



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

Sri Venkateswara College

(University of Delhi)

NAAC Grade A+

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

EVENT REPORT

NAME OF THE EVENT: Educational Field trip to Delhi Zoo 2024			
DATE	DEPARTMENT	COMMITTEE/SOCIETY	COORDINATORS' NAME
23 September, 2024	Zoology		Dr. Richa Misra Prof. Vartika Mathur
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor; online/offline/hybrid
9 am onwards	National Zoological Park, New Delhi	36 students with teachers	Outdoor
FINANCIAL SUPPORT/ASSISTANCE (if any):	Nil		

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/SUBJECT OF THE ACTIVITY	Field Trip to Delhi Zoo for B.Sc. (H) Biological Sciences Sem V students as part of their DSE Ethology paper syllabus
OBJECTIVES	<ul style="list-style-type: none">• To introduce the concept of Ethogram construction to students• Field exercise to study animals in captivity• Field exercise to understand Zoo functioning
METHODOLOGY	Interaction with Zoo authorities Ethogram construction <i>ad libitum</i>
INVITED SPEAKERS WITH AFFILIATION DETAILS (IF ANY)	Dr. Manoj Kumar, Delhi Zoo Mr. Bhagvendra, Delhi Zoo
OUTCOMES	The students enjoyed the concepts of animal behaviour in field and made their own observations and reports along with interaction with Zoo authorities

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

Departmental file no: SVC/Zoology/2024-25/September 2024/04

IQAC File No: SVC/IQAC/Zoology/2024-25/September 2024

Criterion No: I, II

NAME OF EVENT-IN-CHARGE & SIGNATURE:

Dr. Richa Misra

Prof. Vartika Mathur

Note: Please fill in your own details in places with red font

For Reference

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

Permission Letter

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PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1. Please ensure a pre booking of the venue before getting the permission letter signed.
2. A copy of this duly filled form signed by the TIC/ Convener, IQAC Coordinator and Principal shall be submitted to ICT and/or Caretaker for necessary action.
3. 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.

EVENT DETAILS

- Name of the Department/Society/Association: ZOOLOGY
- Name of the TIC and/or Convener: Prof./Dr./Mr./Ms. Prof. Nartika Mathur & Dr. Richa Misra
- Proposed Title of the Event: Field trip to Delhi Zoo
- Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community outreach/ Skill enhancement/others (Please specify) Field Observations B.Sc(H) Biological Sciences Sem IV
- Participants: Student-centric /Faculty/ Other stakeholders (Please specify).....
- Event Type: Online/Online/Hybrid; Indoor/Outdoor
- Collaborating Agency /Organization (If any):
- Tentative List of Speakers with affiliations: NA
- Date & Time (from - to): 23 September, 2024
- Financial Assistance/ Funding received (if any) (Please specify amount): Self-funded
- Proposed Budget (please attach details in a separate enclosure):

- Faculty responsible for Geo Tagged Pictures: Dr. Nartika Mathur
- Faculty responsible for Event Report: Dr. Richa Misra
- ICT support required, if any (ICT Lab, Laptop, LCD projector) — Nil
- Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) Nil
- Venue requirement (Seminar hall/ Ground/others) ... NA



Richa Misra
TIC/Convener
Date: 18-September, 2024

For official purpose
Comments (If any) Part of Curricular activity (Practical day) Theory classes will be adjusted later in consent with respective teachers

Dr. Jayaprakash
IQAC Coordinator
Date:

V. S. Raju
Principal
Date:

*Forwarded
Sundar
19/9/24*





M-Ticket
Booking Confirmed for

Institution name: **Sri Venkateswara College (DU)**
Contact Person name: **Dr. Richa Misra**

Total Entries: **ST: 37 | AS: 1**
Total Amount: **Rs: 1520**

Date: **2024-09-23**
Time: **8:30 AM - 05:30 PM**



This transaction cannot be cancelled.
Please go through complete terms & conditions on the Regulation page.

NATIONAL ZOOLOGICAL PARK
Wearing a mask is mandatory during zoo visit



Some Pictures



Students interacting with Mr. Bhaghvendra, the Delhi Zoo Research wing expert



Students observing and recording their observations

INTRODUCTION

On September 23, 2024, we visited the National Zoological Park (NZN) located at Mathura road, New Delhi. Our group consisted of 36 students from the Biological Sciences Course, accompanied by one teacher. We arrived at the zoo at 9:00 AM and spent a full day exploring until 2:00 PM. The weather was quite hot, with the temperature reaching 34.54°C (94.17°F). The purpose of our visit was: to observe various animal species in their habitats, study animal behavior and feeding patterns, and learn about zoo management and conservation efforts. This excursion to the NZN, provided us with a unique opportunity to witness firsthand the diverse array of wildlife and the important work being done in animal conservation.

