



HWC Nepal

"Human Wildlife Conflict Reporting And Alert System"

Ver. 1.5

USER MANUAL



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HWC-Nepal
Human Wildlife Conflict Nepal

000 ↓00% Since last month
New Conflicts

118 ↑00% Since last month
Total Conflicts

Species Wise Conflicts

26	5	5	0
Elephant	Rhinoceros	Tiger	Bear
23	17	0	0
Leopard	Snow Leopard	Clouded Leopard	Wolf

[View More](#)

मानव वन्यजन्तु द्वन्द्व सम्बन्धित जानकारी

[Sign In](#) [Register](#)

"Human Wildlife Conflict Reporting and Alert System"

HWC - Nepal Mobile application is used to collect conflict data from authorized users who've been given permission from the respective organizations. It also functions to provide a platform to digitize the process of relief fund documentation as well as helps in awareness and update of HWC related knowledge with its Information Section.

Application can be downloaded from the following link.

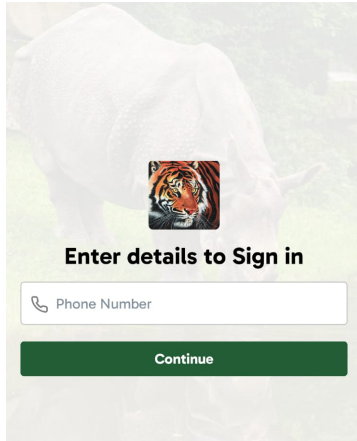
[Link](#)



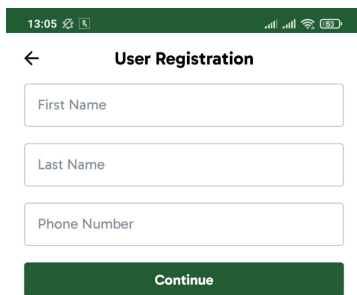
After download, we need to install an application in order to use it for human-wildlife conflict data collection and reporting.

After installation, the app icon will be available with the above application icon and name "HWC-Nepal". Then we need to touch on the application icon to run the application.

SIGN IN / REGISTER SECTION

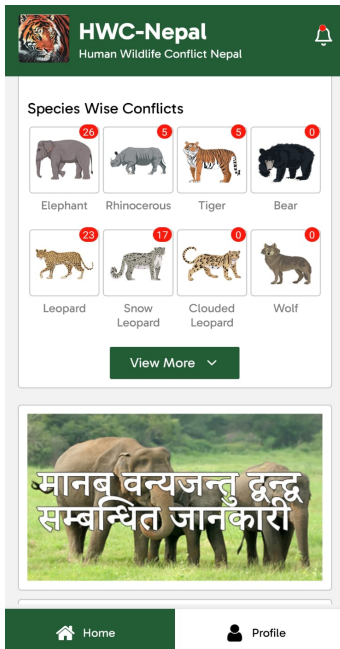


This section has a Sign In and Register button which is used to sign-in or register the application. As you touch the Sign In button, it will direct you to the screen where you are to fill in your phone number that you used for registration. This option is for users who have already registered with the app and are further signing in the application. After you fill in your pre registered phone number, you will be asked to fill in the OTP sent in your mobile device in the SMS section. Upon approval of OTP, you will be directed to the app home screen where you will have access to human wildlife conflict data and the information section.



