

**SRI VENKATESWARA COLLEGE  
(UNIVERSITY OF DELHI)**

**EVENT REPORT**

<b>NAME OF THE EVENT: Field trip to Jim Corbett National Park, Uttarakhand</b>			
<b>DATE</b>	<b>DEPARTMENT</b>	<b>COMMITTEE/SOCIETY</b>	<b>COORDINATORS NAME</b>
21 Nov-25 Nov, 2023	Zoology		Prof. Vartika Mathur Dr. Richa Misra
<b>TIME</b>	<b>VENUE</b>	<b>NUMBER OF PARTICIPANTS</b>	<b>NATURE: Outdoor/Indoor; online/offline/hybrid</b>
3pm (21 <sup>st</sup> Nov) – 6am (25 Nov)	Jim Corbett National Park	14	Outdoor
<b>FINANCIAL SUPPORT/ASSISTANCE (if any):</b>	None (Self-funded)		



**BRIEF INFORMATION ABOUT THE ACTIVITY**

<b>TOPIC/SUBJECT OF THE ACTIVITY</b>	Field Trip to Jim Corbett National Park for B.Sc. (H) Zoology & B.Sc. Life Science Sem III students as part of their DSE Wildlife Conservation & Management paper syllabus
<b>OBJECTIVES</b>	Field exercise to understand the nuance of Wildlife Conservation & Management. To Perform experiments such as study of direct and indirect evidences in wildlife, Trial/Transect monitoring, working of camera trap
<b>METHODOLOGY</b>	Field experiments Workshop with Field officers and interaction and Seminar by Field Director, Jim Corbett National Park
<b>INVITED SPEAKERS WITH AFFILIATION DETAILS (IF ANY)</b>	Dr. Dheeraj Pandey, Field Director of Jim Corbett National Park
<b>OUTCOMES</b>	The students enjoyed the experience of Jungle and understood concepts of human-wildlife conflict, wildlife management, etc.

**PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):**

1 Notice & Letters ✓	2 Number of Participants & Name of participants ✓	3 Video clip	4 Photos ✓	5 Feedback Form & analysis
6 News clip with details	7 Sample Copy of the Certificate	8 Posters/ Invites	9 Event report Attested by Event Coordinator & IQAC Coordinator	10 Any other document

IQAC Document No: IQAC/Zoology/2023-24	Criterion No: II, III, VII
Departmental file no: IQAC/Zoology/2023-24/10	IQAC file No: 2023-24

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Prof. Vartika Mathur Dr. Richa Misra	 Richa Misra	

**For Reference**

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

## Permission Letter



Tirumala Tirupati Devasthanams  
శ్రీ వేంకటేశ్వర కళాశాల  
**Sri Venkateswara College**  
(University of Delhi)  
NAAC Grade A+

### PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.  
2. Please ensure a pre booking of the venue before getting the permission letter signed.  
3. A copy of this duly filled form signed by the TIC/ Convener and Principal shall be submitted to ICT, Caretaker and IQAC Coordinator, Dr. Arpita Kaul for commerce and NSS, NCC, Placement and Sports events, Dr. Jitesh Rana for humanities events, Dr. P. Jayaraj for sciences events.

### EVENT DETAILS

1. Name of the Department/Society /Association: Zoology
2. Name of the TIC/Convener (if any): Prof./Dr./Mr./Ms. Prof. Vartika Mathur & Dr. Richa Misra
3. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or community outreach/ skill enhancement/others. Field Trip to Jim Corbett National Park & Training
4. Participants: Student-centric /Faculty/Both
5. Event Type: Offline/Online/Hybrid; Indoor/Outdoor
6. Collaborating Agency /Organization: Jim Corbett NP Administration
7. Proposed Title of the Event: Field Trip to Jim Corbett & Training
8. Tentative List of Speakers with affiliations: .....
9. Date, Time from to : 21 Nov, 2023 - 25 Nov, 2023
10. Financial Assistance/ Funding received (if any) : .....
11. Proposed Budget (please attach details in a separate enclosure):  
NA
12. Faculty responsible for Geo Tagged Pictures Prof. Vartika Mathur
13. Faculty responsible for Event Report Dr. Richa Misra
14. ICT support required, if any (ICT Lab, Laptop, LCD projector)
15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance)
16. Room requirement (Seminar/ any other) NA

