



Department : Zoology		
Academic Year : 2024-25		
Sr. No.	Programme Code	Name of the Programme
01.	118	Bachelor of Science in Zoology
	Semester VI	Paper Code: ZOUFSF1 -Field study tour

REVISED SCHEME AND SYLLABUS

FOR

Learning Outcomes based Curriculum Framework

(LOCF)

For

ZOOLOGY HONOURS

DEPARTMENT OF ZOOLOGY

SCHOOL OF LIFE SCIENCES

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (CG)

2021



Semester V						
CC-11 Theory	ZOUETT1	Biotechniques	3	3	30	70
CC-11 Practical	ZOUELT1	Lab Course	2	4	30	70
CC-12 Theory	ZOUETT2	Microbiology, Parasitology and Immunology	3	3	30	70
CC-12 Practical	ZOUELT2	Lab Course	2	4	30	70
DSE-1 Theory	ZOUETD1	Mammalian Physiology	3	3	30	70
DSE-1 Practical	ZOUELD1	Lab Course	2	4	30	70
DSE-2 Theory	ZOUETD2	Endocrinology	3	3	30	70
DSE-2 Practical	ZOUELD2	Lab Course	2	4	30	70
AEC-3 Theory		To be drawn from the pool of AEC	1	1	30	70
AEC-3 Practical		To be drawn from the pool of AEC	1	2	30	70
		Additional Credit Course				
TOTAL			22	31	300	700
Semester VI						
CC-13 Theory	ZOUFTT1	Biostatistics and Bioinformatics	3	3	30	70
CC-13 Practical	ZOUFLT1	Lab Course	2	4	30	70
CC-14 Theory	ZOUFTT2	Applied Zoology	3	3	30	70
CC-14 Practical	ZOUFLT2	Lab Course	2	4	30	70
DSE-3 Theory	ZOUFTD1	Neuroscience / Wildlife Conservation and Management	3	3	30	70
DSE-3 Practical	ZOUFLD1	Lab Course based on theory paper of DSE 3	2	4	30	70
Field study/ tour	ZOUFSF1	Followed by report submission and Seminar	2	4	30	70
Dissertation/ Project work	ZOUFDD1	Followed by report submission, presentation and viva-voce	7	14	30	70
		Additional Credit Course				
TOTAL			23	37	240	560
TOTAL CREDITS			133			

As per UGC LOCF guidelines, University / department have liberty to offer GEC, AEC and SEC courses offered by any department to students of other departments.

The No. of GEC course is four. One GEC course is compulsory in first 4 semesters each. Pool for GEC will be given by Dean.

The No. of AEC course is five. One AEC course is compulsory in first 5 semesters each.

The No. of SEC course is two. One SEC course is compulsory in first 2 semesters each.

Pool for AEC and SEC will be given by University.

List of GEC, AEC and SEC offered by the department


S No	GEC	AEC	SEC
1	Exploring the Brain: Structure and Function	History of Indian science	Reproductive technologies
2	Vectors, Diseases and Management	Personality development	Aquaculture
3	Food, Nutrition and Health	Human health and sex education	Toxicology
4	Global Environmental Issues	Human nutrition	Sericulture

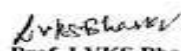
Department may offer at least one paper in whole UG program on MOOC's platform and it will be compulsory to all students.

Summer Internship*: duration will be 2-4 weeks (minimum 90 working hours).


Prof. S K Prasad
(External Expert)


Dr. Rohit Seth
(Member)


Dr. S K Verma
(Member)


Prof. LVKS Bhaskar
(HOD)



Department : Zoology

Programme Name : B. Sc.