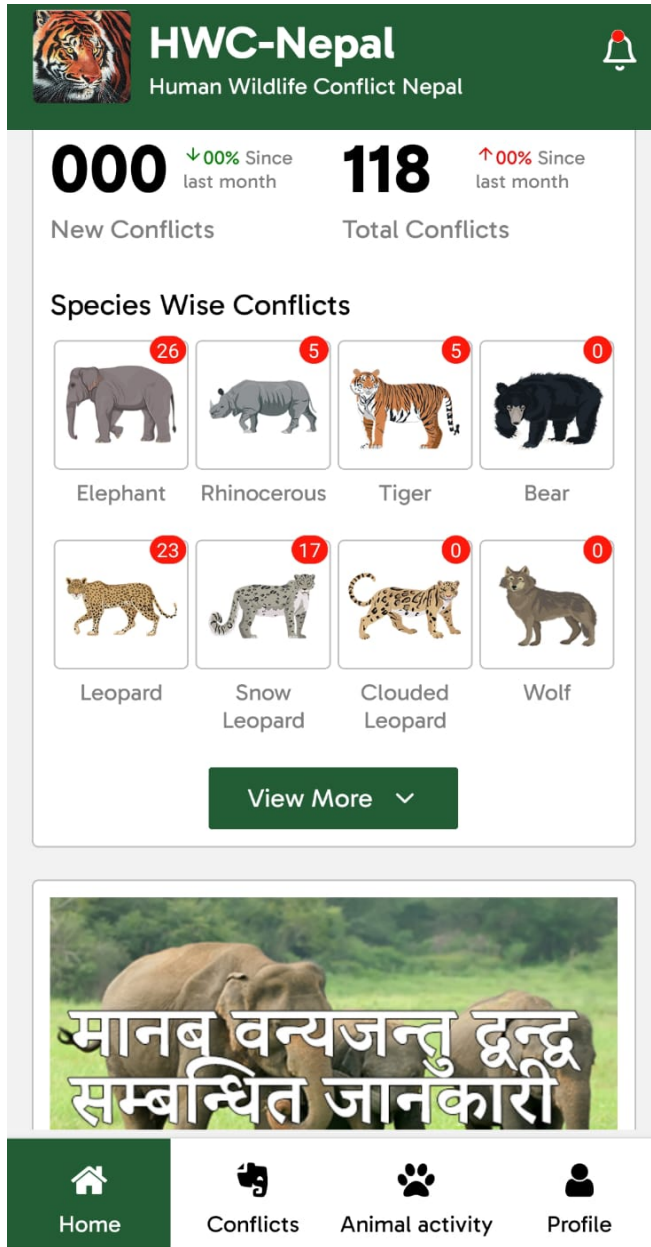
The other part is the Register section. If you're a new user to the app, you are to touch the Register button. Further, you will be directed to the screen where you will have to enter your Full Name and Phone number and touch the Register button. Then you will be sent an OTP in your respective mobile number in the message section, Upon confirmation of the OTP number, you will now be able to access the application.

Only upon approval and confirmation from the authorities, the accredited registered users can use the animal conflict reporting feature of the app.



Users accessing the app through the Sign-In option will have access to conflict data and the information and document section. To explore further, i.e. to fill in the conflict form and access to reporting of animal activity users will have to first register, then fill up the membership form available in the Profile section and get approved.

HOME SCREEN



Home Screen is the main working area from where we can navigate the application as per requirement. Conflict reporting, Animal Activity Listing and access to User Profile, Information Section and Documents are the main features of the application.

Also log-out can be done from the application by touching the profile icon in the home screen.

The home screen guides us with the statistics of the overall as well as the new conflicts that occurred. The number of reported conflicts and the new conflict is visible at the top section of the app. New Conflicts are denoted with red color and total conflicts with green color.

The number hovering around each species' box represents the reported number of conflicts caused by the respective animal. The "View More" button provides a view of the entire animal list and its respective conflict data.

There is the information section for updates on human wildlife conflict.

The "Home" button takes us to the home screen. The "Conflict" button shows the details of the conflict reported and enables the option for registering a new conflict. The "Animal Activity" button is used to report the incident. The "Profile" button enables access to the Documents (Information Section), language selection, feedback, privacy policy and enables log-out

function.

CONFLICT APPLICATION

To fill the new data of human wildlife conflict, we can go to the home screen 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.

← **Additional Information**

Event No. 0040-0001

Photos

Click here to upload

Who did you report the incident to?

Select One

Relief Process

Select

What would you like to do to this form?

Save as draft Upload online

Is there any other details that you would to add in the form?