Richa Misra  
Name & Signature of TIC/Convener

List of Students, NOCs to be attached

[Signature]  
Signature of Principal

Date: 7-11-23

Date:

## NOC with List of Students



### శ్రీ వేంకటేశ్వర కళాశాల Sri Venkateswara College

(University of Delhi)

NAAC 'A' Accredited, DBT Star Status

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Ph.: 011-24112196, 24118590, Telefax : 011-24118535  
principal@svc.ac.in

Prof. K. Chandramani Singh  
Acting Principal

Ref: SVC/Admn/2023-24/Tour/

14.11.2023

To,  
Chief Wildlife Warden,  
Uttarakhand,

(No Objection Certificate)

This is to certify that the following college students studying Discipline Specific Elective Course in Wildlife Conservation and Management are permitted to proceed on the educational training in Corbett National Park and Choonakhan (Tarai West) from 21.11.2023 to 25.11.2023 accompanied by the faculty Prof. Vartika Mathur and Dr. Richa Misra.

S.No	Name	Course	Roll No.
1.	Anubha Rawat	B.Sc.(H) Zoology II Year	2022001
2.	Smridhhi Kashyap	B.Sc. Life Sciences II Year	1122025
3.	Sameeha Parveen	B.Sc. Life Sciences II Year	1122141
4.	Rishika Singh	B.Sc. Life Sciences II Year	1122035
5.	Shan Savio Shaji	B.Sc. Life Sciences II Year	1122166
6.	Bhushan Kumar	B.Sc. Life Sciences II Year	1122059
7.	Lakshay Singh	B.Sc. Life Sciences II Year	1122054
8.	Prakriti Singh Chahar	B.Sc. Life Sciences II Year	1122152
9.	Aryan	B.Sc. Life Sciences II Year	1122156
10.	Gaurav Kumar	B.Sc. Life Sciences II Year	1122107
11.	Raj Singh	B.Sc. Life Sciences II Year	1122115
12.	Ranveer Singh	B.Sc. Life Sciences II Year	1122120
13.	Malvika Pant	B.Sc. Life Sciences II Year	1122163
14.	Shreya Sharma	B.Sc. Life Sciences II Year	1122155

It is pertinent to mention here that the college shall not be responsible for any unpredictable mishap, if any, that may take place during the aforementioned trip. The parent's/local guardian's of the above mentioned college students have already taken responsibility of the good moral conduct and character of their ward during the whole journey as per the undertaking submitted by them.

The College appreciates the permission given by yourself, Director, Corbett National Park and DFO, Tarai West for conducting this training to our students.

Prof. Vartika Mathur  
Department of Zoology

Acting PRINCIPAL

Principal  
శ్రీ వేంకటేశ్వర కళాశాల  
Sri Venkateswara College  
బెనిటో జుఆరెజ్ రోడ్, ధూలా కున్, న్యూ ఢిల్లీ-21



## Some sample Student reports

**AIM:** Field Report Project on the identification of Mammalian fauna, Avian fauna, and Herpeto fauna through direct and indirect evidence seen on a field trip to a National Park or wildlife sanctuary.

**Location:** Jim Corbett National Park

### Introduction:

Nestled in the Indian state of Uttarakhand, Jim Corbett National Park holds the distinction of being one of India's oldest and most distinguished national parks. Established in 1936 as Hailey National Park, it was later renamed in honour of the legendary British hunter and conservationist, Jim Corbett, who played a pivotal role in its inception. Spanning 520 square kilometres across the Himalayan foothills, the park showcases a mosaic of ecosystems, including dense forests, grasslands, and riverine habitats.

