HWC Nepal

Ver. 1.6

USER MANUAL

# Wildlife Presence Reporting And Alert System

HWC Nepal

The HWC Nepal Mobile application is designed to collect wildlife presence data from registered users and serves as a platform for authorized users to digitize relief fund documentation with permission from relevant organizations. Additionally, it provides an Information Section to raise awareness and share updates on Human-Wildlife Conflict (HWC) related knowledge. The app can be downloaded via the provided link.

After downloading the HWC Nepal Mobile application, it needs to be installed. Once installed, the app icon labeled "HWC Nepal" will appear. To launch the application, simply tap on the app icon.

SIGN IN / REGISTER SECTION
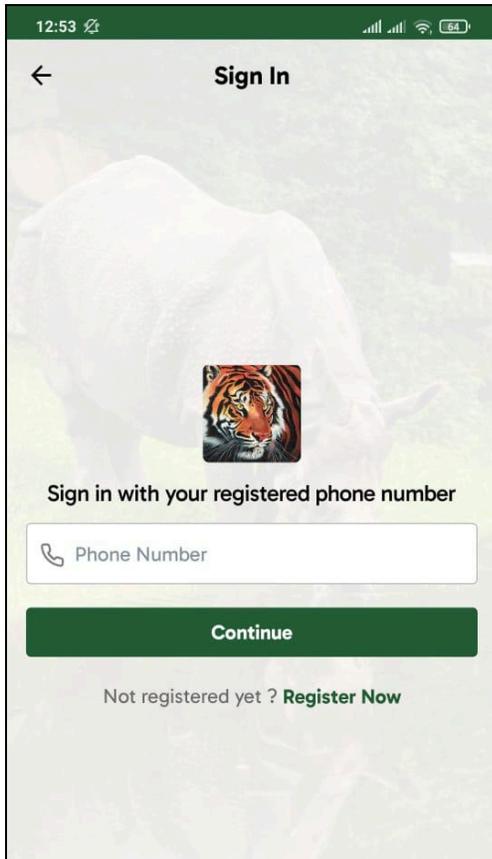
After installation, the app will take you to the Sign In/Register page. New users should tap the Register button, enter their Full Name and Phone Number, and then tap Register again. An OTP will be sent to the provided mobile number via SMS. Upon entering and confirming the OTP, users can access the app. However, only accredited registered users approved by authorities can use the animal conflict reporting feature.

For existing users, tapping the Sign In button will prompt them to enter their pre-registered phone number. An OTP will be sent to their mobile device via SMS. After confirming the OTP, users will be directed to the home screen, where they can access wildlife presence reporting and the Information Section.

To access the animal conflict reporting feature, users must first register, fill out the membership form available in the Profile section, and await approval from the authorities. Once approved, they can explore additional features of the app.
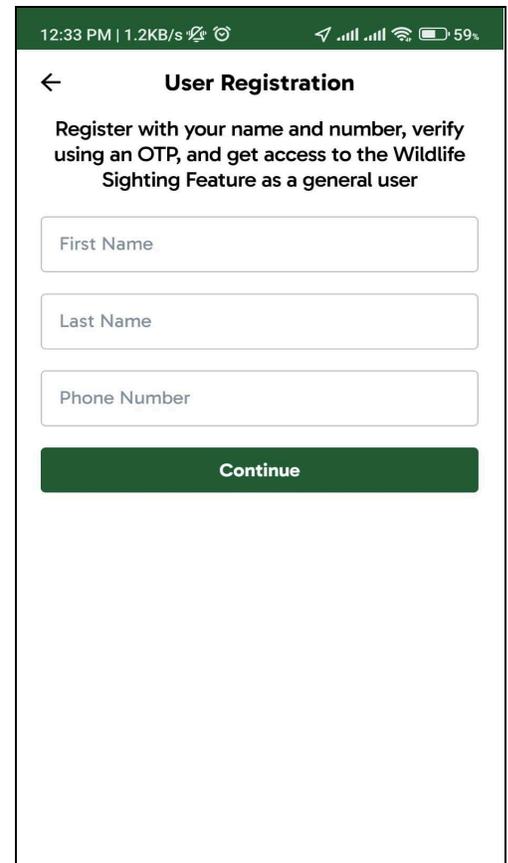
Landing Page

The Home Screen is the main navigation area of the app, allowing users to access key features and stay updated. It includes in-app notifications and stay alert information for animal presence reports.