ABOUT THE NZN

National Zoological Park is a subordinate office under the Ministry of Environment, Forest and Climate Change, Govt. of India.

Name	National Zoological Park
Year of Establishments	1959
Address	Mathura Road, National Zoological Park, Sundar Nagar, New Delhi, Delhi, 110003, India
Telephone	+919310638076
E-mail	nmpzoo-cza@nic.in , nzpnnewdelhi@gmail.com
Website	http://www.nzpnnewdelhi.gov.in/
Category of Zoo	Large Zoo
Area (in Hectares)	97
Visitors' Facilities Available in Zoo	Battery Operated trolley, Dustbins, Parking facilities, Drinking water points, Washrooms, Cloakroom, Signages, Resting facilities
Weekly Closure day of the Zoo	Friday

History

The National Zoological Park, inaugurated on **1st November 1959**, spans approximately **240 acres (97 hectares)** area in New Delhi, India. NZN is Managed by the **Ministry of Environment, Forest and Climate Change**, the zoo houses **250 species** of animals. It is Designed to provide recreation and promote conservation education, the zoo features modern moated enclosures and follows a unique theme where animals are displayed based on their **continent of origin**. The six continents represented are **Asia, Africa, North America, South America, Europe, and Australia**. As a member of the **Central Zoo Authority (CZA)**, the zoo adheres to regulations for wildlife management and conservation. Established under the Wildlife (Protection) Act in 1991, the CZA

ensures that the zoo participates in conservation breeding programs for endangered species like the Royal Bengal tiger, Indian rhinoceros, and Asiatic lion.

The National Zoological Park in Delhi comprises 10 departments, each vital to its operation:

- 1. Animal Section:** The largest department, managing four types of animal collections:
 - **Main animal collection:** Animals on regular display
 - **Research animals:** Used in specific studies, For example, *Painted storks*.
 - **Quarantine animals:** New arrivals or rescued animals, kept for 3 weeks to 6-7 months.
 - **Feeding stock:** Animals bred as food for other zoo animals, never displayed. For example, *Rabbit and chicks for Indian rock python* and other snakes.
- 2. Veterinary Section:** Responsible for animal health, including:
 - Laboratory facilities
 - Regular fecal, serum, and urine analysis every 3 weeks
- 3. Research Section:** Includes biologists and other scientists conducting various studies on zoo animals and their habitats
- 4. Education Section:** Manages educational programs, including:
 - Issuing research permissions
 - Organizing campaigns like "*Swachhta he Sewa, 2024*" & Ongoing "*Wildlife Week Events*" from 2 Oct to 8 Oct, 2024.
 - Coordinating other public awareness programs
- 5. Commissary:** Handles animal nutrition, starting food preparation as early as 5:00 AM daily
- 6. Horticulture Department:** Maintains zoo vegetation, including management of species like *Prosopis (mesquite)*
- 7. Security Department:** Ensures safety of animals, staff, and visitors
- 8. Sanitation Department:** Manages cleanliness, including proper disposal of animal leftovers
- 9. Maintenance Department:** Handles repairs and upkeep of zoo facilities
- 10. Administration:** Oversees overall zoo management and operation.



Nilgai



Swan



Blackbuck



Painted Stork



Ostrich



Fodder House



Slaughter House



Lecture by Dr. Manoj Kumar

B. Ethograms

Following are ethograms compiled to record the *ad libitum* behaviours of three animals I observed closely for around 3 minutes, noting down their activities every 30 seconds:

Species: *Struthio camelus* (ostrich) **Sex:** Not sure

Weather: Sunny **Start time:** 10:08 AM

Notes: Observations were recorded on field. **End time:** 10:11 AM

TIME AFTER START TIME (MIN)	BEHAVIOUR	DESCRIPTION
0:30	Walking	The ostrich walks across its enclosure with its typical gait, looking ahead.
1:00	Feeding	It bends down to scrape at a depression in the ground for perhaps food.
1:30	Walking	It circles around a pillar of a small house-like structure in its enclosure.
2:00	Walking	It walks back along the same path towards the other ostrich in its enclosure.
2:30	Fanning	It repeats its behaviour by walking back to the house, slightly spreading open its wings as it walks.
3:00	Feeding	It again bends down to scrape at the ground for food.



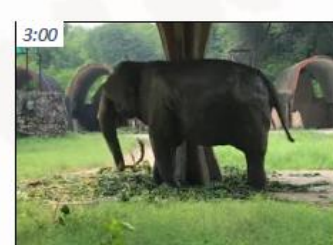
Figure1. Ostrich observed at the zoo.

