

# USER MANUAL

## Bats Info

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## 1.0) General information

General information section explains in general terms of the system and the purpose for which it is intended

### 1.1) System overview

This system is a requirement of zoology department of University of Colombo faculty of science. In Sri Lanka there are so many researchers who are doing research on flying mammals (mainly bats) and their main problem is they don't have proper place to keep their research information. And also they don't have a proper channel to communicate about those information. Our aim is to develop a platform to those researchers to fulfill their requirements.

### 1.2 )Organization of the Manual

The user's manual consists of four sections: General information, System summary, Getting start and Operating system.

General Information section explains in general terms the system and the purpose for which it is intended.

System summary section provides a general overview of the system.

Getting start section explains how to start using BatsInfo.

Operating system section explains how to get requirements done using BatsInfo and detailed description of functions.

## 2.0) System Summary

System Summary section provides a general overview of the system. The summary outlines the uses of the system's hardware and software requirements, system's configurations, user access levels and system behavior in case of any contingencies.

### 2.1) System Configurations

Bats info operates by Zoology department as a separate system. Users need network facilities to access and use this system. The users also need standard peripherals such as keyboard, mouse to work with BatsInfo. And no any further configuration is required after login to the system.

### 2.2) User Access Level

BatsInfo is a web-based system for those who are doing researches on flying mammals which is handled by authorized researchers those who are registered in the system. Basically, there are 3 administrators who are assigned by client and they are the persons who add the researchers to the system. The number of administrators might be change according to preference of the client. After adding to the system, researchers can do the main functions of the system.

### 2.3)Contingencies

If there is no internet connection the data will not be saved in database. To operate the system, Internet connection should be required.

### 3.0)Getting started

This is a system mainly for researchers and also even for other public users. If a user wants to use this system as a researcher he/she has to register as a researcher and it has to be approved by the admin panel. But a public user can directly access to this web system. Public user have more limitations than the researcher. Now let's look at main system menu. The users can find articles about the recent articles and also can search more through the tabs provided such as Home, News, Articles, About us and Contact us. Users also find register and log in tab in main menu to get registered or to get logged in as a researcher respectively.



## Recent Articles

### Article 1

Bats are mammals of the order Chiroptera (/kaɪˈrɒptərə/, from the Ancient Greek: χηρ - cheir, "hand"[1] and Ancient Greek: πτερόν - pteron, "wing"[2][3] whose forelimbs form webbed wings, making them the only mammals naturally capable of true and sustained flight [3] By contrast, other mammals said to fly, such as flying squirrels, gliding possums, and colugos, can only glide for short distances. Bats do not flap their entire forelimbs, as birds do, but instead flap their spread-out digits,[4] which are very long and covered with a thin membrane or patagium [Read more](#)

### Article 2

Bats are the second largest order of mammals (after the rodents), representing about 20% of all classified mammal species worldwide, with about 1,240 bat species divided into two suborders: the less specialized and largely fruit-eating megabats, or flying foxes, and the highly specialized and echolocating microbats [5] About 70% of bat species are insectivores. Most of the rest are frugivores, or fruit eaters. A few species, such as the fish-eating bat, feed from animals other than insects, with the vampire bats being hematophagous, or feeding on blood [Read more](#)

### Article 3

Bats are present throughout most of the world, with the exception of extremely cold regions. They perform the vital ecological roles of pollinating flowers and dispersing fruit seeds; many tropical plant species depend entirely on bats for the distribution of their seeds. Bats are economically important, as they consume insect pests, reducing the need for pesticides. The smallest bat is the Kitt's hog-nosed bat, measuring 29–34 mm (1.14–1.34 in) in length, 15 cm (5.91 in) across the wings and 2–2.6 g (0.07–0.09 oz) in mass.[6][7] It is also arguably the smallest extant species of mammal, with the Etruscan shrew being the other contender [Read more](#)

[Read previous articles](#)

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#### Mail Us:

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#### 4.0) Operating System

This section of the manual explains how the system operates and how a user access this system for their specific purpose

