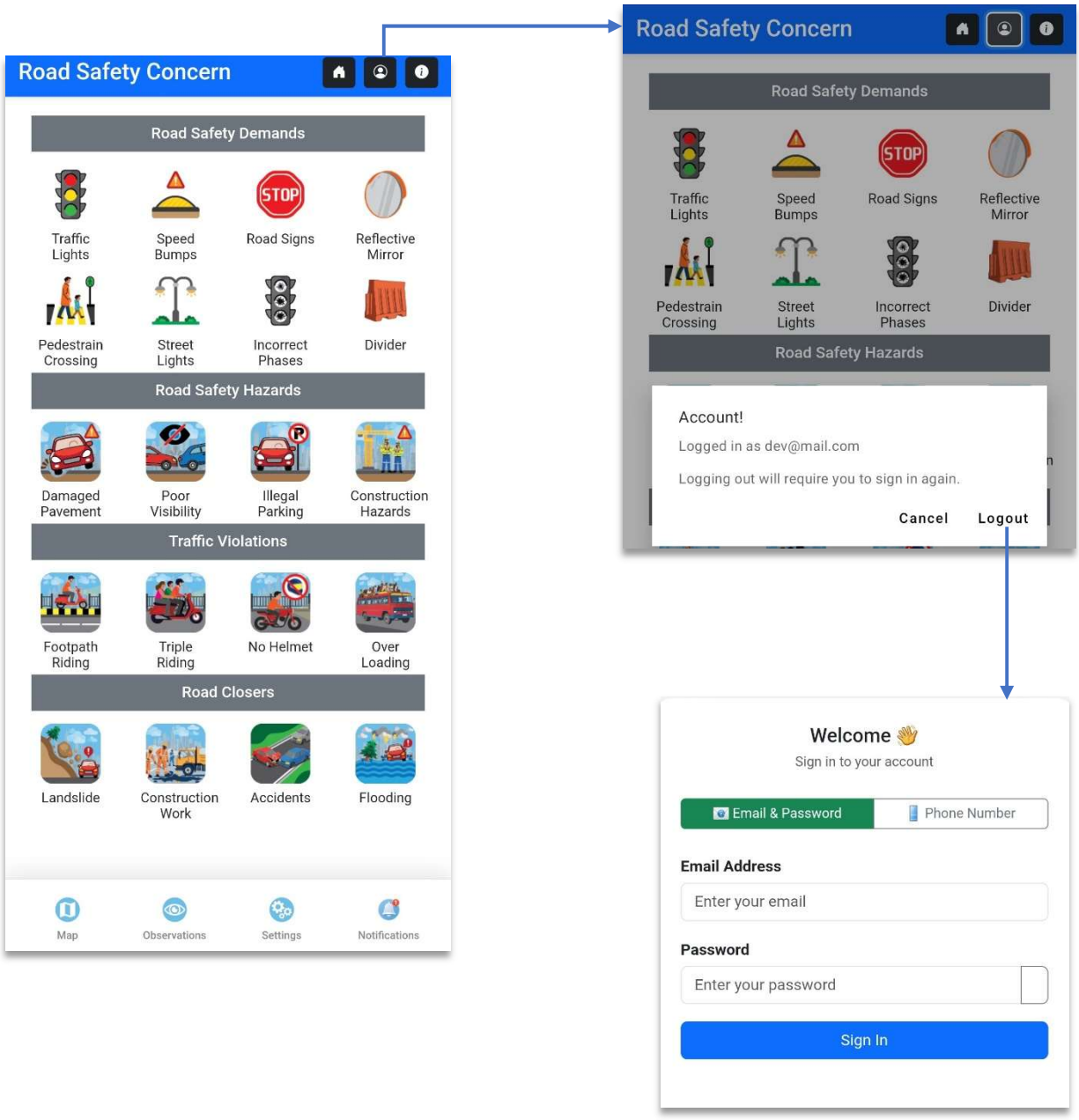
Notification is page where user gets notifications in the app. It has general and personal(user) tabs.





6 LOGOUT

User can log out by clicking person icon. After logout it will reach to login page.



Part II: Web Application Manual

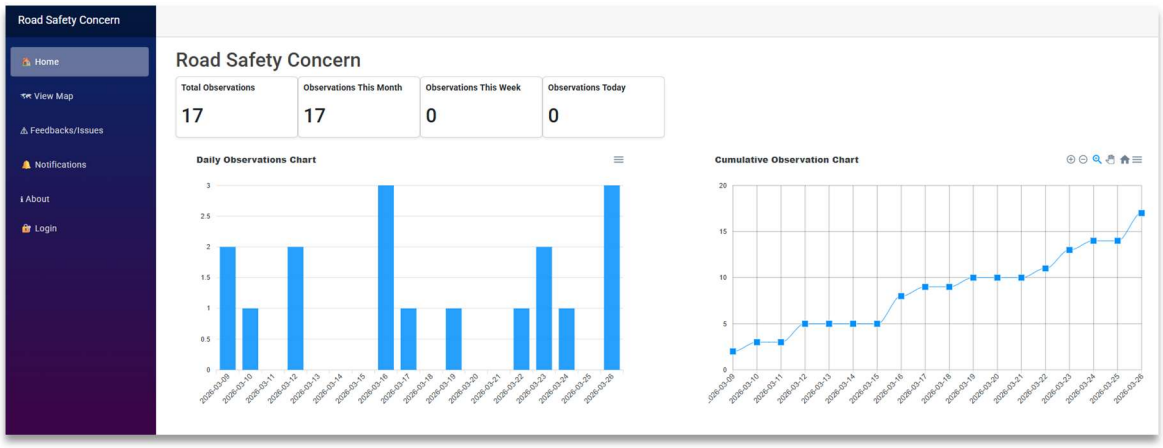
WEBSITE INTRODUCTION

Road safety is a critical public concern, with accidents, hazards, and inadequate infrastructure contributing to significant loss of life and property worldwide. To address this, there is a need for a user-centric software platform that empowers citizens to report road safety issues in real-time, while enabling authorities to respond efficiently.

The website link is:

https://rsa.softavi.com/

7 HOME



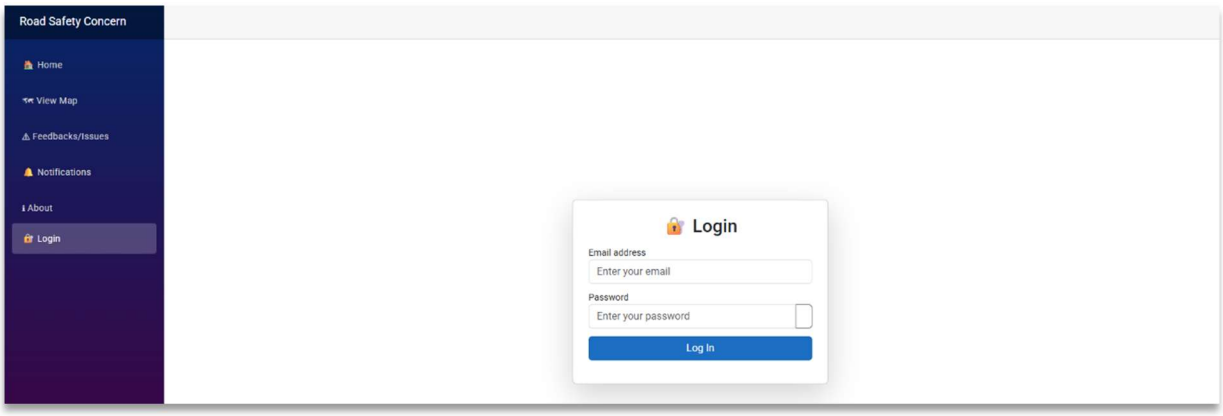
The home page display details of:

1. Total observations.
2. Observations taken this month.
3. Observations taken this week.
4. Observations taken today.

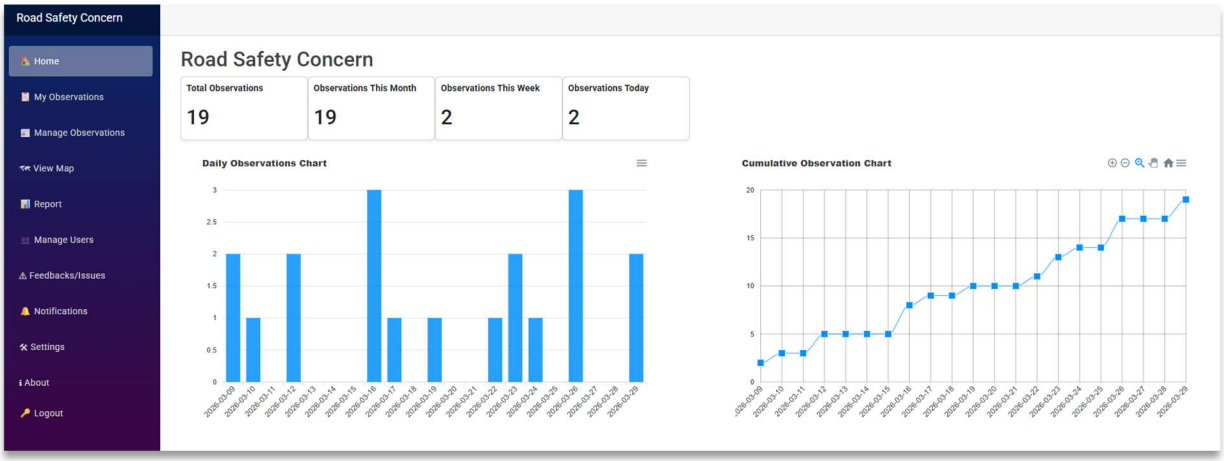
The home page shows bar graph of daily observation chart.

The home page shows cumulative observation chart.

8 LOGIN



Enter the Username (which is your Email) and Password provided by the Admin. Once email and password are verified you will be logged in to the system.



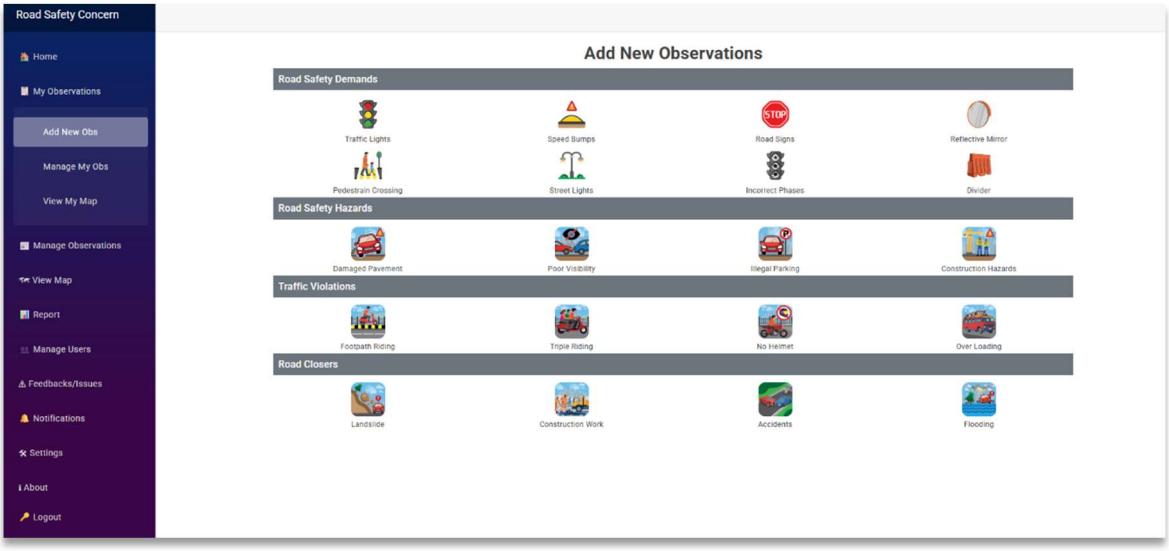
After login extra menu can be seen.

9 MY OBSERVATIONS

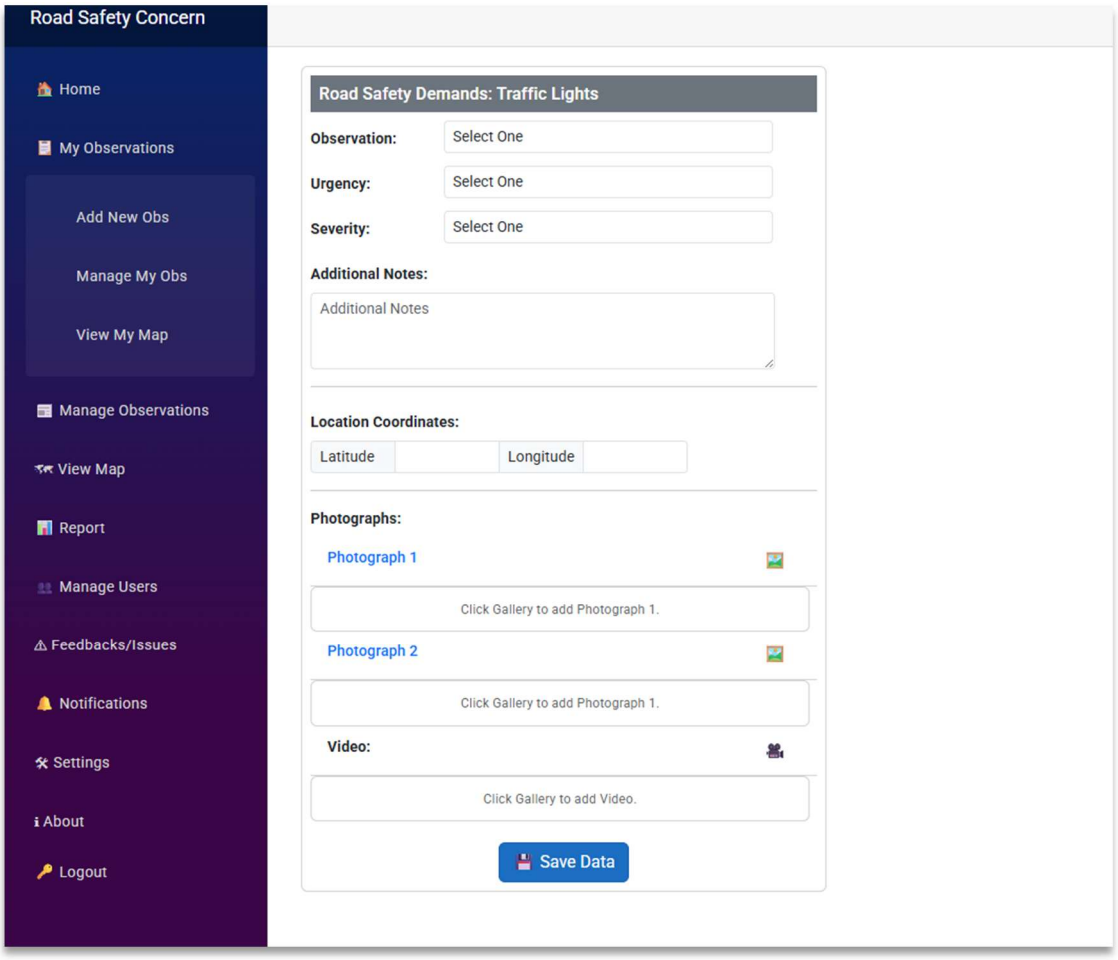
My observations show user observations.