Alongside Alerts & Notifications, the app provides access to Animal Sighting reports, User Profile, Information, and Documents. The home screen also features an infographic slider displaying insights on HWC mitigation and coexistence, along with a section for news, articles, and policies related to human-wildlife conflict.

For navigation, the Home button returns users to the main screen, while the Animal Sighting button allows reporting of wildlife presence. The Profile section provides access to documents, language selection, feedback, privacy policy, conflict reporting forms, data, and log-out options.

"Animal Sighting" section where we can report about the animal's status and location. We will be navigated to the page where one has to fill information on Wildlife's name, condition and location and if feasible add images as well. After these information is filled in, we can click on the submit button.

Since the information submitted is sensitive, users get a disclaimer about the authenticity check of their information. After confirmation, wildlife presence is submitted. Authorities get SMS while app users get in-app notification.

When an alert is triggered, a siren sound plays for one minute and can be stopped by clicking on the alert dialog box or the notification bell icon. The notification icon also animates, resembling a ringing bell.

However, administration users receive the exact location of the animal via SMS to ensure a prompt rescue response.
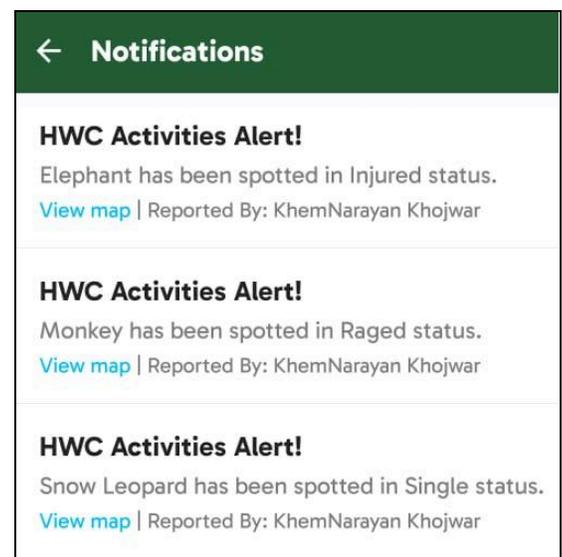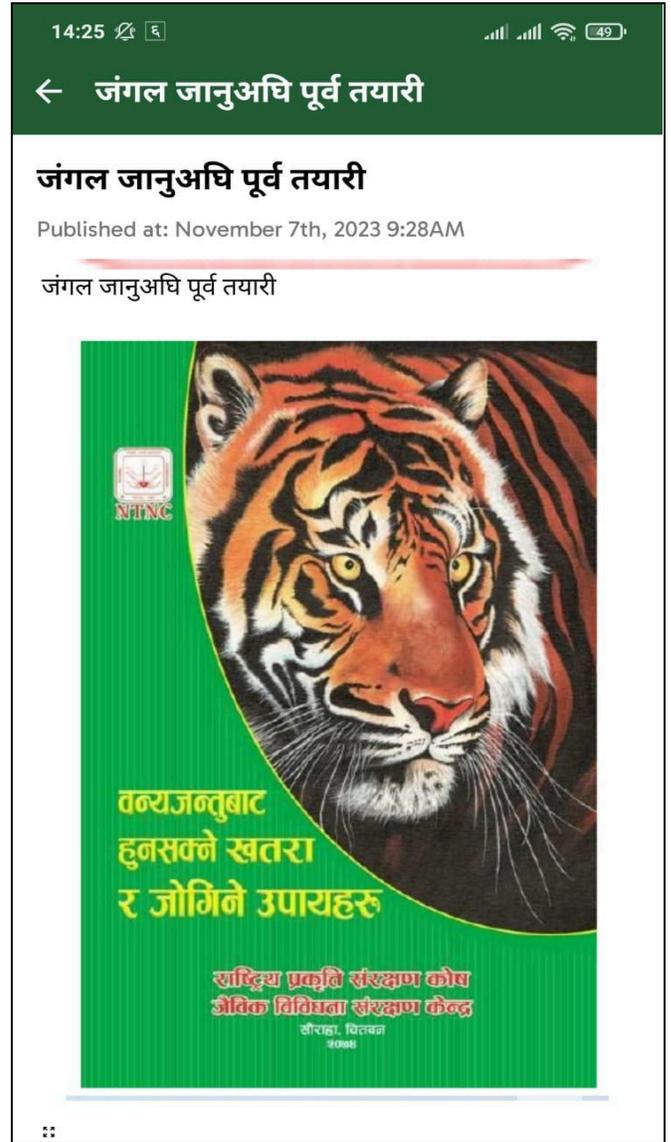
The Information Section contains documentaries, YouTube videos, and articles, all of which can be accessed within the app. Articles and videos are clickable and open directly in the application. Users also have the option to download files and articles for offline access.