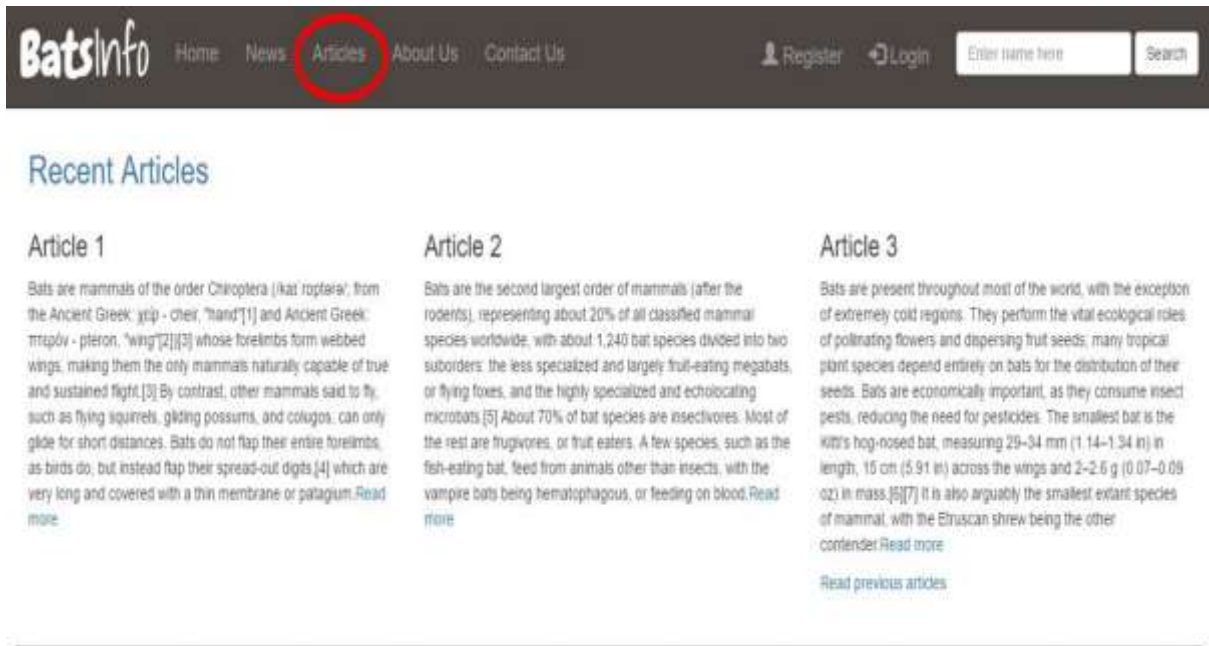
##### 4.1) News Tab

This system mainly makes researcher to study about new kind of bat species, get knowledge about them and share with other researchers to get updated. Those newly found information has to be shared with the other public users too. So News tab shows the relevant and recently found information which makes the users to gain knowledge and get updated.

<<< News tab screenshot>>>

#### 4.2) Articles Tab

Researchers can post new articles relevant to the bat species on this system. Those articles can be found in articles tab. Public users also have access to read those articles and share in social websites by going through this tab.



The screenshot shows the BatsInfo website interface. The top navigation bar is dark grey with the BatsInfo logo on the left and links for Home, News, Articles (highlighted with a red circle), About Us, and Contact Us in the center. On the right side of the navigation bar are links for Register and Login, and a search bar with the placeholder text 'Enter name here' and a Search button. Below the navigation bar, the page title 'Recent Articles' is displayed in a blue font. There are three article cards arranged horizontally. Each card has a title, a short text snippet, and a 'Read more' link. The first article is titled 'Article 1' and discusses the order Chiroptera. The second article is titled 'Article 2' and discusses bat species worldwide. The third article is titled 'Article 3' and discusses bat distribution and ecological roles. A 'Read previous articles' link is located at the bottom right of the article cards.