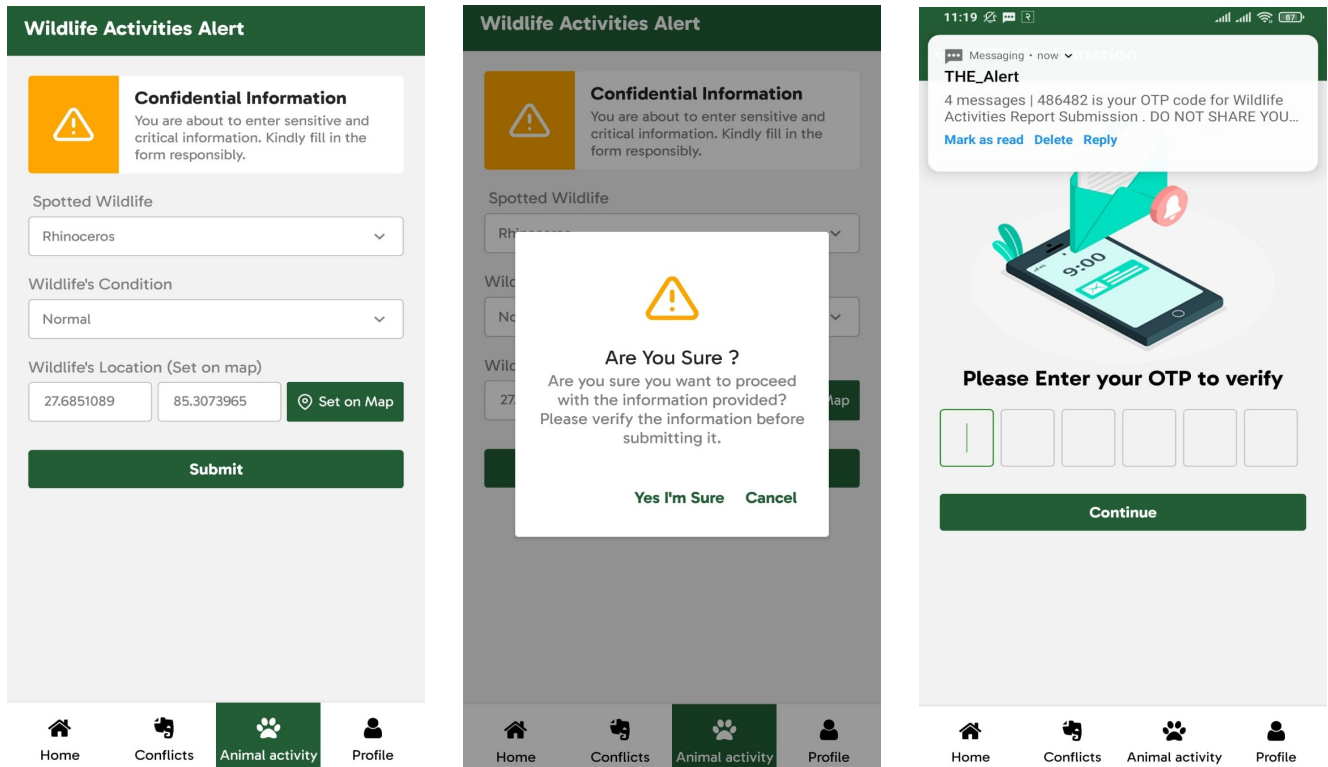
< Back Next >

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.

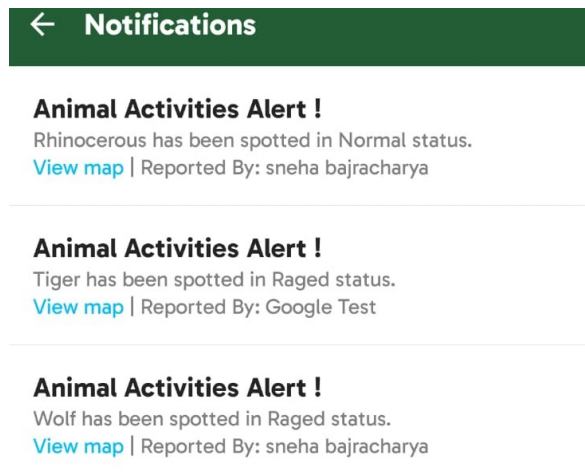
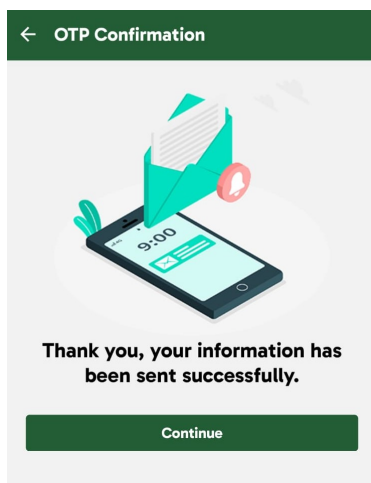
These records can be uploaded individually by clicking on the list and navigating to the end of the section ensuring the form is completely filled. Upon selecting the “Upload Online” button, the form will be uploaded to the server.

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.