The Ramganga River meanders through the park, enhancing its scenic allure and serving as a vital water source for the diverse wildlife that calls it home. Jim Corbett National Park is celebrated for its rich biodiversity, with a spotlight on the iconic Bengal tigers, the focus of a dedicated conservation program within the park.

Apart from tigers, the park shelters an array of wildlife, including leopards, elephants, sloth bears, deer, and a myriad of bird species. It beckons nature enthusiasts, wildlife photographers, and adventure seekers eager to immerse themselves in the wilderness and witness the park's incredible biodiversity.

Conservation initiatives in Jim Corbett National Park extend beyond anti-poaching measures, emphasizing sustainable tourism practices and ecosystem preservation. The park serves as an educational hub, fostering environmental awareness and responsibility among its visitors.

In essence, Jim Corbett National Park stands as a testament to the symbiosis between wildlife conservation and ecotourism, inviting all to appreciate its lush landscapes and contribute to the ongoing efforts to safeguard Earth's precious biodiversity.

### Mammalian Funa

#### 1 . Tiger (*Panthera tigris* )

\*Direct evidence –

#### 2. Tiger Cub

\*Direct evidence –



\*Indirect evidence – Pug mark



### Herpeto Fauna

1 . Gharial ( *Gavialis gangeticus* )

\*Direct evidence –



### Avian Fauna

1 . Brown Fish Owl



( *Bubo zeylonensis* )

## DAY 1 (21.11.2023)

Arrived at Ramnagar



We, the students of Sri Venkateshwara College who have Wildlife Conservation and Management as their DSE subject went on a Study Trip to JIM CORBETT NATIONAL PARK, UTTARAKHAND.

We reached Ramnagar railway station on 21 November, 2023 and escorted in cars to the Ecotourism Centre (Training Academy), Choonakhan, where we were warmly greeted by the Range forest officer. He ensured that we were well settled and gave us instructions for the trainings we were to go through the next day.

## DAY 2 (22.11.2023)

1. Lecture by Goswami Ji on M-Stripes and tiger census

- The “M-STrIPES” is a platform where modern technology is used to assist in effective patrolling, assess ecological status and mitigate human-wildlife conflict in and around tiger reserves. The MStrIPES program uses Global Positioning System (GPS), General Packet Radio Services (GPRS), and remote sensing, to collect information from the field, create a database using modern Information Technology (IT) based tools, analyses the information using GIS and statistical tools to provide inferences that allow tiger reserve managers to better manage their wildlife resources.

- Patrol Module:

- Maintains spatial database of patrol track logs, crime scenes, and field staff observations.
- Allows real-time visualization of patrols nationwide with cellular network connectivity.
- Permits guards to send geotagged SOS data to specified phone numbers in emergencies.



- Mobile app operates in areas without a phone network using GPS and preloaded base maps.
- Ecological Module:
  - Standardized protocols for ecological monitoring in tiger reserves.
  - Components include occupancy of carnivores, abundance estimation of ungulates, assessment of anthropogenic impacts, and habitat assessment.
  - Implemented at a spatial resolution of 20 square km every four years nationwide and twice annually within all tiger reserves.
  - These protocols are part of the 'Ecological Module' of the MSTRIPES program.
- Conflict Module:
  - Addresses data recording, archiving, geotagging, and spatial analysis of human-wildlife conflict details.
  - Records attacks on humans, attacks on livestock, crop damage, and property damage.
  - Provides location-specific information with spatially referenced photo evidence.
  - Enables wildlife managers to mitigate conflict through appropriate interventions.