**BatsInfo** Home News **Articles** About Us Contact Us Register Login Enter name here Search

### Recent Articles

#### Article 1

Bats are mammals of the order Chiroptera (literally 'winged' or 'hand-winged'), from the Ancient Greek: χηρ - cheir, "hand"[1] and Ancient Greek: πτερόν - pteron, "wing"[2][3] whose forelimbs form webbed wings, making them the only mammals naturally capable of true and sustained flight.[3] By contrast, other mammals said to fly, such as flying squirrels, gliding possums, and colugos, can only glide for short distances. Bats do not flap their entire forelimbs, as birds do, but instead flap their spread-out digits [4] which are very long and covered with a thin membrane or patagium. [Read more](#)

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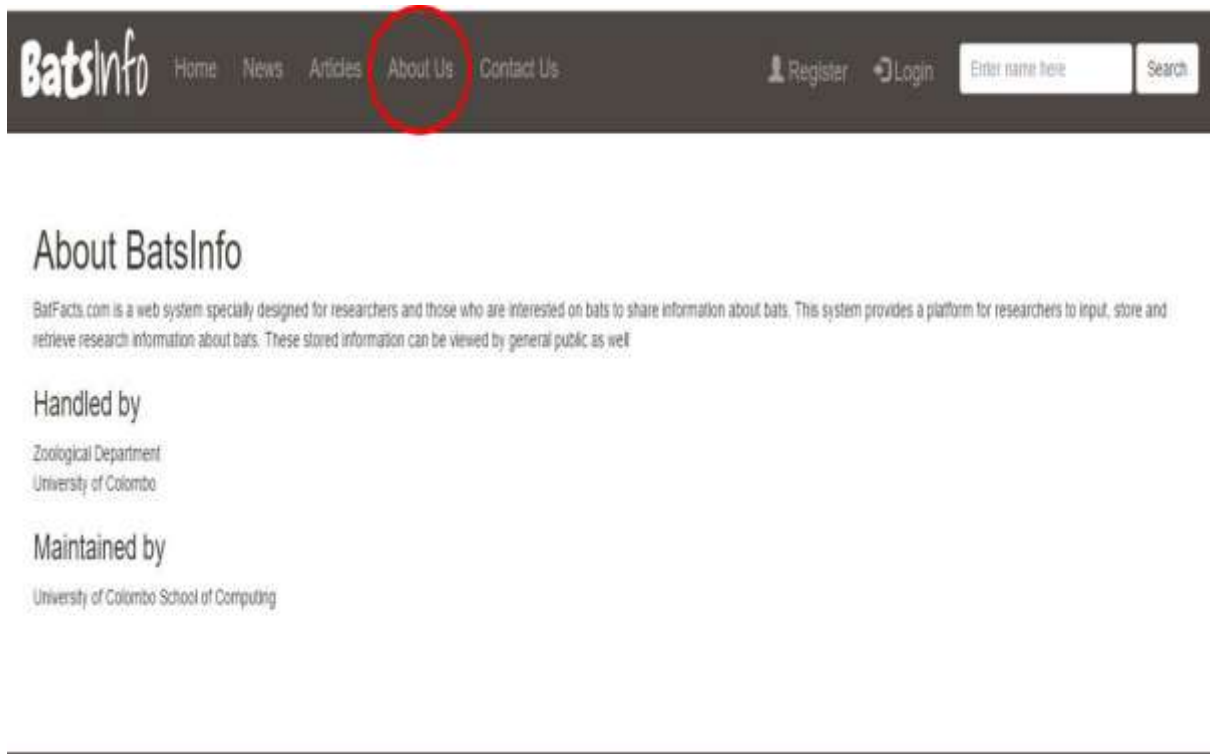
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[Read previous articles](#)

#### 4.3) About us Tab

This tab is for let users know and get short description of this system and also make them know the authorized individual who maintains, handles and holds the responsibility of this system.





#### 4.4) Contact Us Tab

This provides users the contact information of the responsible individuals in case of help.

<<< Contact us Tab>>>

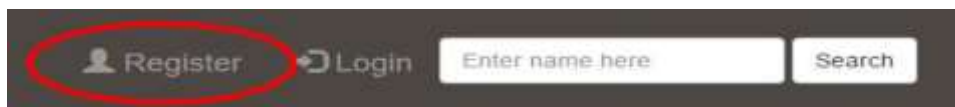
#### 4.5) Register tab

If a user need to be get registered as a researcher, he/she has to fill a form by clicking this register tab. After registration, application must be approved by admin panel to get access to the researcher homepage.