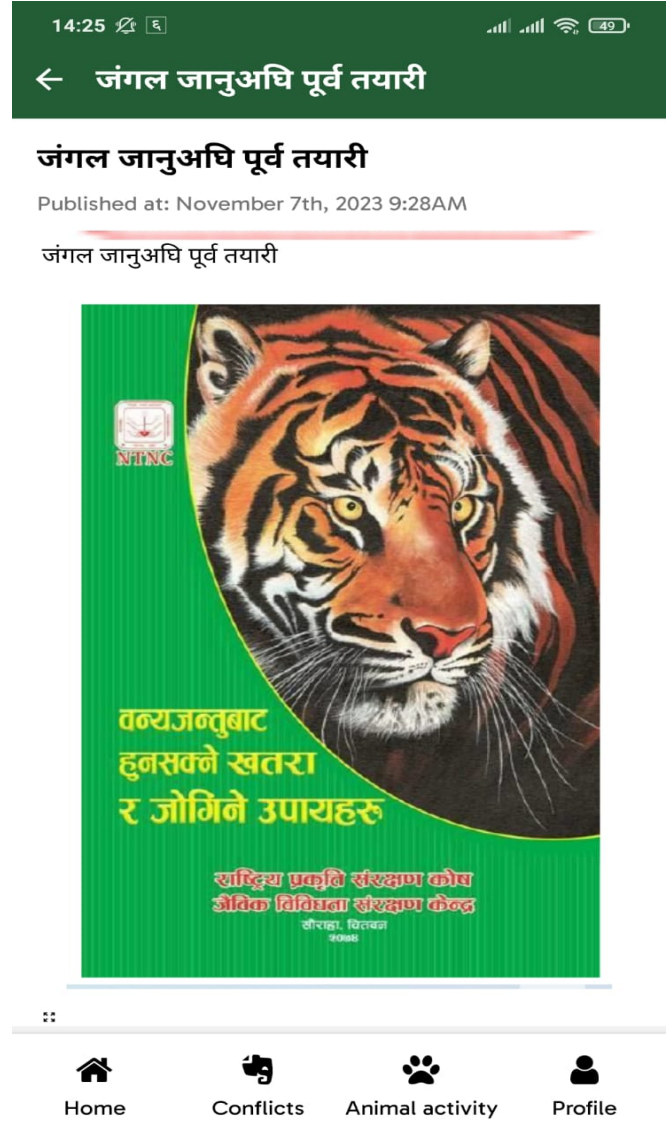
ANIMAL ACTIVITIES



The Home Screen consists of the “Animal Activity” section where we can report about the animal’s status and location. We will be navigated to the following screen. After the information is filled, we can click on the submit button. Since the information submitted is sensitive, users get a disclaimer about the authenticity check of their information. Upon confirmation users are to enter the OTP. After the OTP is verified, a confirmation message is displayed and users get in-app notification.



INFORMATION SECTION



This section contains documentaries, youtube videos, articles etc. The articles and videos in the information section are further clickable and can be opened individually in the application itself. You can also download the files and articles directly from the application. We can access the information section by clicking on the information banner in the home screen.

DOCUMENTS SECTION



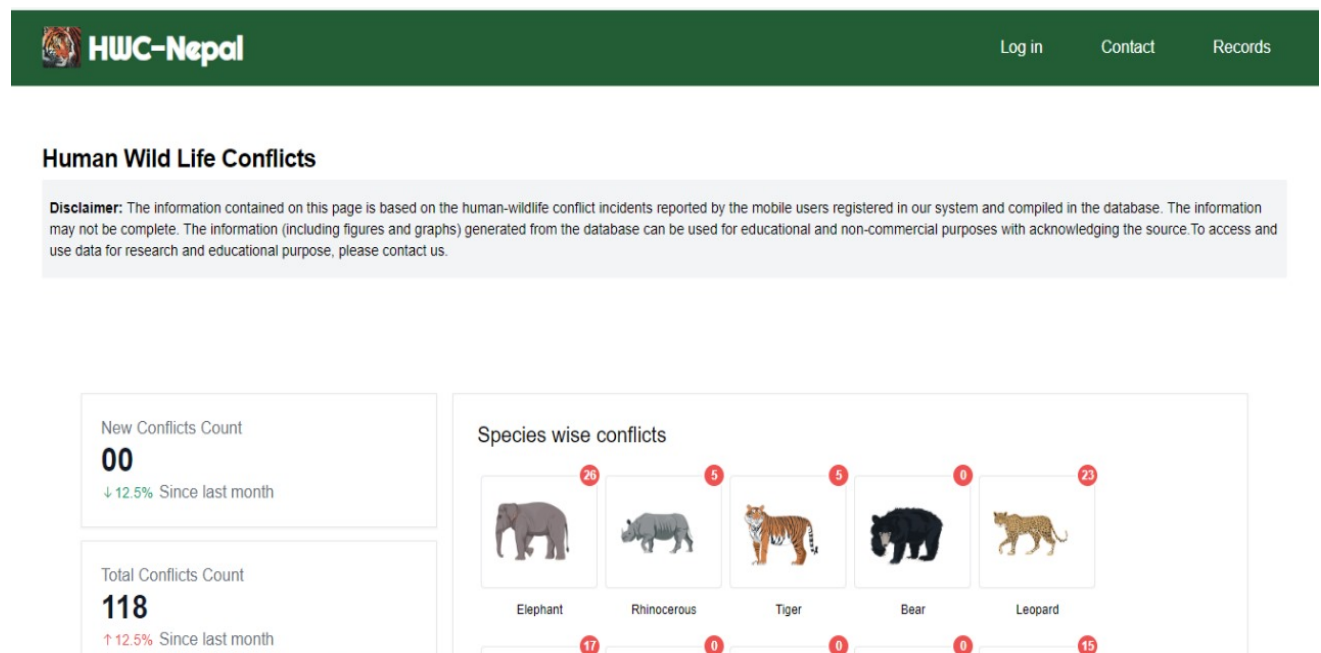
Inside the Profile section, we can access the document section which contains detailed information about the documents published and shared, that helps in understanding human wildlife conflict better.