9.1 Add New Observations

This allows the user to add new observation by user

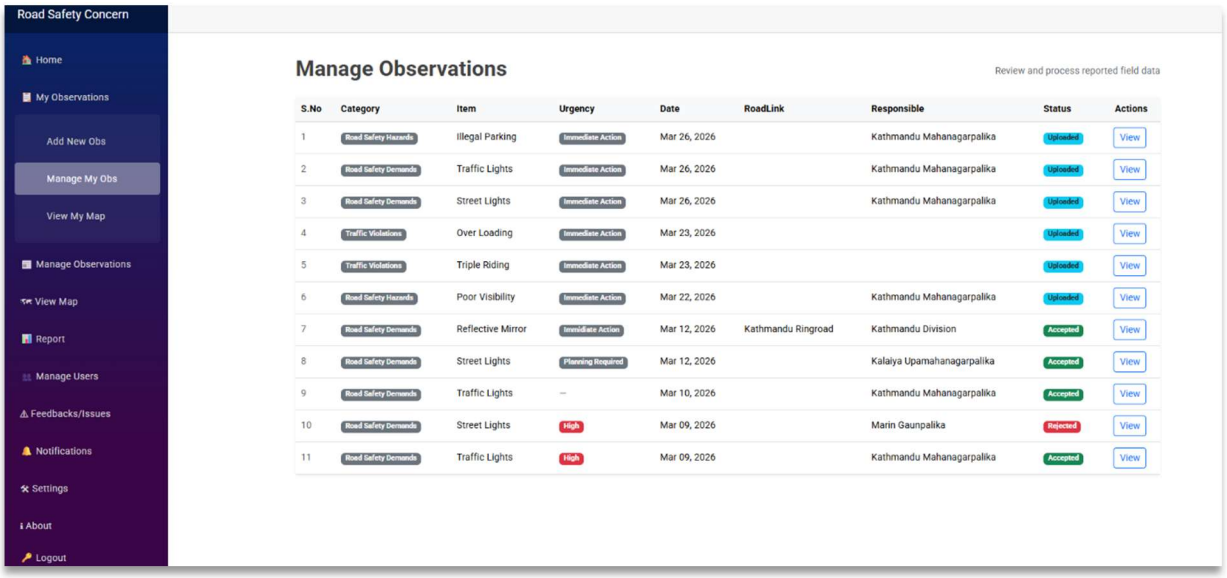


The selected parameter opens form to fill data. This fields are same for all parameters only observation list is different to other parameters.

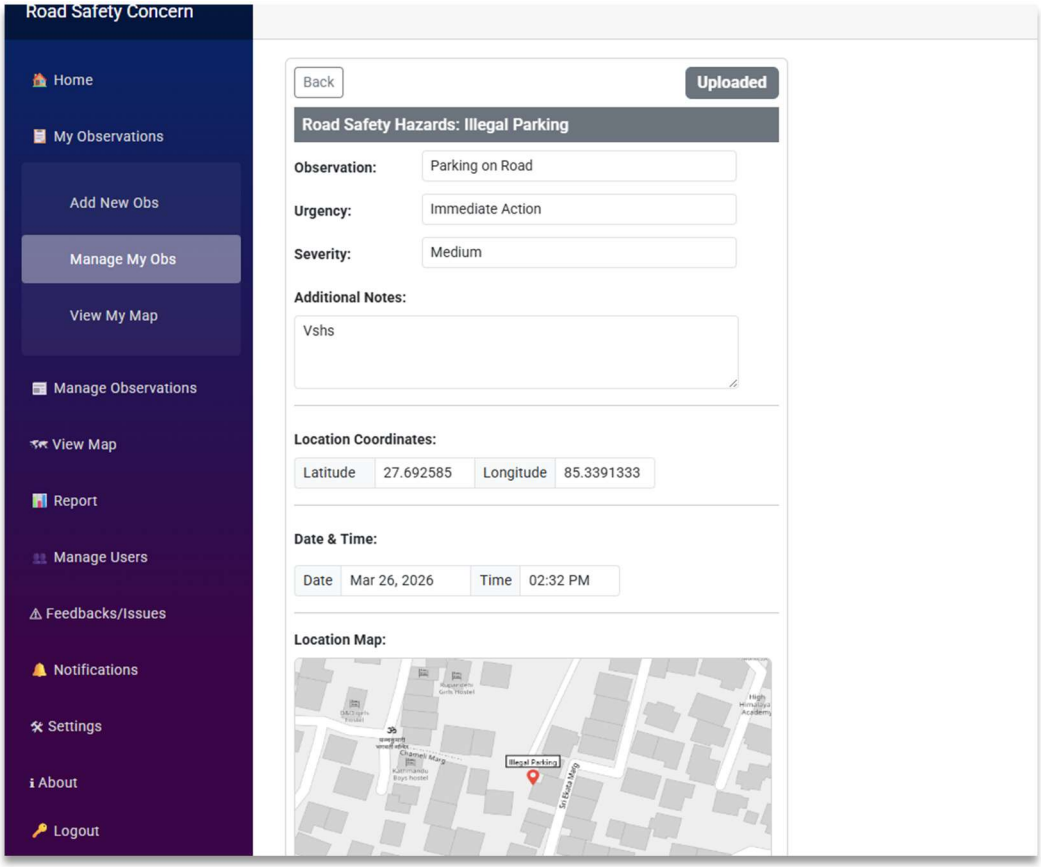


9.2 Manage My Observations

This shows list of observation made by users.