When a user registering as a researcher, following documents should be submitted by the user.

- Qualification Details
- Related degree completed
- Degree verification documents

After approved by the admin, user will get confirmation mail via the mail provided.



The navigation bar is dark grey. It contains a 'Register' button with a user icon, a 'Login' button with a key icon, a search input field with the placeholder text 'Enter name here', and a 'Search' button.



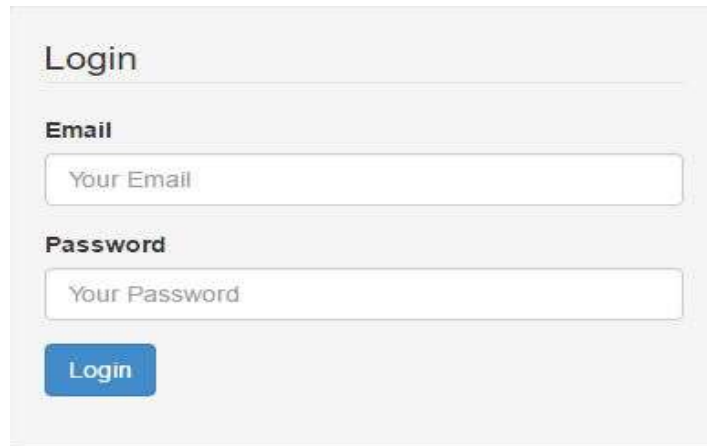
The 'Sign Up' form is a vertical stack of input fields. It includes fields for Title, First Name, Middle Name, Last Name, Gender (with radio buttons for Male and Female), NIC, Address (with three lines for Street 1, Street 2, and City), Country, Major In, and Email. At the bottom are 'Reset' and 'Next' buttons.



The 'Qualification' form is a vertical stack of input fields. It includes sections for 'Qualification 1' and 'Qualification 2', each with fields for Qualification Name, Institution, and Year Obtained. There is also an 'Other' section at the bottom. At the bottom are 'Reset' and 'Submit' buttons.

#### 4.6) Login tab

Already registered researcher can login to the researcher homepage by clicking this login button and he/she has to enter their email and password provided to logged in.

A light grey login form. It has a title 'Login' at the top. Below it is an 'Email' label followed by a text input field containing the placeholder 'Your Email'. Below that is a 'Password' label followed by a text input field containing the placeholder 'Your Password'. At the bottom of the form is a blue 'Login' button.

New User? [Sign Up Here](#)

After a researcher logged in to the system, he/she can find a new homepage with additional features and function which won't be accessed by the public user. Researcher homepage includes all tabs which shown in main homepage and additionally tabs such as Bats Info, Researcher Info, Forum and Help can be found.



## Welcome to BatsInfo

[Home](#)

[Bats Info](#)

[Research Info](#)

[Forum](#)

[News](#)

[Help](#)

[About Us](#)



Windows  
Windows is waiting to activate Windows

#### 4.7) Bats Info tab

Researcher studies about bat related topics and find additional details about bats. Here He/she can provide details about bats to the database on which they have researched. Researcher can view the bat details, add new details, update existing details and also delete the details via this tab.

<< Bats Info Tab>>

##### **Viewing bat details**

When a researcher needs to view about on particular bat, he/she can view it by clicking View Bats Info tab and has to type the scientific name of the particular bat. Then the researcher can view the related information.

<< View tab>>

##### **Inserting new bat details**

When a researcher needs to insert details on new kind of bat, he/she can insert it by clicking Insert New Bat Info tab. Then the researcher can find a form to fill details about the particular bat. The form consists of three pages to be filled. After filling the form, researcher has to submit it by clicking the submit button.

<<< Insert info form 3 pages>>

##### **Updating existing bat details**

When a researcher needs to update an existing detail on a specific bat, he/she has to type the scientific name of the particular bat. Then the researcher gets the detailed form of the bat and can edit details where it is necessary. After updating details the form has to be submitted by clicking the update button.