Species: *Elephas maximus* (Asian elephant) Sex: Female

Weather: Sunny Start time: 11:02 AM

Notes: Observations were made from recorded video. End time: 11:05 AM

TIME AFTER START TIME (MIN)	BEHAVIOUR	DESCRIPTION
0:30	Foraging	The elephant is standing, swaying its tail from side to side, flapping its ears as she picks up green fodder with her trunk.
1:00	Foraging	She swings her curved trunk holding fodder back and forth rapidly.
1:30	Foraging	She continues to swing her trunk back and forth as some of the fodder drops down to the ground.
2:00	Dust bathing	She throws the collected fodder onto her body, perhaps to bathe in the soil that comes with it.
2:30	Feeding	She picks up some more fodder, and puts it into her mouth and chews.
3:00	Foraging	She again picks up the fodder and swings her trunk back and forth.



Snapshots of the female Asian elephant at every 30 seconds in the 3-minute observation of its behaviour made.

C. Daily Feed Schedule

During our visit, we had the chance to explore the zoo's commissary, where a diverse array of food was being prepared from good quality raw materials to meet the specific dietary needs of each animal, from the smallest birds to the large elephants. We interacted with the staff responsible for the preparation, who shared insights into the planning required to ensure proper nutrition for all species. We also toured the slaughterhouse, where fish, buffalo meat, and other provisions for the carnivores were stored and prepared. Below is a list of standardized diets for select animals in both summers and winters:

At present, to help animals cope with the hot weather, they're being fed a variety of cool treats, including watermelon, melon, cucumber, and fruit-based ice cream, as well as regular drinks made of glucose and cold water. They are also being served *kheer*. Frozen meat is being given to carnivorous animals, who are being fed 20% less food compared to their winter diet to help their digestive systems adapt to the heat.

Supporting Pictures:



COMPOSITION			MASH		DISTRIBUTION	
S.N.	DIET-ARTICLE	QTY IN KG	BEAT No.	QTY IN KG		
1	BRAN OF WHEAT 3%	2.000	01	10.000	01	10.000
2	BARLEY COMPRESSED	2.000	02	10.000	02	10.000
3	OATS COMPRESSED	1.000	03	10.000	03	10.000
4	MAIZE CRUSHED	1.000	04	10.000	04	10.000
5	GRAM BENGAL	1.000	05	10.000	05	10.000
6	GROUND NUT OIL CAKE	1.000	06	10.000	06	10.000
7	SALT	1%	07	10.000	07	10.000
8	HALDI	1%	08	10.000	08	10.000
	TOTAL	10.000	09	10.000	09	10.000
	GRAM SOAKED	1.000	10	10.000	10	10.000
			11	10.000	11	10.000
			12	10.000	12	10.000
			13	10.000	13	10.000
			14	10.000	14	10.000
			15	10.000	15	10.000
			16	10.000	16	10.000
			17	10.000	17	10.000
			18	10.000	18	10.000
			19	10.000	19	10.000
			20	10.000	20	10.000
			HOSPITAL	TOTAL		





23/11

Page No. _____
Date: / /

Arjun - 1322001	Ayush - 49
Sudha - 1322002	Riddhima - 50
Paridhi - 1322004	Rahul - 51
Henna - 1322005	Anjali
Yash - 1322006	Jewel - 54
Ritika - 1322007	Shivalika - 59
X Alpa - 08	Sanskriti - 54
Prakriti - 11	Lakshya - 60
Anisha - 13	X Shubang - 61
Lakshay - 23	Aditi - 62
Aashlesha - 24	Sushant - 63
Mehak - 25	
Harsh - 26	
Debasmita - 27	
Agardeep - 29	
Aditi - 31	
Srijal - 32	
Aman - 33	
Susmita - 34	
Nidhi - 35	
Nidhi - 38	
Shruti - 39	
Aashdeep - 40	
Ishan - 41	
Mahak - 42	
Shubham - 44	
Aarsha - 46	
Geeta - 48	



Tirumala Tirupati Devasthanams

श्री वेंकटेश्वर कलाशाला

Sri Venkateswara College

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समापन प्रमाण पत्र
COMPLETION CERTIFICATE

यह प्रमाणित किया जाता है कि **दिल्ली चिड़ियाघर की शैक्षिक क्षेत्र यात्रा** को **23 सितम्बर** को सुबह 9 बजे विभाग जूलॉजी द्वारा (ऑफ़लाइन) माध्यम में सफलतापूर्वक आयोजित किया गया और इस कार्यक्रम की रिपोर्ट अभिलेख के लिए आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ (IQAC) को जमा कर दी गई है।

This is to certify that the **Educational Field trip to Delhi Zoo** was successfully conducted on **23 September, 2024** from **9:00 am to 2 pm** by **Department of Zoology** in the **Offline** mode and its event report has been submitted to IQAC for records.

Richa Misra
Event-in-Charge

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

A. K. Kishore
Principal
प्रधानाचार्य
Principal
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Sri Venkateswara College
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