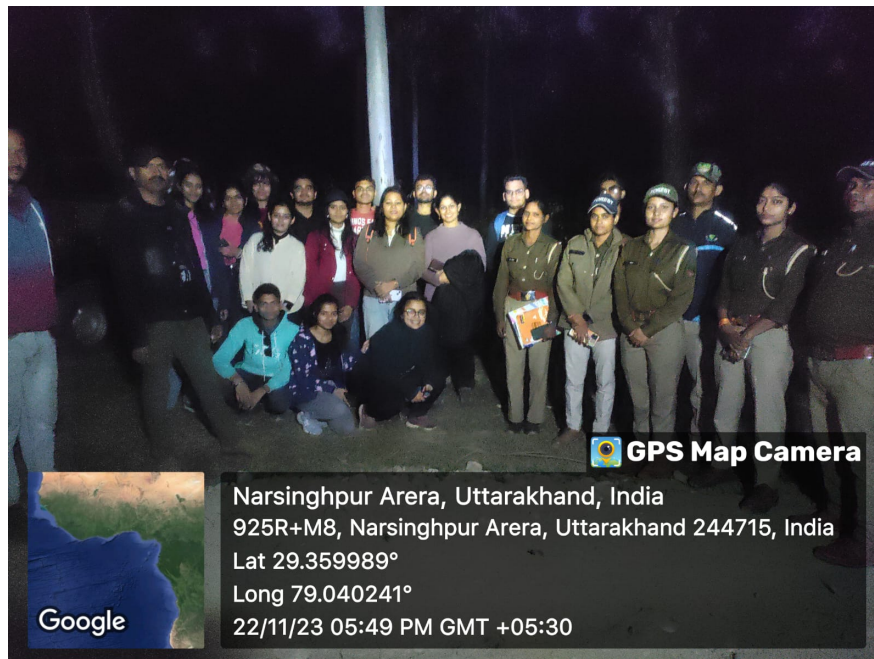


## 2. Trail at Ampokra





Starting the Trail (setting of camera trap)



End of the trail



Fresh kill



Leopard with kill captured on Camera trap

In the morning, around 8:00 AM, students were taken to the INTERPRETATION HALL, where the major concern areas like Ecotourism, map of Jim Corbett and nearby areas were concerned. Mr. Goswami (Range forest officer) explained to the students about the major concerns of Corbett and also about the recent incidents that took place.

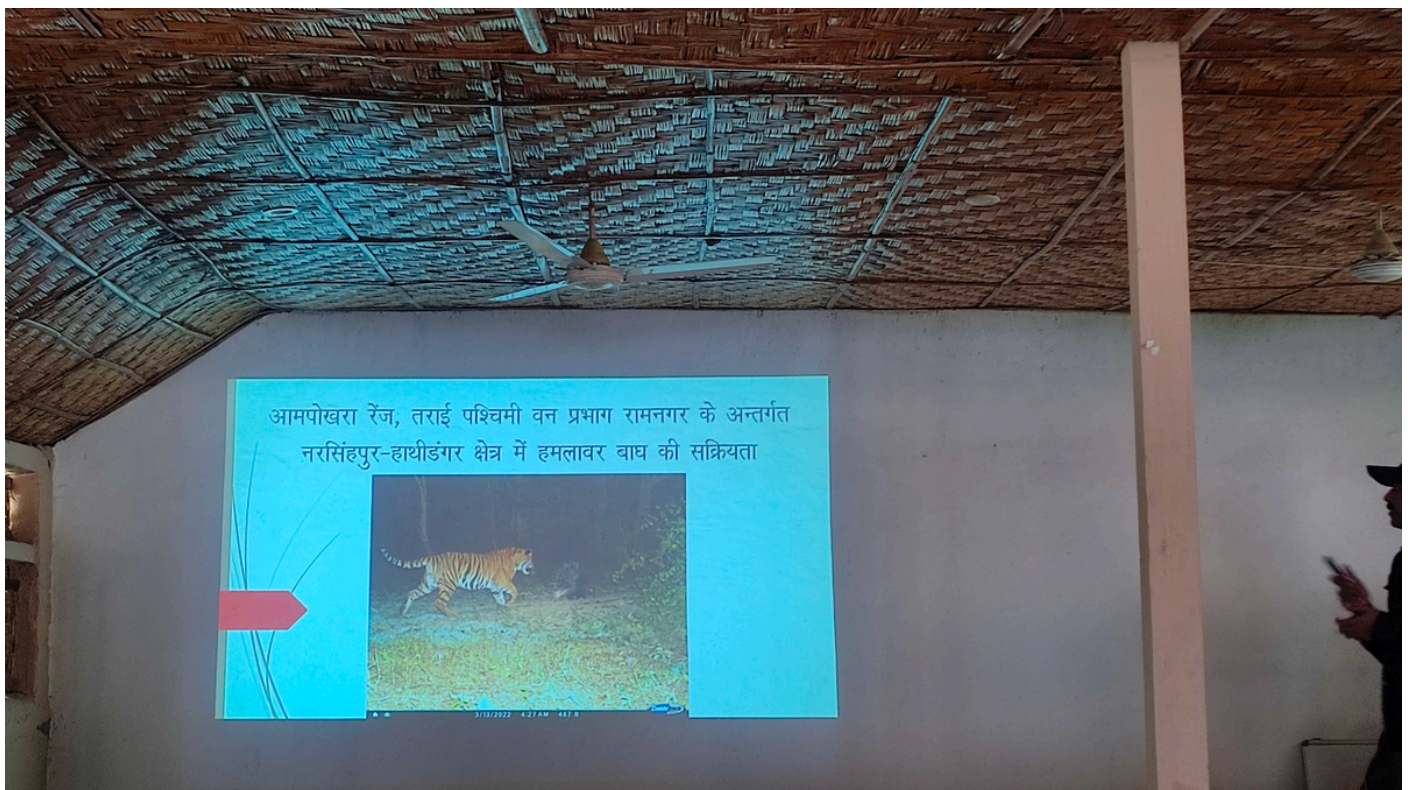
This was followed by a series of lectures about tracking and trailing, GIS mapping and at the National Park. Mr. Dorvi (Range forest Officer) also demonstrated basic equipments that are used in wildlife studies including compass, rangefinder, camera trap etc. The whole about the census that they do like to do was explained in a very detailed manner. They also made us download an app called 'ECOLOGICAL' in which an offline map of the place which lies in the Tehri region.