##### **Deleting existing bat details**

When a researcher needs to delete details of a specific bat, he/she has to type its scientific name. Then the system asks confirmation to delete details. If researcher confirms, the details will be deleted.

<<delete details>>

#### 4.8) Research Info tab

Researcher do studies about bats and also on related topics. This tab mainly developed for the researching purposes and shows information on research papers and researches.

##### **View research info**

When a researcher wants to view research details, he/she can viewn it here and get information they required.

##### **Add research info**

This tab is to add information about researches did by the researchers.

##### **Edit research info**

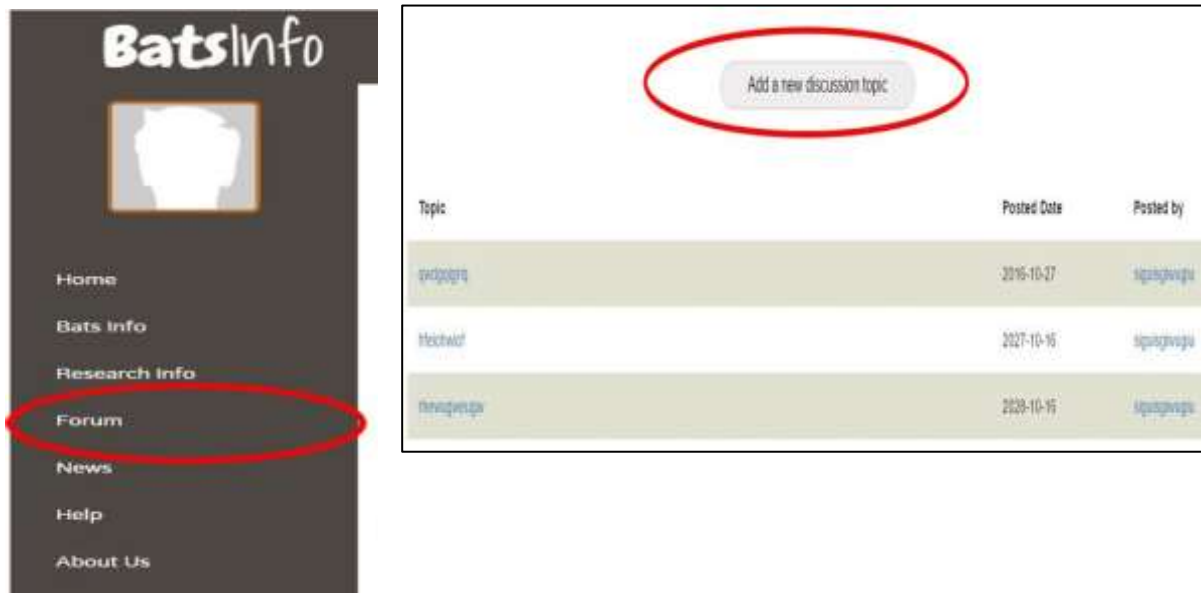
This tab is to edit the information about researches did by the researchers.

##### **Delete research info**

This tab is to add information about researches did by the researchers.

#### 4.9) Forum tab

Researcher can also start a new discussion on a specific topic by clicking the Add New Discussion Topic button. Then he/she will get the text editor to type the discussion topic to discuss with fellow researchers to gain topic related knowledge, share the knowledge with other researchers and also make it clear with other researchers if they have any confusing areas.



Your New Discussion Topic

**Subject:**

**Message:**

**Attachment:**  No file chosen

Also, researcher can find recent discussion topics in this tab which posted by other researchers. He/she also can reply to discussion forums by clicking the post. And can reply.