Academic Year : 2024-25

List of students undertaking Field Projects/Projects / Internships

Sr. No.	Name of the Student	Title of the field study tour	Page No.
01.	Amish Choudhary	A Study on Hippopotamus	1-3
02.	J. Sheeba Rani	A Study on Hippopotamus	
03.	Jeevan	A Study on Hippopotamus	
04.	Krish Anant	A Study on Hippopotamus	
05.	M. Archana	A Study on Hippopotamus	
06.	Mahendra Bareth	A Study on Hippopotamus	
07.	Mitali Kumbhkar	A Study on Hippopotamus	
08.	Shreya Patra	A Study on Hippopotamus	
09.	Bhuvneshwar Jagat	Zoological Park: A Study on Deer	4-6
10.	Divya Bharti	Zoological Park: A Study on Deer	
11.	Nidhi Rani Gritlahre	Zoological Park: A Study on Deer	
12.	S Juned Sahu	Zoological Park: A Study on Deer	
13.	Sanket Prakash Sai	Zoological Park: A Study on Deer	
14.	Sonal	Zoological Park: A Study on Deer	
15.	Yahawant Kumar Chaure	Zoological Park: A Study on Deer	
16.	Juhi Gupta	A Study On Lion	7-9
17.	Sudhir Pradhan	A Study On Lion	



18.	Neeta Bhaskar	A Study On Lion	
19.	Kiran Porte	A Study On Lion	
20.	Keshav Kunal Sharma	A Study On Lion	
21.	Yashika Bharti	A Study On Lion	
22.	Divya Chaturvedi	A Study On Lion	
23.	Anjali Dhirvi	Study of EMU	10-12
24.	Archita Pathak	Study of EMU	
25.	Deepti Patel	Study of EMU	
26.	Enkesh Meshram	Study of EMU	
27.	Manisha Patel	Study of EMU	
28.	Naveen Diwakar	Study of EMU	
29.	Priyanshi Sharma	Study of EMU	
30.	Aastha Dewangan	A Study on <i>Crocodylus porosus</i>	13-15
31.	Aastha Rani	A Study on <i>Crocodylus porosus</i>	
32.	Apeksha Gupta	A Study on <i>Crocodylus porosus</i>	
33.	Bhoomika Kaushik	A Study on <i>Crocodylus porosus</i>	
34.	Devika Patel	A Study on <i>Crocodylus porosus</i>	
35.	Omjyoti Dansena	A Study on <i>Crocodylus porosus</i>	
36.	Sheetla Dewangan	A Study on <i>Crocodylus porosus</i>	
37.	Vineet Kumar	A study on Cobra	16-18
38.	Isha Patel	A study on Cobra	
39.	Nusiaba Afza	A study on Cobra	
40.	Pratibha Patel	A study on Cobra	



41.	Dishika Patel	A study on Cobra	
42.	Nikita Patel	A study on Cobra	
43.	Sreya T P	A study on Cobra	
44.	Manish Kumar Kurrey	Academic visit to kanan pendari zoological park : A study on white peacock	19-21
45.	Ashish Kumar	Academic visit to kanan pendari zoological park : A study on white peacock	
46.	Sahaj Juneja	Academic visit to kanan pendari zoological park : A study on white peacock	
47.	Nikhil Kumar Dhritlahre	Academic visit to kanan pendari zoological park : A study on white peacock	
48.	Rupendra Kumar Kashyap	Academic visit to kanan pendari zoological park : A study on white peacock	
49.	Roshan Patel	Academic visit to kanan pendari zoological park : A study on white peacock	
50.	Navin Kumar Gupta	Academic visit to kanan pendari zoological park : A study on white peacock	
51.	Anurag Mohite	Academic visit to kanan pendari Zoological park: A Study on tiger	22-24
52.	Deepika Kashyap	Academic visit to kanan pendari Zoological park: A Study on tiger	
53.	Dipti Dugge	Academic visit to kanan pendari Zoological park: A Study on tiger	