You can click on the article headings to access the full article within the application. You can also download the files and articles directly from the application.

WEB APPLICATION

HWC Nepal Application is available in mobile and web applications. While the mobile application can be used by different kinds of users, the web application's feature usage permission is provided to only the administrators. Approval or denial of Users' application for membership, approving and deleting users, editing animals, areas, conflict reports and accessing the feedback are the key features of the web application dashboard. For general users, they can access animal conflict data, HWC information section and document section. Users can access the web application through this [link \[https://ntncbcc.org.np/hwcnepal/\]](https://ntncbcc.org.np/hwcnepal/).

HOMEPAGE



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 to log in.



WEB DASHBOARD

Web dashboard is the main web portal for the HWC application. Data collection, 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 <http://ntncbcc.org.np/hwcnepal/>, you will get the following window. Then click on Login to get logged in to the web dashboard.

CONFLICT EVENTS

SN	EVENT ID	EVENT INFO	WILDLIFE CAUSING PROBLEM	LOCATION	PA/UC/CF	AFFECTED PEOPLE BY EVENT	ACTIONS
		Khem Khojwar	-1, Child -1	View map			
9	0055-0002	Food Crops Loss Reported By: Khem Khojwar	Mugger Crocodile, 2 Male -1, Female -1, Child -1	- lat: 27.684073303695868, long: 84.43227170035243 View map	2		Edit Delete
10	0055-0002	Food Crops Loss Reported By: Khem Khojwar	Mugger Crocodile, 2 Male -1, Female -1, Child -1	- lat: 27.684073303695868, long: 84.43227170035243 View map	2		Edit Delete
11	0055-0002	Food Crops Loss Reported By: Khem Khojwar	Wild Buffalo, 2 Male -1, Female -1, Child -1	- lat: 27.684073303695868, long: 84.43227170035243 View map	2		Edit Delete

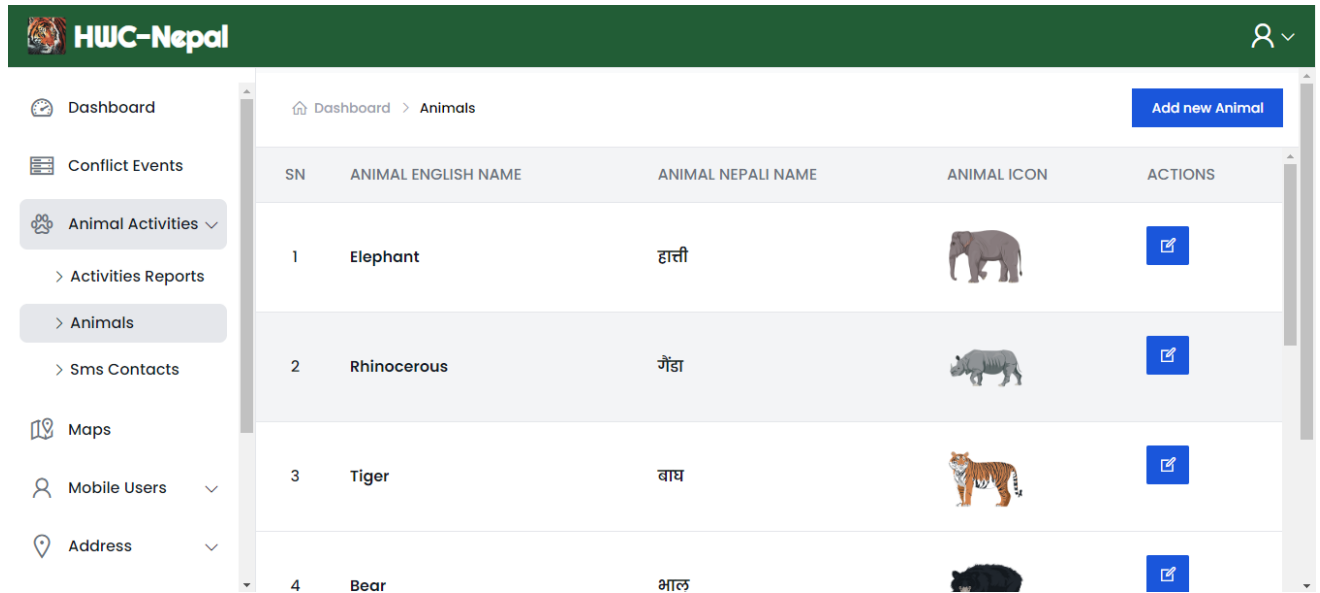
The conflict events section provides us with the records of all the published conflict forms from the mobile application. Only administrators have permission to edit or delete the conflict reports.