This section can be accessed by clicking on the information banner on the Home Screen.
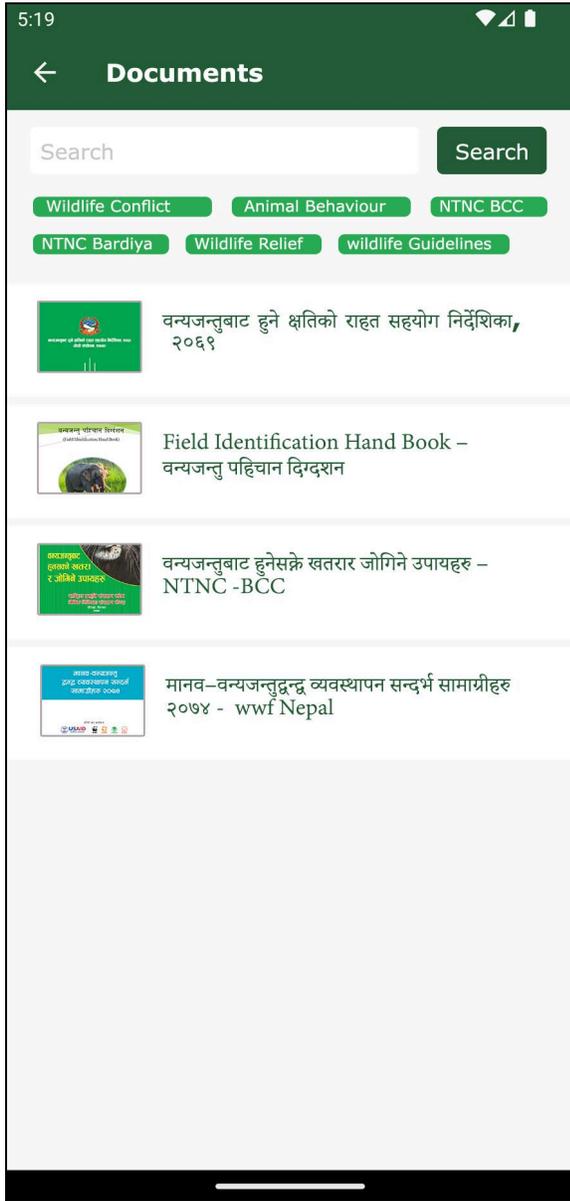
The Document Section, accessible from both the Profile Section and the Home Screen, provides detailed information on published and shared documents related to human-wildlife conflict.

Users can click on article headings to read the full content within the app and also have the option to download files and articles for offline access.

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CONFLICT REPORTING

To fill the new data of human wildlife conflict, we can go to the profile section and click on the conflict button. Then click on the "new conflict" button. A new record tab will be open where we need to fill the data accordingly.

Users can list out one or more types of damages and loss. We can use the arrow button on the bottom left and right to navigate onto the previous and next page. The following screens will appear as you proceed along filling the information.

The draft record section enlists two types of records; first, records that are not complete to be sent, and second those which are complete and require proper internet connection to be sent. Records inside the draft record are completely editable and users can make changes if required by clicking on any of the records inside the list.

These records can be uploaded individually by clicking on the list and navigating to the end of the section ensuring the form is completely filled. Upon selecting the "Upload Online" button, the form will be uploaded to the server.

Events that are successfully sent to the server are stored and recorded as "Published" records. From here onwards, any action on form data cannot be taken but we can only view them. All the uploaded records will be stored in the "Records" section in the web dashboard.