54.	Projesh Kumar Choudhary	Academic visit to Kanan pendari Zoological park: A Study on tiger	
55.	Rasmi Tiwari	Academic visit to Kanan pendari Zoological park: A Study on tiger	
56.	Shaily Theresa Khalkho	Academic visit to Kanan pendari Zoological park: A Study on tiger	
57.	V. Bhavna	Academic visit to Kanan pendari Zoological park: A Study on tiger	
58.	Kajal Lahare	Academic visit to Kanan Pendari Zoological Park: A study on Python	25-27
59.	Kanak Soni	Academic visit to Kanan Pendari Zoological Park: A study on Python	
60.	Kushi Dewangan	Academic visit to Kanan Pendari Zoological Park: A study on Python	
61.	Nisha Kanwar	Academic visit to Kanan Pendari Zoological Park: A study on Python	
62.	Sanjana Yadav	Academic visit to Kanan Pendari Zoological Park: A study on Python	
63.	Shalini Khande	Academic visit to Kanan Pendari Zoological Park: A study on Python	
64.	Shivani Khairwar	Academic visit to Kanan Pendari Zoological Park: A study on Python	
65.	Tarani Sahu	Academic visit to Kanan Pendari Zoological Park: A study on Python	

Signature and Seal of the Head


RESPONSIBLE
HEAD
कानु विभाग प्रमुख
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya, Bilaspur

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

**ACADEMIC VISIT TO
KANAN PENDARI ZOOLOGICAL PARK:
A STUDY ON HIPPOPOTAMUS**



**DEPARTMENT OF ZOOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(C.G.)
2022-2025**



A TOUR REPORT

**Submitted in partial fulfillment for the degree of B.Sc. in
Zoology**

**Supervised by
Prof. Monika Bhadauria**

Submitted by:

Amish Choudhary	22061103
J. Sheeba Rani	22061121
Jeevan	22061122
Krish Anant	22061129
M. Archana	22061130
Mahendra Bareth	22061131
Mitali Kumbhkar	22061134
Shreya Patra	22061162

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)



Department of Zoology
Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur 495009 (C.G.)

(A Central University Established under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Amisha Choudhary, J. Sheeba Rani, Jeevan, Krish Anant, M. Archana, Mahendra Kumar Bareth, Mitali Kumbhkar and Shreya Patra** have submitted a tour report for B. Sc. (Zoology) degree entitled "**ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK: A STUDY ON HIPPOPOTAMUS**" under my supervision and guidance. This report has not been submitted for the award of any other degree.

Date: 06/05/25

Place: Bilaspur

Mouli

Signature of Supervisor
Department of Zoology
Guru Ghasidas Vishwavidyalaya, Bilaspur

[Signature]

Head of the Department

विभागाध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur



CONTENT

HISTORY OF KANAN PENDARI ZOOLOGICAL PARK	01-02
DISTRIBUTION OF HIPPOPOTAMUS	02-04
CLASSIFICATION OF HIPPOPOTAMUS	04-05
BEHAVIOUR OF HIPPOPOTAMUS	05-08
FEEDING HABITS	08-09
MATING HABITS	09-10
THREATS TO HIPPOPOTAMUS	11
CONSERVATION EFFORTS	12
ECOLOGICAL IMPORTANCE OF HIPPOPOTAMUS	12-13
CONCLUDING REMARKS	14
REFERENCES	15



ACADEMIC VISIT TO KANAN PENDARI
ZOOLOGICAL PARK: A STUDY ON DEER



DEPARTMENT OF ZOOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
2022-2025



A TOUR REPORT

Submitted in partial fulfillment for the degree of B.Sc. in Zoology

Supervised by
DR. GEETA MISHRA

Submitted by:

Bhuvneshwar jagat	22061110
Divya Bharti	22061117
Nidhi Rani Ghritlahare	22061139
S Junedh Sahu	22061153
Sanket Prakash Sai	22061156
Sonal	22061164
Yashawant Kumar Chaure	22061173

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)



DEPARTMENT OF ZOOLOGY

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A Central University established by Central University Act 2009 no.25 of 2009)

CERTIFICATE

This is to certify that **BHUVNESHWAR JAGAT, DIVYA BHARTI, NIDHI RANI GHRITLAHARE, S JUNEDH SAHU, SANKET PRAKASH SAI, SONAL and YASHAWANT KUMAR CHAURE** have submitted a tour report for B.Sc. (Zoology) degree entitled "ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK: A STUDY ON DEER" under my supervision and guidance. This report has not been submitted for the award of any other degree.