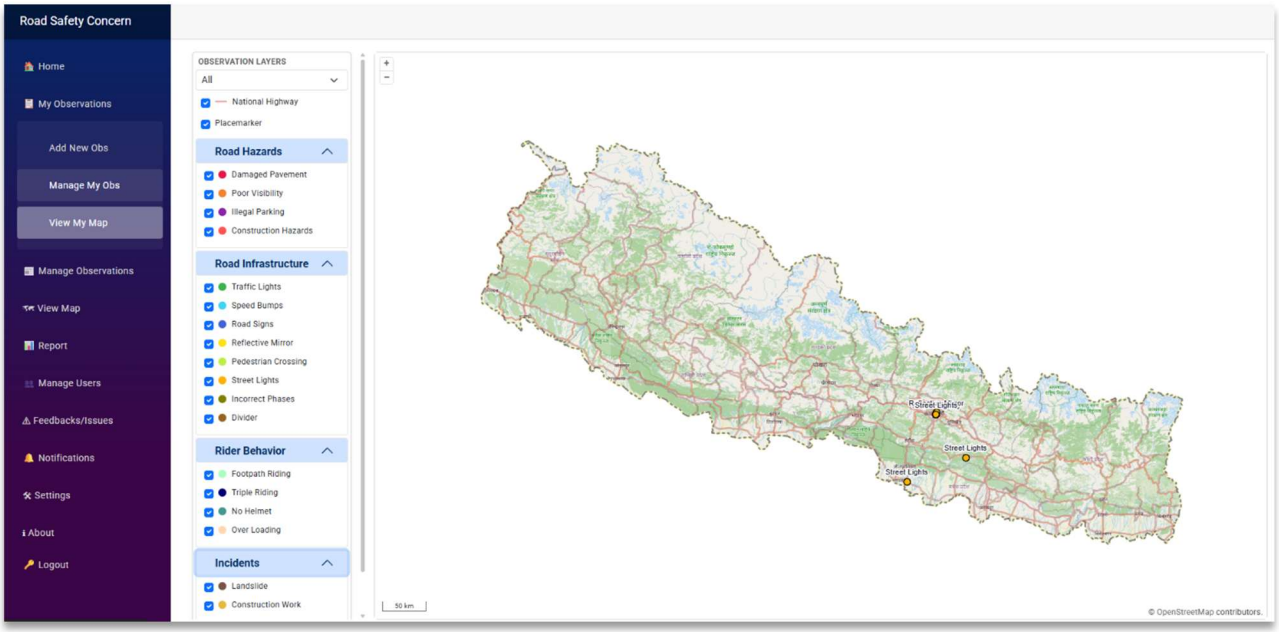


The view button gives details of observation.



9.3 View My Map

The map show observation made by user. There is observation layers at left side with filters provided related to map.



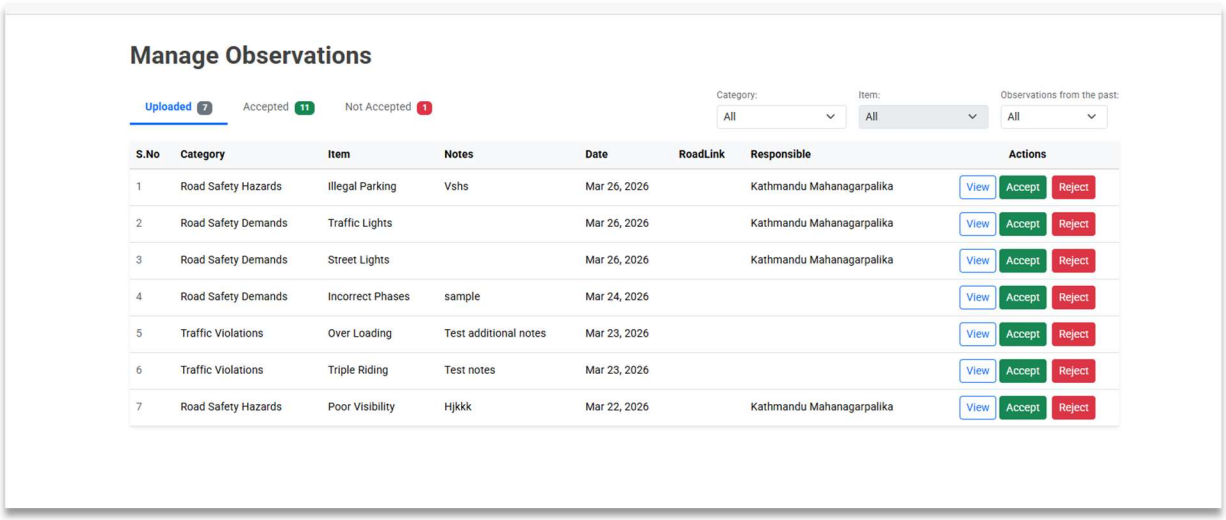
10 MANAGE OBSERVATIONS

This page is only for admin. This page has 3 tabs:

10.1 Uploaded

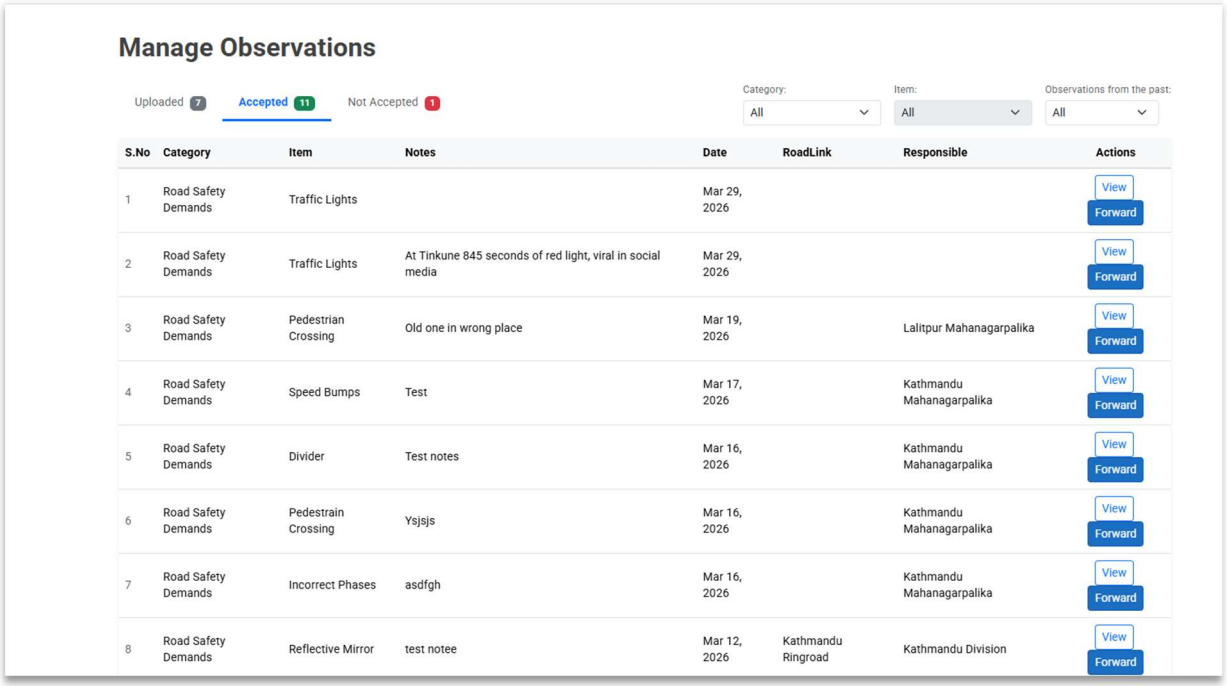
The Uploaded tab contains new uploaded observations made by users.

The view button allows to view observation then admin can either accept or reject the observation.