ANIMAL ACTIVITIES

USER ID	USER NAME	PHONE NUMBER	ANIMAL	CONDITION	LATITUDE / LONGITUDE	ACTIONS
81	sneha bajracharya	[REDACTED]	Rhinoceros	Normal	lat: 27.8891089, long: 85.3073965 View map	Edit Delete
80	Google Test	[REDACTED]	Tiger	Raged	lat: 27.68470884537212, long: 85.3017176419882 View map	Edit Delete
79	sneha bajracharya	[REDACTED]	Wolf	Raged	lat: 27.8650544, long: 85.3073185 View map	Edit Delete
78	KhemNarayan Khojwar	[REDACTED]	Snow Leopard	Raged	lat: 27.808223459567043, long: 84.5578559847677 View map	Edit Delete

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.

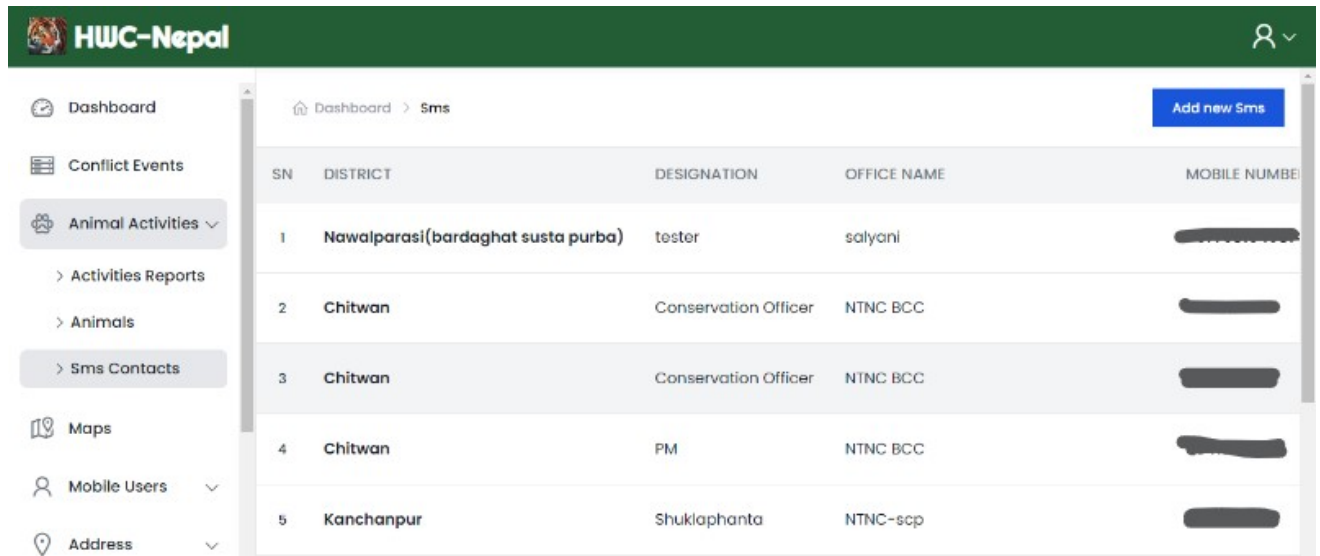
ANIMALS








SN	ANIMAL ENGLISH NAME	ANIMAL NEPALI NAME	ANIMAL ICON	ACTIONS
1	Elephant	हात्ती		
2	Rhinoceros	गैंडा		
3	Tiger	बाघ		
4	Bear	भालु		

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

SMS CONTACTS



SN	DISTRICT	DESIGNATION	OFFICE NAME	MOBILE NUMBER
1	Nawalparasi(bardaghat susta purba)	tester	salyani	
2	Chitwan	Conservation Officer	NTNC BCC	
3	Chitwan	Conservation Officer	NTNC BCC	
4	Chitwan	PM	NTNC BCC	
5	Kanchanpur	Shuklaphanta	NTNC-scp	