Date: 07/05/2025

Place: Bilaspur

Signature of Supervisor

Date: 07/05/2025

Place: Bilaspur

Head of Department

विभागाध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur



Content :

1. Introduction
2. Taxonomy and Classification
3. Physical Characteristics
4. Habitat and Distribution
6. Diet and Feeding Habits
7. Reproduction
8. Communication
9. Adaptation
11. Species Diversity
12. Role in Ecosystem
13. Human -Deer interactions
14. Threats and Conservation
15. Discussion
16. Conclusion
17. References



**ACADEMIC VISIT TO KANAN PENDARI
ZOOLOGICAL PARK: A STUDY ON LION**



**DEPARTMENT OF ZOOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
2022-2025**



A TOUR REPORT

Submitted in partial fulfillment for the degree of B.Sc. in Zoology

Supervised by

DR. NEHA JAIN (assistant professor)

Submitted by:

1. JUHI GUPTA
2. SUDHIR PRADHAN
3. NEETA BHASKAR
4. KIRAN PORTE
5. KESHAV KUNAL SHARMA
6. YASHIKA BHARTI
7. DIVYA CHATURVEDI

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

Department of Zoology
Guru Ghasidas Vishwavidyalaya
(A central university established by act of parliament no.25 of 2009)



CERTIFICATE

This is to certify that Juhi Gupta , Sudhir Pradhan ,Neeta Bhaskar, Keshav Kunal Sharma, Kiran Porte ,Yashika Bharti , Divya Chaturvedi have submitted a tour report for B.Sc. (Zoology) degree entitled "ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK: A STUDY ON "LION" under my supervision and guidance. This report has not been submitted for the award of any other degree.

Date: 07/05/2025

Place: Bilaspur


07/05/2025
Signature of Supervisor

Date: 07/05/2025
Place : Bilaspur


Head of the Department
विभागाध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि. वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur



CONTENTS

• INTRODUCTION	2
• GENERAL CHARACTERISTIC	3-5
• HABIT AND HABITATS	6-7
• PECULIAR CHARACTERISTICS	8
• REPRODUCTION AND LIFE CYCLE	9
• PRESENT STATUS IF LION IN INDIA	10
• STEPS TAKEN BY GOVERNMENT	11
• IMPORTANCE OF LION	12
• AMAZING FACTS ABOUT LION	13
• CONCLUSION	14
• REFERENCES	15

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

**ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL
PARK: A STUDY ON EMU**



A Field Report

Submitted in partial fulfillment for the degree of

B. Sc. In Zoology



Submitted By-

Anjali Dhirvi - 22061104

Archita Pathak - 22061107

Deepti Patel - 22061113

Enkesh Meshram - 22061119

Manisha Patel - 22061133

Naveen Diwakar - 22061135

Priyanshi Sharma - 22061147

Under Supervision of -

Dr. Santosh Singh

DEPARTMENT OF ZOOLOGY

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR 495009 (C.G.) 2025

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)



Department of Zoology
Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur 495009 (C.G.) (A Central University Established under Central University Act 2009, No.25 of 2009)

CERTIFICATE

This is to certify that Anjali Dhirvi , Archita Pathak, Deepti Patel ,Priyanshi Sharma, Enkesh Meshram , Manisha Patel and Naveen Diwakar has been completed have submitted a Field report for B.Sc.(Zoology) degree entitled "ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK:A STUDY ON EMU" under my supervision and guidance. This report has not been submitted for the award of any other degree.