After a very well informed session with Mr. Dorvi, we went out in the field on a 2km trail in the Aam Pokhara region. Here, in the beginning of the trail, we were divided into groups to perform and observe the tiger census task through the app. In the trail we saw a series of indirect evidences that help in the process of census.

Signs such as tiger's pug marks, scrape marks and scat,

elephant's footprints and dung and many other fecal matter were observed. We also spotted a fresh kill of a spotted deer while on the trail, which later found out to be done by a leopard. This exercise also taught us the importance of camera traps, ecological app etc. We later went back to our forest training academy, Choonakhan by our gypsies.



## Seminar on the Tiger Census methods





## DAY 1



Tiger's pugmark seen on the trail

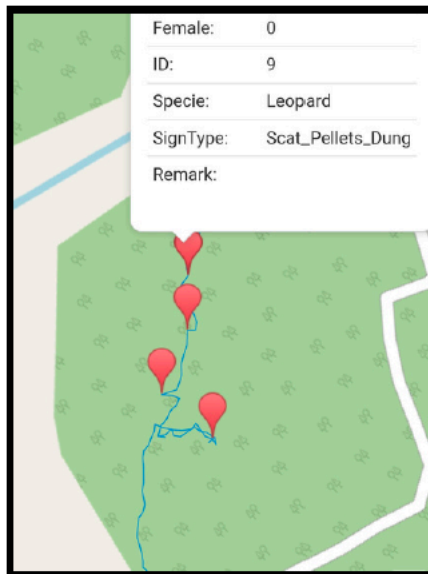


Fresh kill of a deer

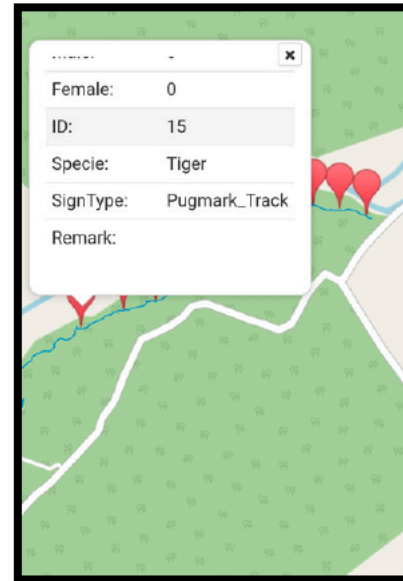


Fresh kill of the deer,  
later found out that  
was done by a leopard  
(through the camera  
trap)