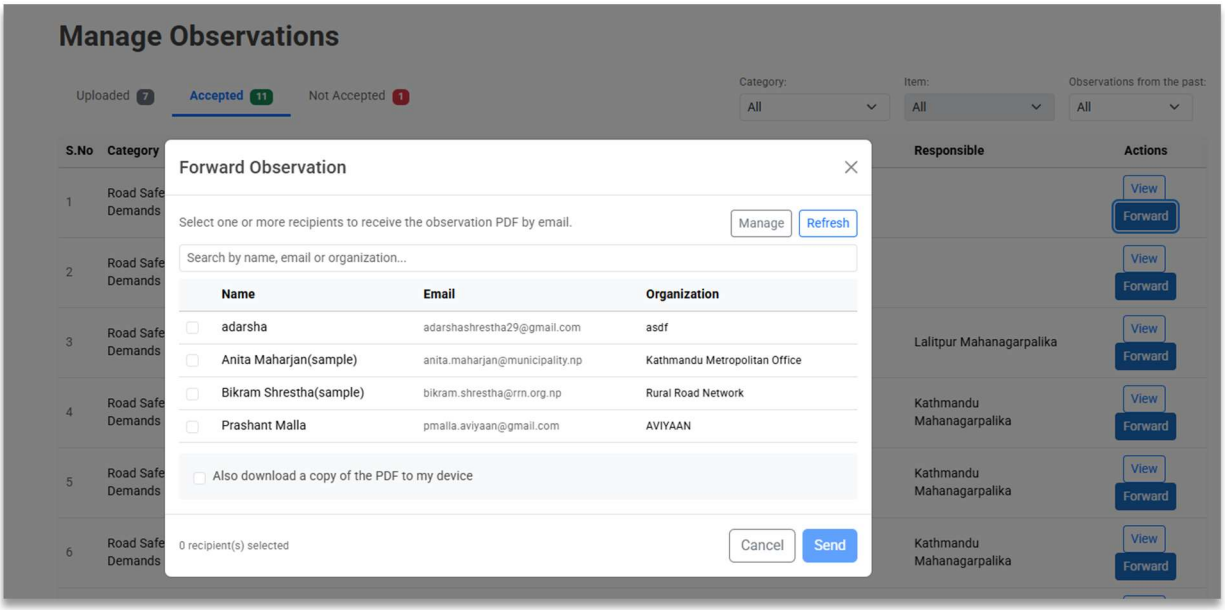


10.2 Accepted

The accepted tab contains list of observation accepted by admin with view and forward button.

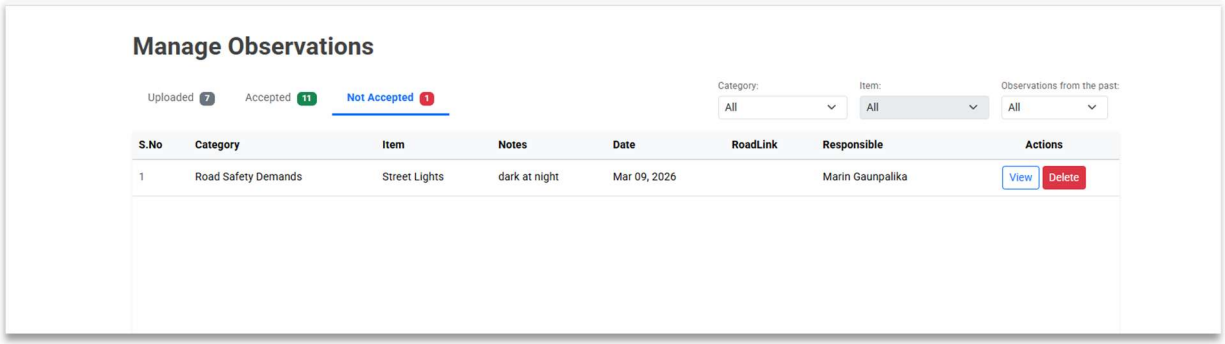


The view button gives details of observation.
Forward button open box to select whom the selected observation pdf to be sent.



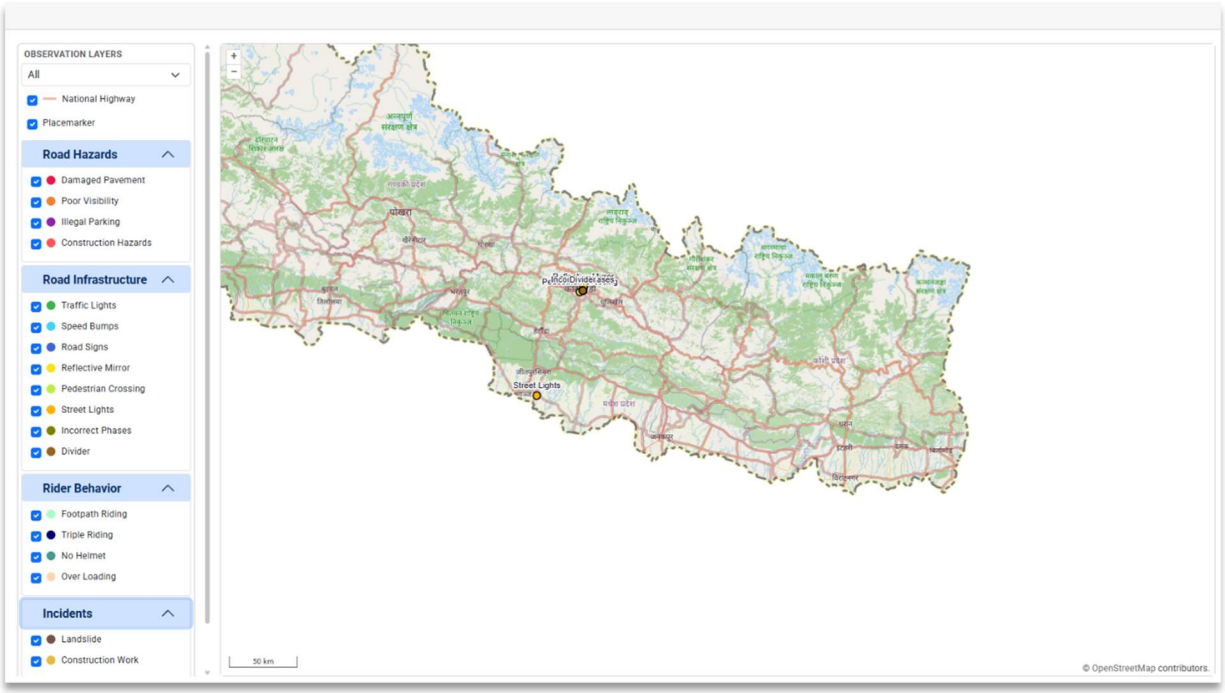
10.3 Rejected

The Rejected tab contains rejected observations by admin with delete button to delete the observation.



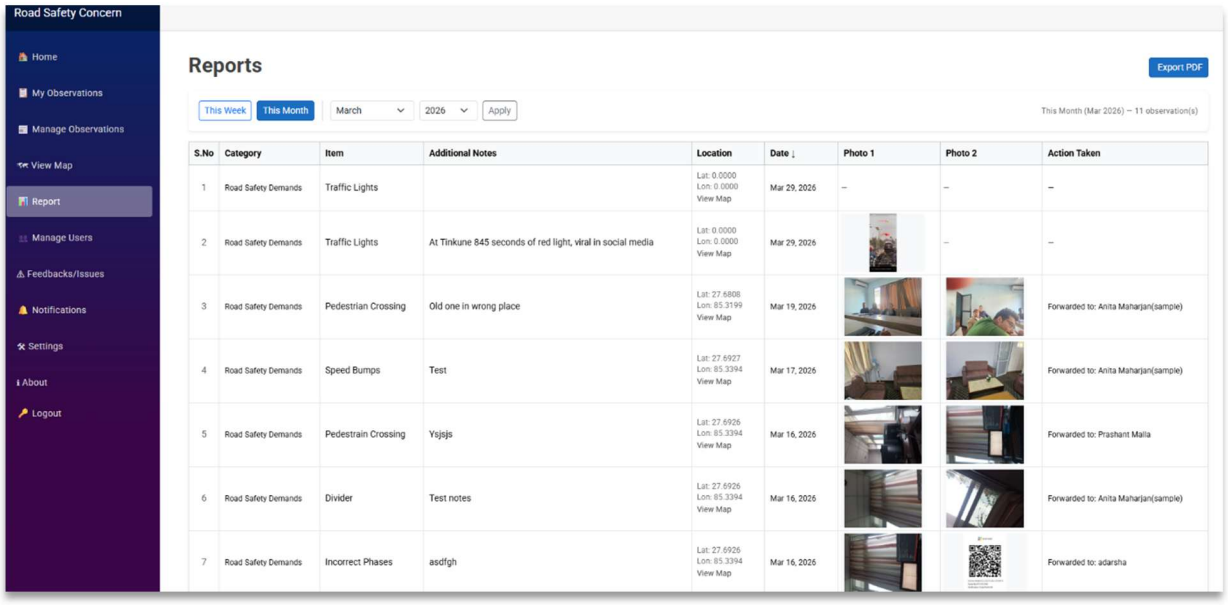
11 VIEW MAP

The map contains observations made by users. The observation pint is shown by circular pointer. The map left side has filters related to the map.