Santosh Singh
7/5/26
Signature of Supervisor

Forwarded

Date: 7 may 2025

Place: Bilaspur

Santosh Singh
HEAD
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur



CONTENTS

● What is Zoological garden?	1
● Kanan Pendari Zoological garden	1-2
● Introduction : Emu	3
● Classification and Anatomy	3-5
● Ecology and Behaviour :	5-7
(a) Habitat (b) Food and Feeding habits	
● Reproduction in Emu	7-10
● Threats to Emu	10-11
● Conservation strategies and Management	11-12
● Fun and Peculiar Fact about Emu	12-14
● The Famous Emu War of Australia	14-15
● Conclusion	16
● References	17

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

**ACADEMIC VISIT OF KANAN PENDARI ZOOLOGICAL PARK,
BILASPUR (CG): A STUDY ON “*Crocodylus porosus*”**



(SALTWATER CROCODILE)

A TOUR REPORT

SUBMITTED IN PARTIAL FULFILLMENT

FOR THE DEGREE OF

BACHELOR OF SCIENCE IN ZOOLOGY

SUBMITTED BY:

AASTHA DEWANGAN -22061101
AASTHA RANI-22061102
APEKSHA GUPTA -22061106
BHOOMIKA KAUSHIK -22061109
DEVIKA PATEL-22061114
OMJYOTI DANSENA-22061144
SHEETLA DEWANGAN -22061160

GUIDED BY:

DR. SUSHANT KUMAR VERMA
(ASSISTANT PROFESSOR)
DEPARTMENT OF ZOOLOGY



DEPARTMENT OF ZOOLOGY

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)



गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University)
Koni, Bilaspur-495009 (C.G.)
Phone: 07752-260036, Fax : 07752-260154

CERTIFICATE

This is to certify that AASTHA DEWANGAN, AASTHA RANI, APEKSHA GUPTA ,
BHOOMIKA KAUSHIK, DEVIKA PATEL, OMJYOTI DANSENA and SHEETLA
DEWANGAN have submitted a tour report for B.Sc. (Zoology) degree entitled
“ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK,
BILASPUR (CG) : A STUDY ON “*Crocodylus porosus* (SALTWATER
CROCODILE)” under my guidance and this report has not been submitted for
the award of any other degree.

SIGNATURE OF SUPERVISOR

DATE: 06.05.2025

HEAD OF DEPARTMENT

विभागाध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur



CONTENTS

S.NO.	TOPICS	PAGE NO.
1.	INTRODUCTION	1
2.	OVERVIEW OF KANAN PENDARI ZOOLOGICAL PARK	2-4
3.	TAXONOMY AND CLASSIFICATION OF SALTWATER CROCODILE	4
4.	HABITAT AND NATURAL DISTRIBUTION	5
5.	MORPHOLOGY AND PHYSIOLOGY	5-6
6.	PECULIAR TRAIT AND ADAPTATION	6-8
7.	LIFESPAN/LONGEVITY	8
8.	REPRODUCTION: GROWTH AND DEVELOPMENT	8-9
9.	PARENTAL CARE	9-10
10.	FEEDING ECOLOGY	10-11
11.	BEHAVIOURAL ECOLOGY	11-12
12.	ECOLOGICAL ROLE OF SALTWATER CROCODILE	13
13.	PREDATION ,THREATS AND CHALLENGES	13-14
14.	CONSERVATION STATUS	14-15
15.	ROLE OF KANAN PENDARI ZOOLOGICAL PARK IN CROCODILE CONSERVATION	15-16
16.	CONCLUSION	17
17.	REFERENCES	18

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

**ACADEMIC VISIT OF KANAN PENDARI A ZOOLOGICAL
GARDEN: A STUDY ON "*Naja naja*" (Cobra)**



A Project Report

**Submitted in partial fulfillment for the degree of
B.Sc. Hons Zoology**

Submitted by

VINEET KUMAR
DISHIKA PATEL
NUSAIBA AFZA
PRATIBHA PATEL
NIKITA PATEL
ISHA PATEL
SHREYA T.P

Supervised by

DR. NARESH CHANDRA AGRAWAL
(Assistant professor)



**DEPARTMENT OF ZOOLOGY
SCHOOL OF LIFE SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
2025**

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)




Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)



DEPARTMENT OF ZOOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A central university established by central university Act 2009 No. 25 of 2009)

CERTIFICATE

This is to certify that Vineet Kumar, Dishika Petel, Nusaiba Afza, Pratibha Patel, Nikita Patel, Isha Patel, Shreya T.Phawe submitted a project report for B.Sc. Hons Zoology degree entitled "ACADEMIC VISIT OF KANAN PENDARI A ZOOLOGICAL GARDEN: A STUDY ON "Naja naja" (Cobra), under my supervision and this report has not been submitted for the award of any other degree.


Signature of Supervisor

Date: 7th May, 2025

Place: Bilaspur


Head of the Department

विभागाध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur



CONTENTS

1.	Kanan Pendari	0
2.	Introduction	1
3.	Distribution and Habitat	2-3
4.	Morphology	4-7
5.	Peculiar Characteristics	8-9
6.	Feeding Behaviour	10-11
7.	Reproductive Behaviour	12-15
8.	Parental Care	16-19
9.	Interaction with Human & Environment	20-24
10.	Conservation	25-26
11.	References	27

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 का 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

Department Of Zoology

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A Central University established by Central University Act 2009 no.25 of 2009)



CERTIFICATE

This is to certify that **Manish Kumar Kurrey, Navin Kumar Gupta, Nikhil Kumar Dhritlahare, Roshan Patel, Rupendra Kumar Kashyap, Sahaj Juneja, Tanishka Rai** have submitted a tour report for B.Sc. (Zoology) degree entitled “**ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK: A STUDY ON WHITE PEACOCK**” under my supervision and guidance. This report has not been submitted for the award of any other degree.

Date: 07/05/2025

Place: Bilaspur (C.G.)

Signature of supervisor

Head of the Department

विभागाध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 का 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

Department Of Zoology

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

(A Central University established by Central University Act 2009 no.25 of 2009)



CERTIFICATE

This is to certify that **Manish Kumar Kurrey, Navin Kumar Gupta, Nikhil Kumar Dhritlahare, Roshan Patel, Rupendra Kumar Kashyap, Sahaj Juneja, Tanishka Rai** have submitted a tour report for B.Sc. (Zoology) degree entitled “**ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK: A STUDY ON WHITE PEACOCK**” under my supervision and guidance. This report has not been submitted for the award of any other degree.

Date: 07/05/2025

Place: Bilaspur (C.G.)

Signature of supervisor

Head of the Department

विभागाध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur



S. No.	CONTENTS	PAGE NO.
1	INTRODUCTION	1
2	GENERAL PHYSICAL CHARACTERISTICS	2
3	GEOGRAPHICAL DISTRIBUTION	3
4	HABITAT	4
5	ROLE IN ECOSYSTEM	4
6	FEEDING HABITS AND BEHAVIOUR	5
8	MATING AND BREEDING	5
9	PARENTAL CARE AND CHICK DEVELOPMENT	6
10	REPRODUCTION AND LIFE CYCLE	6
11	THREATS AND PRESENT STATUS	7
12	CONSERVATION EFFORTS AND STRATEGIES	7
13	CONCLUSION	8
14	REFERENCES AND INTERNET LINKS	8

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

**ACADEMIC VISIT TO KANAN PENDARI
ZOOLOGICAL PARK: A STUDY ON TIGER**



**DEPARTMENT OF ZOOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
2022-2025**



A TOUR REPORT

Submitted in partial fulfillment for the degree of B.Sc. in Zoology

Supervised by
DR.MANISH KUMAR TRIPATHI

Submitted by:

ANURAG MOHITE	22061105
DEEPIKA KASHYAP	22061112
DIPTI DUGGE	22061115
PROJESH KUMAR CHOUDHARY	22061148
RASHMI TIWARI	22061149
SHAILY THERESA KHALKHO	22061157
V.BHAVNA	22061170

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

Department of Zoology
Guru Ghasidas Vishwavidyalaya

(A central university established by act of parliament no.25 of 2009)



CERTIFICATE

This is to certify that **Anurag Mohite, Deepika Kashyap, Dipti Dugge, Projesh Kumar Choudhary, Rashmi Tiwari, Shaily Theresa Khalkho** and **V. Bhavna**, have submitted a tour report for B.Sc. (Zoology) degree entitled "**ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK: A STUDY ON TIGER**" under my supervision and guidance. This report has not been submitted for the award of any other degree.