## DAY 1



**Snapshots  
from the  
ecological  
app that we  
used for  
the trail  
method.**



**All the points  
where we found  
the  
direct/indirect  
evidence.**



## DAY 3 (23.11.2023)

### 1 . Visited Bharathi Rao waterfalls



In the morning of 23 November, we started with the 2km walk to a beautiful waterfall called 'Barati Rao' which was located in the Choonakhan village itself, just on a small height above the ground. Everyone enjoyed the beauty and essence of the nature that was being poured at the waterfall and even on the ways to it. We experienced an immense amount of peace when we were there. Also, we observed a lot of different and new plants such as Saal tree (which later gives out cotton balls).

## 2 . Reached Jim Corbett



Post this, after having our brunch, we left for Dhikala from the Training Centre we were staying in. On the way to Dhikala, In Ramnagar, we reached the office of divisional Forest Officer (DFO), Prakash Arya, On the way itself, after we entered, it so rich of biodiversity. There were different vegetations, we saw a lot of different species such as lantana camara, an invasive species. Soon after reaching our campsite, we left for a safari in the jungle. On the beautifully diverse safari, we encountered a lot of wildlife including a wide range of avian fauna that we identified. We spotted chital deer, sambar deer as well.

Upon returning from the safari, a couple of movies were screened for our benefit which was shown to us by the Director of Corbett, Dr. Dheeraj Pandey. The first documentary was all about Corbett National Park, its history, expansion, habitat, the fauna present. The second movie was about the forest rangers who work for the well being of the forest. The third movie was about the project tiger which was started in the Jim Corbett and is still going on in a progressive manner. Post this, we all had a beautiful and engaging interaction with the Director of Corbett, Dr. Dheeraj Pandey.

### Movie watching and interactive session with Dr. Dheeraj Pandey:





What he said:•

Jim Corbett is Asia's first National Park. It was declared a Tiger reserve in 2010. It has the highest Tiger population density.

- Unsung Heroes to Protect Our Tiger are the "FOOT PATROLLERS".
- Bee-hive fencing, beehives planted on forest fringes near villages. This keeps away elephants as elephants don't come near beehives. This also promotes an increase in pollination in that area and provides a business for villagers to obtain honey and sell it.
- Living with tigers: New project idea for making people aware, of who live near tiger reserves about "What not to do" to avoid Human-Wildlife Conflict. 100 families have been approached till now, with a target of 300 in mind.
- Local communities are offered to sell their cultural goods (e.g. Apand, which is an Art Form done by Kumaoni Women). This promotes Eco-Tourism.
- 12,000 Elephants are in Corbett which is 60 percent population in India. They are a herd of females, led by a female called Matriarch. Males leave the group after adolescence. They migrate, which is important for bonding members with each other and grooming.
- During the tourist season, the tiger's stress increases.
- Corridors: They are the connecting path between two forests.
- Conservation and preservation of corridors:
  1. Building flyovers with adequate height for elephants to cross corridors.
  2. Installing sound and light barriers for animals like bats to not get disturbed.



**The pictures of the interactive session with the  
DIRECTOR OF CORBETT- Dr. Dheeraj Pandey.**



## **DAY 4 (24.11.2023)**

### **1.Morning Safari in Dhikala**

#### **A) Asiatic Elephants (*Elephas maximus*)**



4 Females and 1 calf



**b) Spotted Deer (*Axis axis*)**

1 Male



**C) Langur (*Semnopithecus entellus*)**

1 Female

#### D) *Rhesus macaque* (*Macaca mulatta*)

1 Male



Day four began with an early morning safari, this time we were focused more on spotting a tiger. While on the safari, we encountered many different fauna and flora in the jungle such as Brown fish owl, Cheetaldeer, pugmark(male), blue whistling thrush(all black), long trail thresher, White caped water redstart, Sambar deer, barking deer, alligator etc.