The homepage gives users a platform to login, access to contact and records sections. The data can be filtered as per location, date, area and species type. Users can access the conflict data of specific animal species without requiring

Web dashboard is the main web portal for the HWC application. Data, visualization and reporting are its main functionalities. Only authorized username and password will be able to access the dashboard. For web dashboard login go to https://salyani.org/app/test/hwcnepal, you will get the following window.

Then click on Login to get logged in to the web dashboard.

CONFLICT EVENTS

The conflict events section provides us with the records of all the published conflict forms from the mobile application. Only administrators have permission to edit or delete the conflict reports.
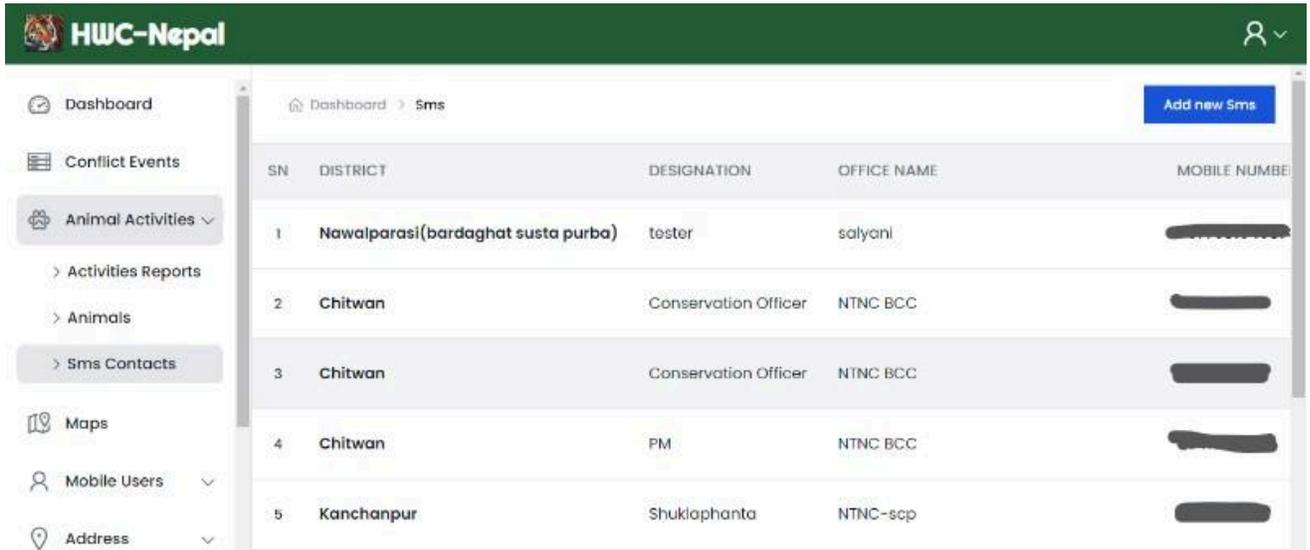
ANIMAL ACTIVITIES

The Animal Activities section has three subsections - Animal Reports, Animals and SMS Contacts. Activities Reports provides data on the reported animal activities with an edit and delete option to the administrators.

ANIMALS

This section allows administrators to add new animals and edit the existing animal list.