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

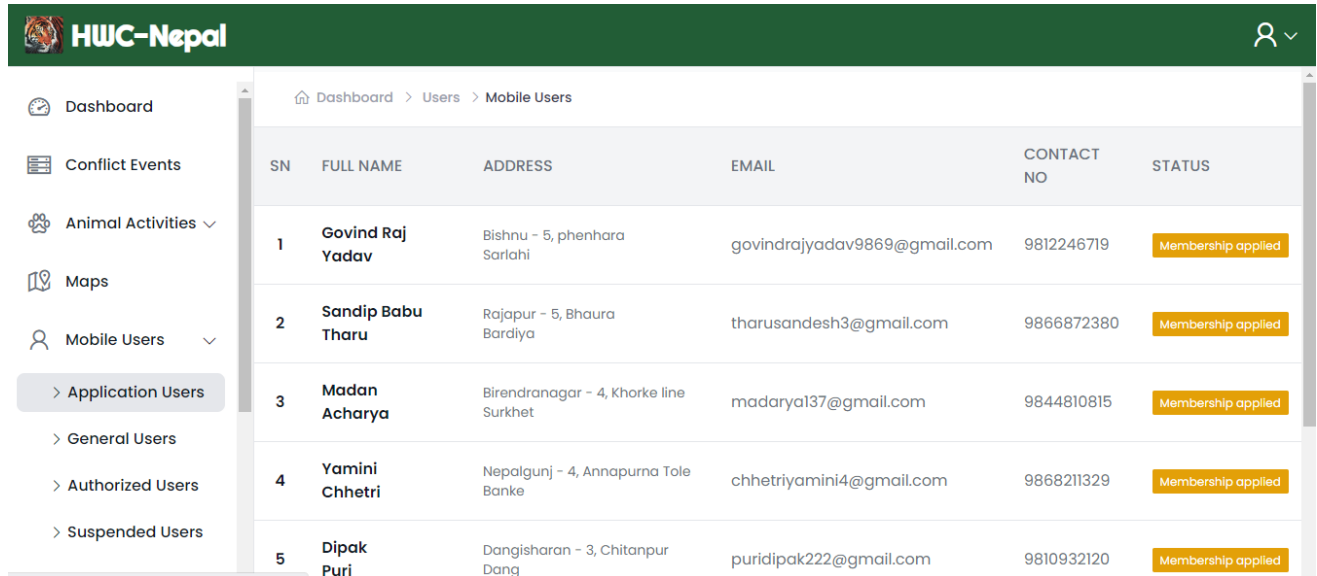
MAPS

The screenshot shows the 'HWC-Nepal' application interface. On the left is a navigation menu with options: Dashboard, Conflict Events, Animal Activities, Maps (selected), Mobile Users, Address, Areas, and Messages. The main content area is titled 'Dashboard > Maps' and features a 'Filter Data by' section with four input fields: 'Start Date' (with a 'Start Date/Time' placeholder), 'End Date' (with an 'End Date/Time' placeholder), 'Species' (a dropdown menu showing 'Select Specie'), and 'Conflict Type' (a dropdown menu showing 'Select Conflic'). A blue 'Submit' button is positioned to the right of these filters. Below the filters is a grid of colored circles representing different species: Elephant (blue), Rhino (orange), Tiger (brown), Leopard (green), Wild Boar (pink), Sloth bear (light blue), Gaur (light green), Chital (magenta), Himalayan Wolf (dark blue), Jackal (olive), Dhole (purple), Jungle cat (green), Python (red), and Others (dark purple).

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.

This screenshot shows the same application interface, but with the 'Python' and 'Others' species selected in the filter. The map of Nepal is displayed with several red location pins indicating conflict events. The pins are concentrated in the central and eastern parts of the country, specifically in the regions of Uttar Pradesh, Bihar, and West Bengal. The map interface includes a 'Map' and 'Satellite' toggle, a search bar, and zoom controls. The footer of the map area contains the text: 'Copyright (C) NTNC-BCC All rights reserved. | Powered by SALYANI'.

MOBILE USERS



The screenshot displays the 'Mobile Users' section of the HWC-Nepal dashboard. The left sidebar contains navigation options: Dashboard, Conflict Events, Animal Activities, Maps, Mobile Users, Application Users, General Users, Authorized Users, and Suspended Users. The main content area shows a table of mobile users with the following data:

SN	FULL NAME	ADDRESS	EMAIL	CONTACT NO	STATUS
1	Govind Raj Yadav	Bishnu - 5, phenhara Sarlahi	govindrajyadav9869@gmail.com	9812246719	Membership applied
2	Sandip Babu Tharu	Rajapur - 5, Bhaura Bardiya	tharusandesh3@gmail.com	9866872380	Membership applied
3	Madan Acharya	Birendranagar - 4, Khorke line Surkhet	madarya137@gmail.com	9844810815	Membership applied
4	Yamini Chhetri	Nepalgunj - 4, Annapurna Tole Banke	chhetriyamini4@gmail.com	9868211329	Membership applied
5	Dipak Puri	Dangisharan - 3, Chitanpur Dang	puridipak222@gmail.com	9810932120	Membership applied

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

SN	PROVINCE NO.	PROVINCE NAME	ACTIONS
1	Province No. 1	Koshi	
2	Province No. 2	Madhesh	
3	Province No. 3	Bagmati	
4	Province No. 4	Gandaki	
5	Province No. 5	Lumbini	
6	Province No. 6	Karnali	
7	Province No. 7	Sudurpaschim	