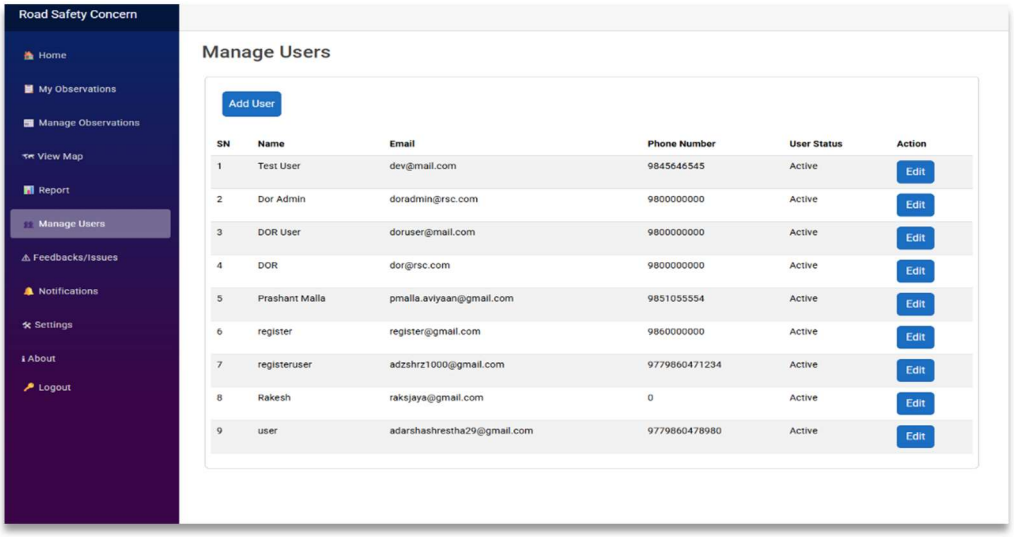
12 REPORTS

The report page gives report of accepted observations by admin. There is option to download report in pdf by Export Pdf button.

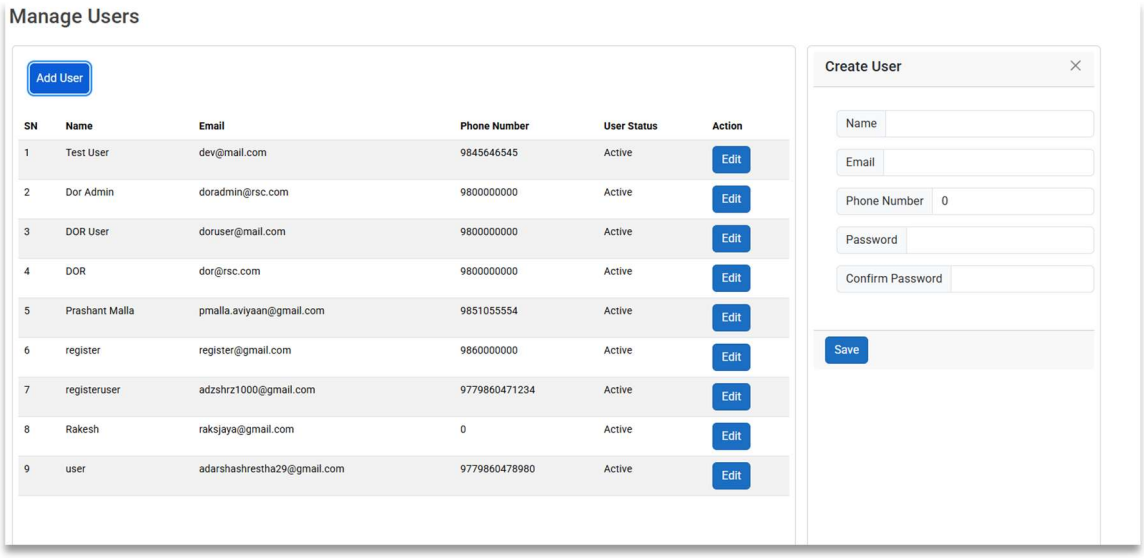


13 MANAGE USERS

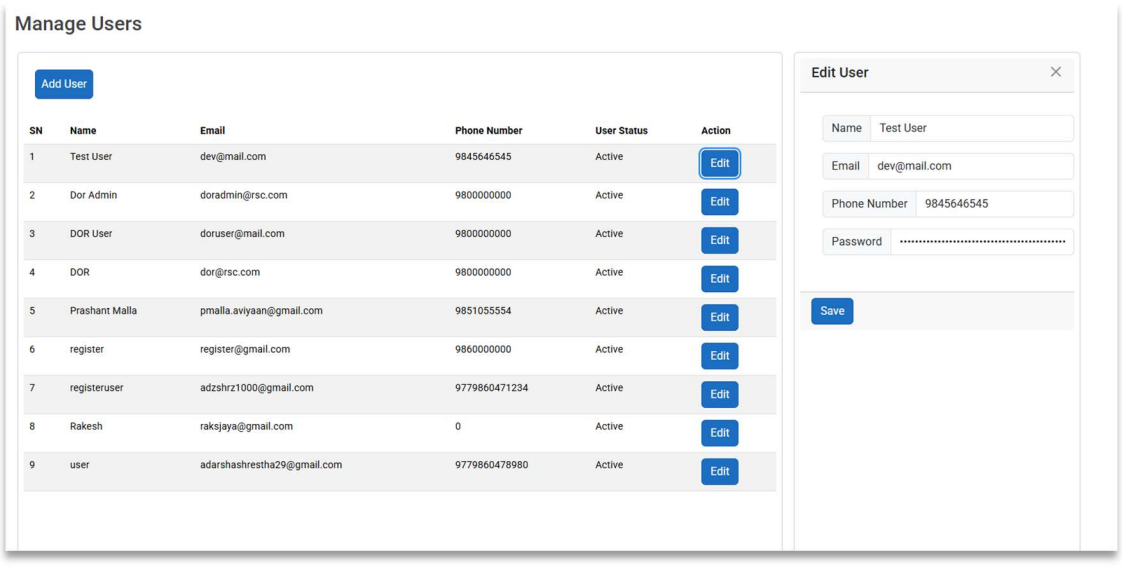
This page allows admin to manage users.



The admin can add new users by Add user button.