SMS CONTACTS

This section allows administrators to add new numbers of authorities who are to receive alert sms notification for any animal activity reporting.
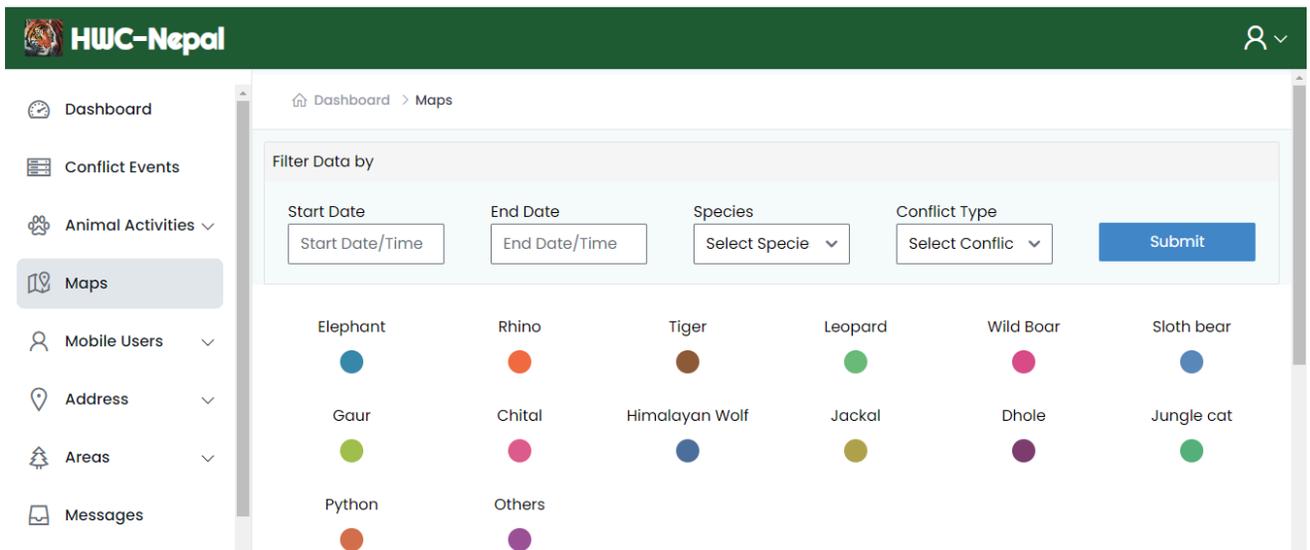
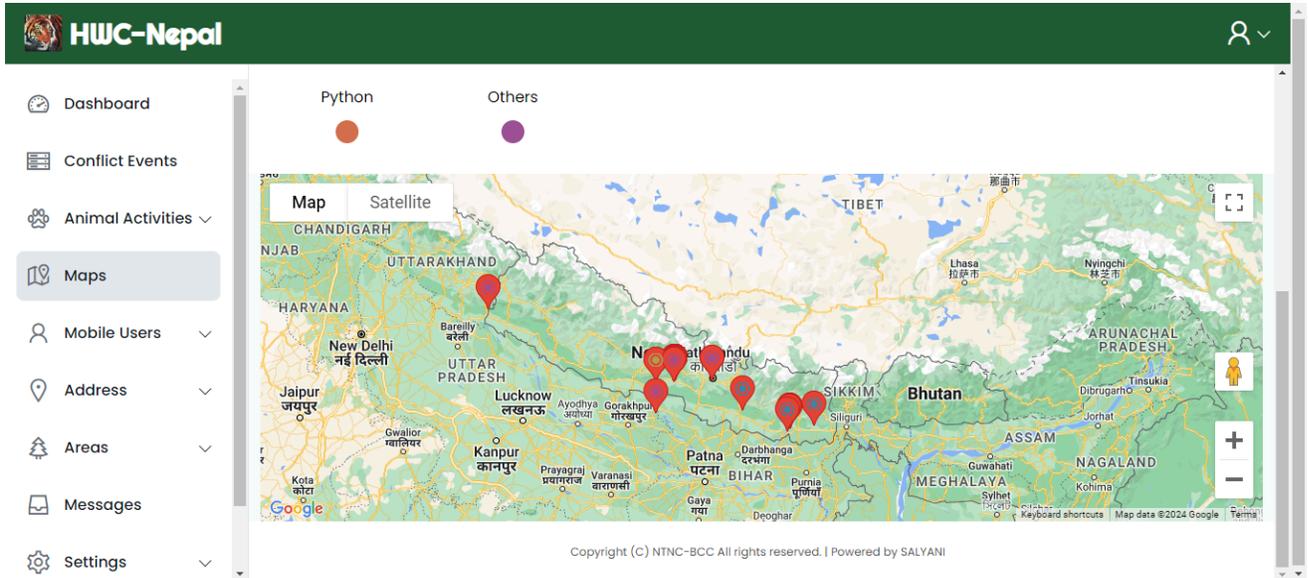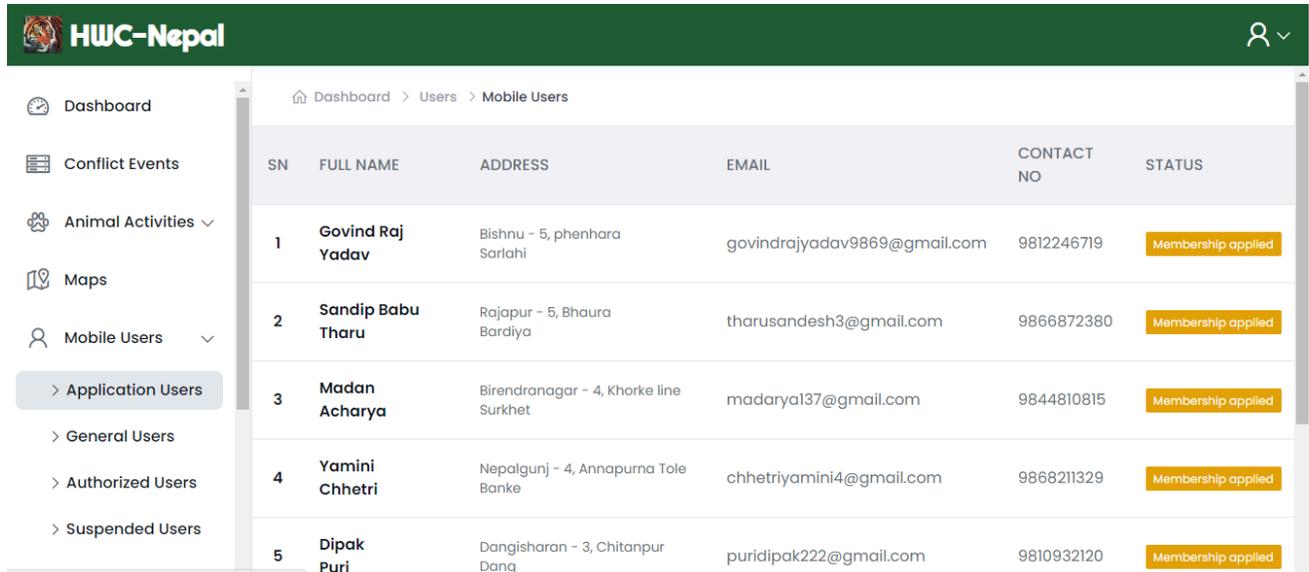## MAPS