While on our search for the beast, we encountered another group of people in safari, who excitedly reported sighting a tigress really close by. By the time we reached there, we saw many gypsies parked together to see the tigress. They could see it clearly with the three cubs. After a while our gypsy reached to the point where the tigress and the cubs could be seen. We actually saw the tigress with her three cubs. The tigress was first sleeping in the sun but then woke up and was sitting with her cubs. After some time, the cubs went into the grasses one by one followed by the tigress. This whole moment of sighting the Tigress was marvellous. I cannot describe it in words, I was out of my mind when I saw the tigress. This was the moment I'll forget for life.

Post this we went back to our rest house in Dhikala, and visited a museum that displayed the history of Corbett National Park and the adjoining library which housed amazing books on wildlife.

Soon after, we left Dhikala, happy with our findings and the tiger spotting and got to the Tiger cell in Ramnagar. The team there, explained us about the software they use, M-stripes and Extract Compare Software that they use to monitor the jungle, to keep a count of animals and to keep a track of the areas that have not been covered by patrolling officers while surveying the population. M-STrIPES (Monitoring System for Tigers- Intensive Protection and Ecological Status), a proprietary software developed to keep track of tigers and their prey. Census is used to keep track of deer and tiger population. They showed us how they use this software and how these help forest rangers to track the movement of deer populations and with that, they can track the movement of tiger also.

This concluded our extremely informative trip to Jim Corbett National Park. It was extremely knowledgeable, thrilling and remarkable.

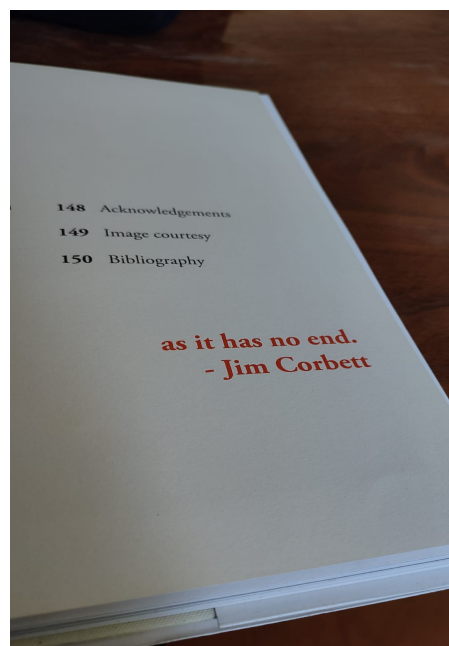


### 3. Visit to Tiger Cell



It is the place where all databases of Jim Corbett National are kept, and identification of Tiger is done with the help of AI and manually.

Live and constant watching and displaying of Corbett is done with the help of watch towers. This helps to check animals and poaching.



## DAY-5: Dhikala Museum and Library & Tiger Cell



Museum (L) and Library (R)





## Completion Certificate

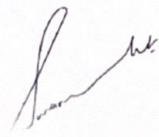


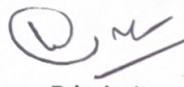
Tirumala Tirupati Devasthanams  
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**Sri Venkateswara College**  
(University of Delhi)  
NAAC Grade A+

### **CERTIFICATE**

This is to certify that the (Field trip to Jim Corbett National Park)  
was successfully conducted on (21 Nov-25 Nov, 2023) from (15:00 pm (21st Nov) to 06:00 am (25 Nov)) by (Department of Zoology) in the (Offline) mode  
and its event report has been submitted to IQAC for records.

  
Richa Misra  
Event-in-Charge

  
IQAC Coordinator  
Coordinator, IQAC  
Sri Venkateswara College  
(University of Delhi)  
Dhaura Kuan, New Delhi-110021

  
Principal  
PRINCIPAL (Acting)  
Sri Venkateswara College  
(University of Delhi)  
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