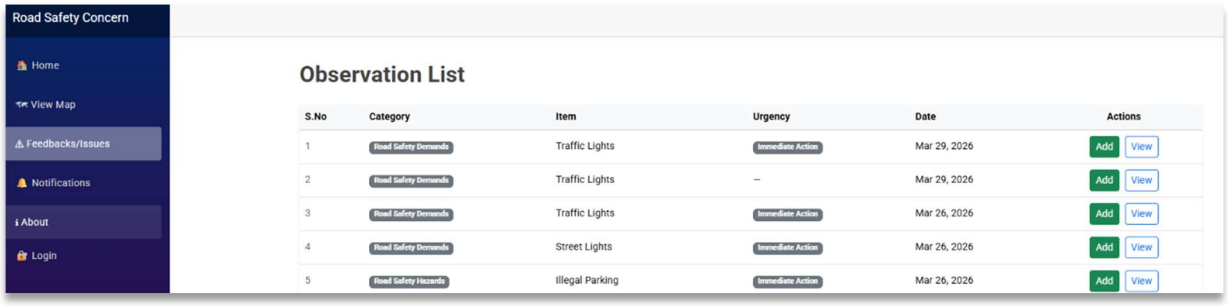
The admin can edit user by Edit button.



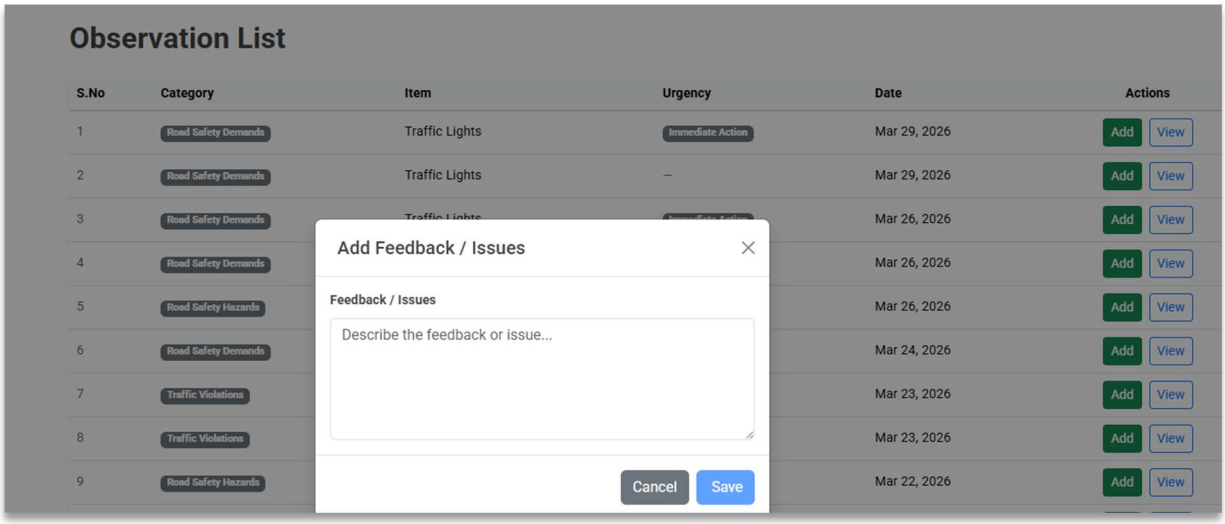
14 FEEDBACKS/ISSUES

This page has list of observation done with option to view and add feedback.

Feedback can be added by add button.

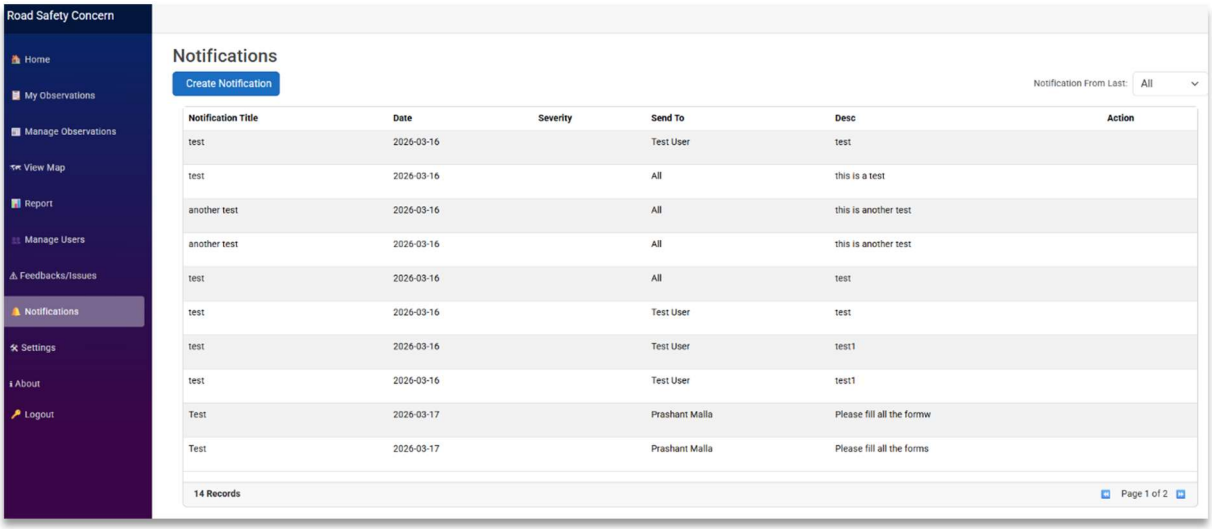


The add button opens box to give feedback.



15 NOTIFICATIONS

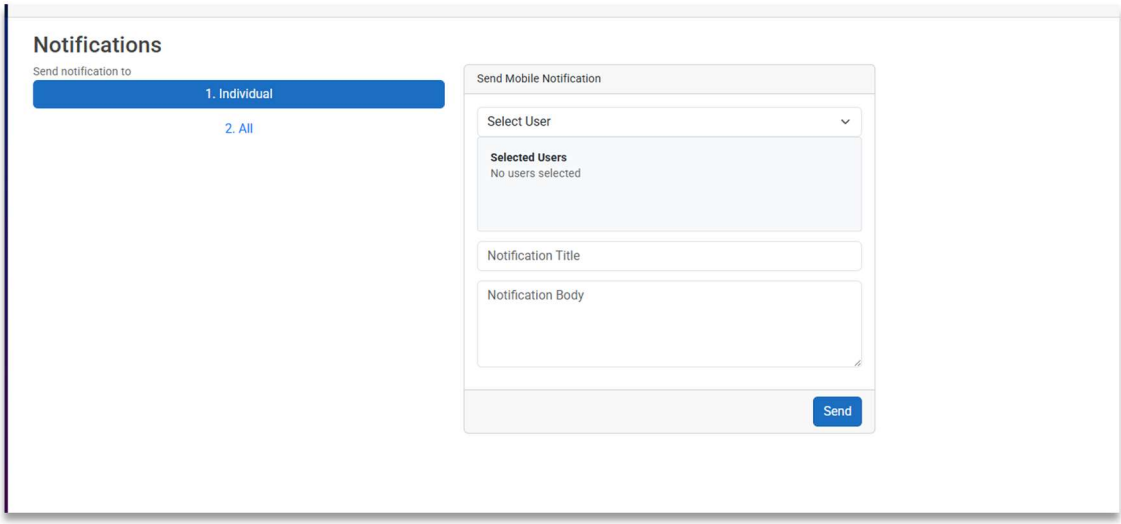
The notification page is used to see the notifications and create and send new notifications.



New notification is created by Create Notifications button.
There is option to send notification to all users or individual users or selected users.