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

AREAS

Dashboard > Areas > Park Reserve Area

SN	PARK AREA NAME	CORRESPONDING PROVINCE	ACTIONS
1	Chitwan National Park(province 3) चितवन राष्ट्रिय निकुञ्ज	Bagmati	
2	Parsa National Park(province 2) पर्सा राष्ट्रिय निकुञ्ज	Madhesh	
3	Shuklaphanta National Park शुक्लाफाँटा राष्ट्रिय निकुञ्ज	Sudurpaschim	
4	Bardiya National Park (Province 5) बर्दिया राष्ट्रिय निकुञ्ज	Lumbini	
5	Koshi Tappu Wildlife Reserve(province 2) कोशीटप्पु बन्धनन्तु आरक्ष	Madhesh	

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

MESSAGES

HWC-Nepal

Dashboard > Messages

SN	PERSONAL INFORMATION	SUBJECT	MESSAGE	ACTIONS
1	Sneha BAJRACHARYA sneha.bajracharya0205@gmail.com 12345678 2024-02-20 10:15 am	Regarding animals	I wanted to know the source of data please. Thanks.	

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

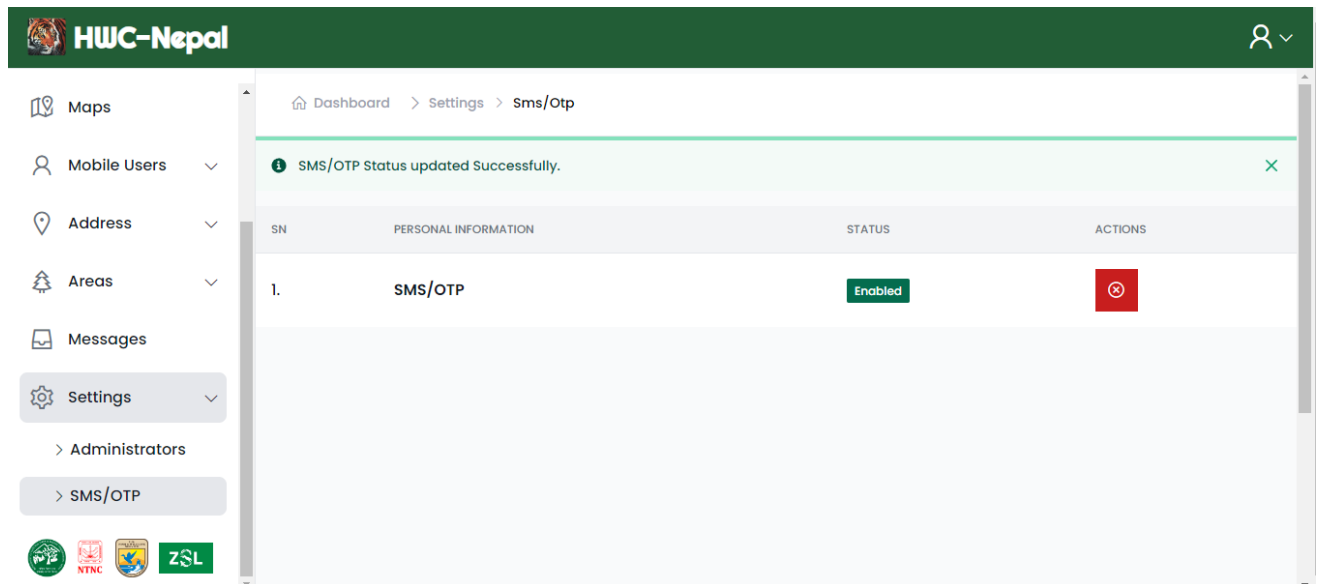
HWC-Nepal

Dashboard > Settings > Administrators

[Add new Administrator](#)

SN	FULL NAME	ADDRESS	EMAIL	CONTACT NO	ACTIONS
1	Baburam Lamichhane		██████████@il.com	██████████	
2	Salyani Software		██████████@yanl@gmail.com	██████████	
3	NTNC BCC		██████████@gmail.com	██████████	
4	Google Test	Butwal - 11, Devinagar Rupandehi	██████████@test.com	██████████	
5	NTNC BCC	Ratnanagar - 6, Sauraha Chitwan 0000	██████████@nrcb.org.np	██████████	

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.

FOR MORE DETAILS

Administrative Contact

NTNC BCC

Sauraha Chitwan

<http://ntncbcc.org.np> | ntnc.bcc@gmail.com

+977 56580153

Technical Contact

Salyani Technologies (P) Ltd.

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Sanepa Kharikobot, Lalitpur

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