Add a new discussion topic

Topic	Posted Date	Posted by
qwdgqgrnq	2016-10-27	sguaghwugu
fffochwoof	2027-10-18	sguaghwugu
rnwugwugw	2025-10-16	sguaghwugu
welcome	2026-10-16	sguaghwugu
djkgkghghgh	2016-11-09	sguaghwugu
kgcohdgs	2016-11-09	sguaghwugu

qwdgqgrnq

2016-10-27

Reply

Your Reply

Message:

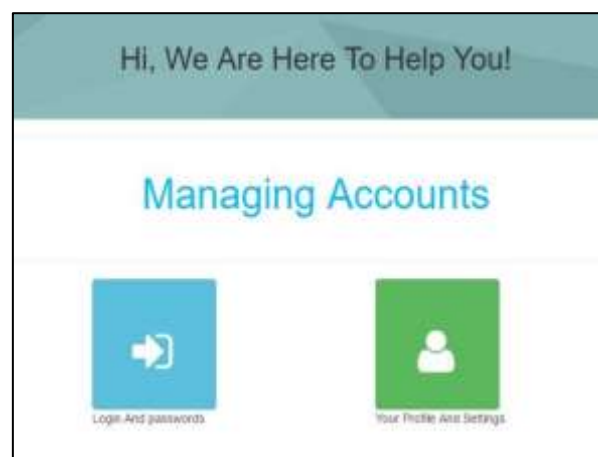
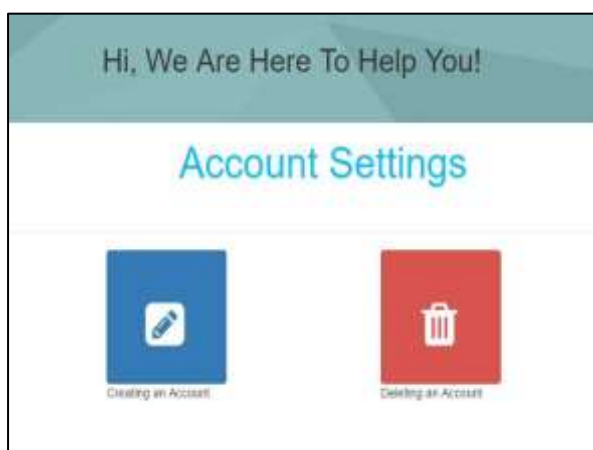
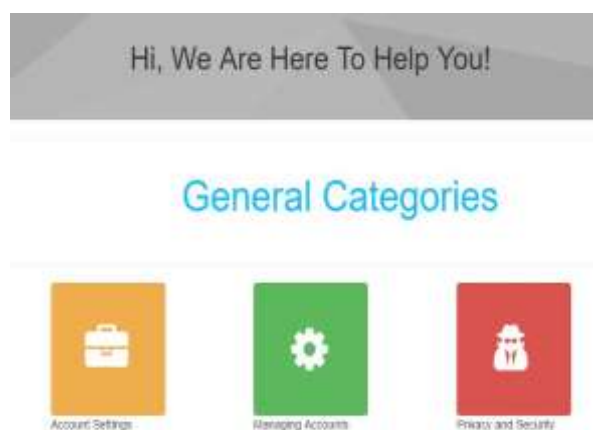
Close

Post to forum




#### 4.10) Help tab

Help tab developed to provide explanation to the most popular questions asked by the users regard to this system and its functions. Those questions are categorized into three general types which are Account settings. Managing accounts and Privacy and Security. Under Account Settings, there are sub types which are creating an account & deleting an account. Under managing accounts, there are sub types which are Login & Passwords, Profile & Settings. And Under Privacy & security, there are sub types which are Privacy Violation, Hacked & Fake accounts and Copyright Issues. Under every sub types, researcher can find related popular questions and explaining solution for those questions.




Hi, We Are Here To Help You!


## Privacy And Security



Privacy Violation



Hacked & Fake Accounts



Copyright Issues

Hi, We Are Here To Help You!

## Frequently Asked Questions on Account Settings

### Creating an Account

How do I sign up for an account?

1. You have to go to our home page
2. And you can find sign up button on the top of the page
3. There you can sign for a new account by filling the form

Why my user name was rejected during sign up?

Activate Windows  
Go to Settings to activate

Why my password was rejected during sign up?

#### 5.0) Maintainability

In order for future functions to be implemented easily to the application, the code have been written in a way that it favors implementation of new functions. Then the system can be easily extended. This maintenance process will be handled by University of Colombo School of Computing.