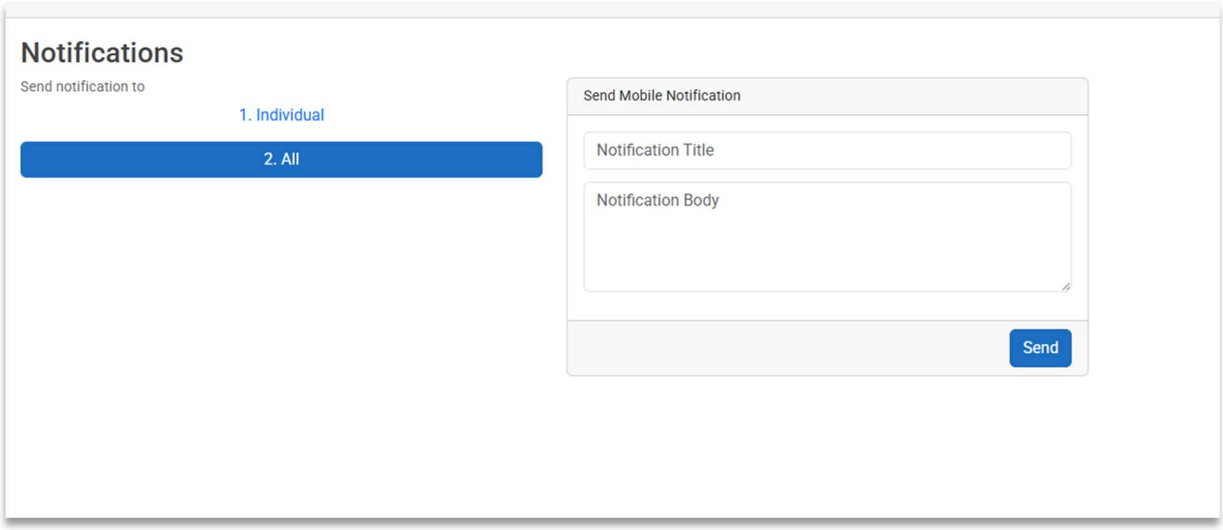
15.1 Options- Individual

Individual notification is sent by selecting user from list and selected user can be more than.



15.2 Options - All

The option leads to sending notification to all users.

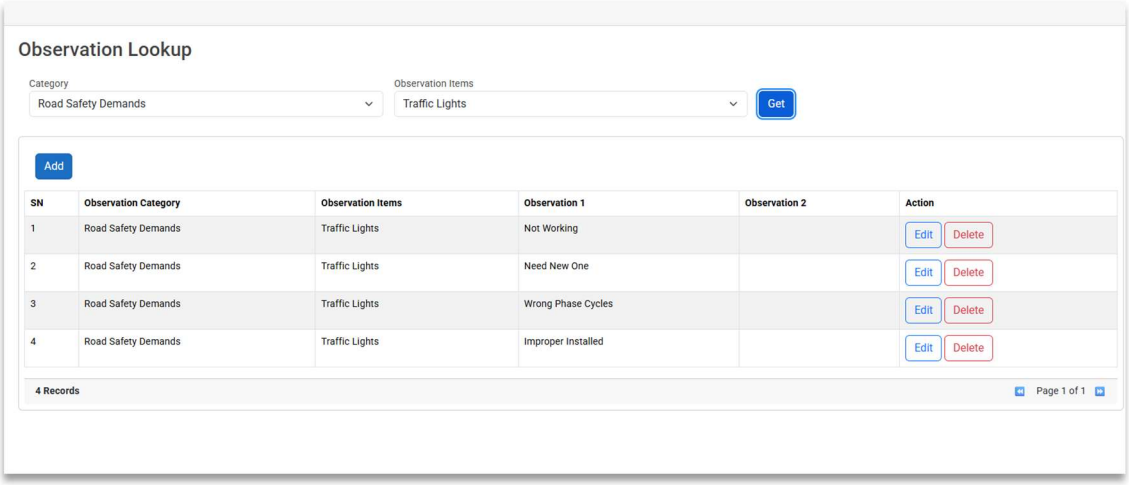


16 SETTIGS

Settings is used for Observation lookup and recipients / users list.

16.1 Observation Lookup

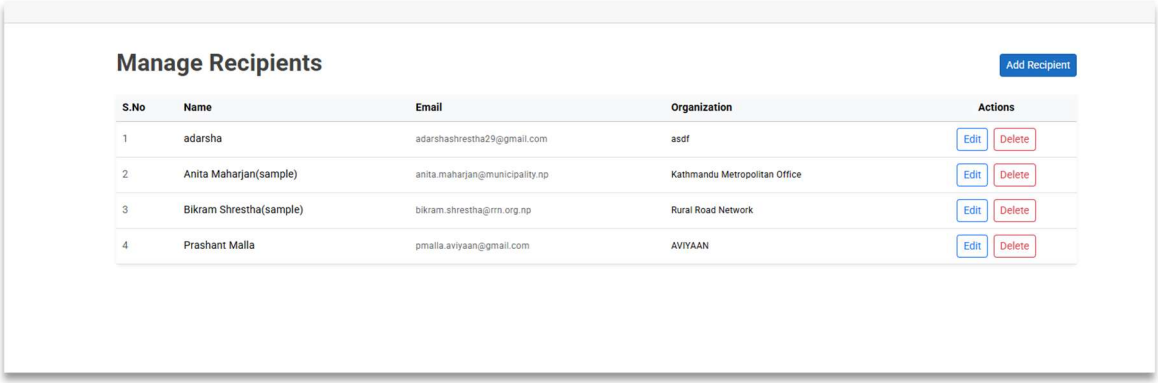
Observation lookup is used to filter observation accepted by admin. The category and observation item are selected to get records.



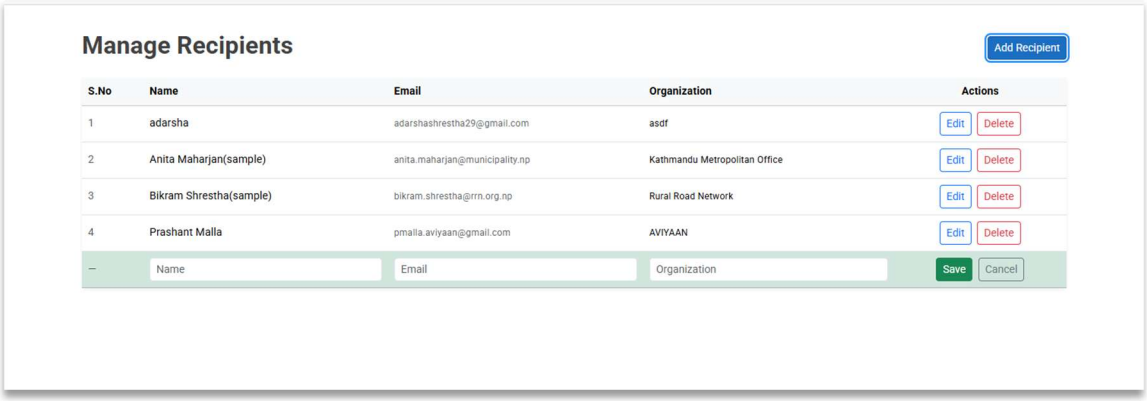
The list shows selected category with item list with option to edit and delete observation.

16.2 Recipients List

The recipients list shows list of email recipients.



There is option to add the list for recipients.



17 LOGOUT

The logout is done by clicking logout button at bottom of menu.