Date: 07/05/25

Place: Bilaspur

Anurag Mohite
07/05/25

Signature of Supervisor

Dr. Anurag Mohite
07/05/25

Head of the Department

मुख्याध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
for Anurag Mohite



S. No.	CONTENTS	PAGE NO.
1.	ABOUT KANAN PENDARI	1
2.	INTRODUCTION	2
3.	GENERAL PHYSICAL CHARACTERISTICS	3-4
4.	GEOGRAPHICAL DISTRIBUTION	5
5.	HABITAT	6
6.	ROLE IN ECOSYSTEM	6
7.	FEEDING HABITAT AND BEHAVIOUR	6
8.	HUNTING METHOD	7
9.	MATING AND BREEDING	7
10.	PARENTAL CARE AND CUB DEVELOPMENT	8
11.	REPRODUCTION AND LIFE CYCLE	9
12.	THREATS AND PRESENT STATUS	9
13.	CONSERVATION EFFORTS AND STRATEGIES	10
14.	CONCLUSION	11
15.	REFERENCES	11

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

ACADEMIC VISIT TO KANAN PENDARI
ZOOLOGICAL PARK: A STUDY ON PYTHON



DEPARTMENT OF ZOOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(C.G.)

2022-2025



A TOUR REPORT

Submitted in partial fulfillment for the degree of B.Sc. in
Zoology Supervised by Prof. LVKS Bhaskar

Submitted by:

Kajal Lahare	22061124
Kanak Soni	22061125
Khushi Dewangan	22061127
Nisha Kanwar	22061142
Sanjana Yadav	22061155
Shalini Khande	22061158
Shivani Khairwar	22061161
Tarani Sahu	22061168

गुरु घासीदास विश्वविद्यालय
(केंद्रीय विश्वविद्यालय अधिनियम 2009 अ. 25 के अंतर्गत स्थापित केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)



Department of Zoology
Guru Ghasidas Vishwavidyalaya
Koni, Bilaspur 495009 (C.G.)

(A Central University Established under Central University Act 2009, No. 25 of 2009)

CERTIFICATE

This is to certify that **Kajal Lahare, Kanak Soni, Khushi Dewangan, Nisha Kanwar, Sanjana Yadav, Shalini Khande, Shivani Khairwar and Tarani Sahu** have submitted a tour report for B. Sc. (Zoology) degree entitled "ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK: A STUDY ON PYTHON" under my supervision and guidance. This report has not been submitted for the award of any other degree.

Date:

Place: Bilaspur

LVKS Bhaskar 6/5/2015
Signature of Supervisor

PROF. LVKS BHASKAR
PROFESSOR OF ZOOLOGY
GURU GHASIDAS VISHWAVIDYALAYA,
KONI, BILASPUR - 495009

[Signature]
Head of the Department

विभागाध्यक्ष
HEAD
जन्तु विज्ञान विभाग
Department of Zoology
गुरु घासीदास वि.वि., बिलासपुर
Guru Ghasidas Vishwavidyalaya Bilaspur



CONTENT

HISTORY OF KANAN PENDARI ZOOLOGICAL PARK
CLASSIFICATION OF PYTHON
HABITAT OF PYTHON
PHYSICAL CHARACTERISTICS OF PYTHON
DISTRIBUTION OF PYTHON
FEEDING HABITS
MATING HABITS
ECONOMIC IMPORTANCE OF PYTHON
THREATS TO PYTHON
CONSERVATION EFFORTS
REFERENCES