The maps section allows us to filter the animal data as per date, time, species and conflict type. Upon clicking the submit button after data selection, the animal conflict data is represented in the map of Nepal as below.

MOBILE USERS

The Mobile User Section has four sub sections. Namely, Application users, General users, Authorized users and Suspended users. Application users are the ones who have applied for membership and are yet to be approved. General users are the registered users who access the app through the Sign-In option.

Authorized users are those whose application for membership has been approved and suspended users are those authorized users who have been suspended due to engaging in prohibited activities. The dashboard has options to approve, delete, suspend and unsuspend users.

ADDRESS

The Address section contains all the names of provinces, districts and rural/ municipalities, which can be added further and edited.

AREAS

This section has data of parks, forest, bufferzone user community and range posts, which are editable.

MESSAGES

The contact section has a link to send any queries about the HWC-Nepal application. Contact form message section collects all the messages from the contact form web dashboard login and feedback section in the mobile application.

Administration can log in and see the entire contact message and take appropriate action.

SETTINGS

The Settings section includes Administrators and SMS/OTP sub-sections. Administrators are authorized personnel to have access to amend major details of the application. Upon requirement, administrators can be added and deleted.
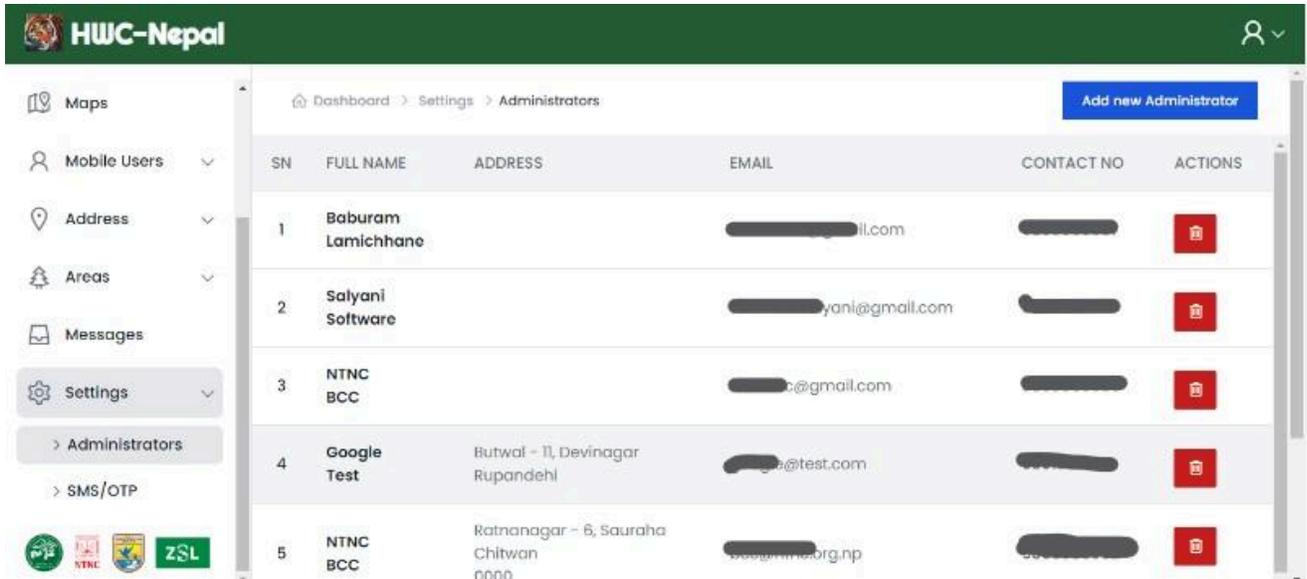
The SMS/OTP section incorporates SMS API enable disable module. The Actions button allows you to either disable and enable the SMS/OTP. Upon enabling it, users get access to SMS alerts and OTPs and disabling it halts the process. The access is provided only to the administrators.
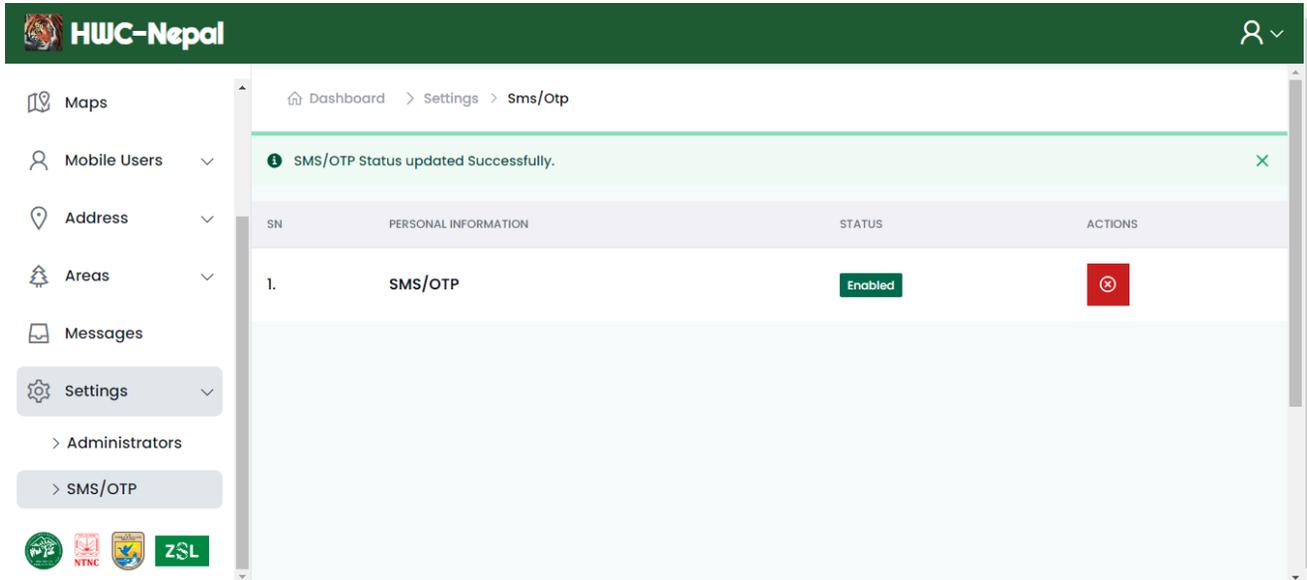
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