



## Minutes of Meetings (MoM) of Board of Studies (BoS)

**Academic Year : 2020-21**

**School : School of Studies of Life Sciences**

**Department : Zoology**

**Date and Time : 18 Aug, 2020 - 11:30 AM**

**Venue : Department of Zoology**

The scheduled meeting of member of Board of Studies (BoS) of Department of Zoology, School of Studies of Life Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the B. Sc. scheme and syllabi.

The following members were present in the meeting:

1. Prof. Shivkant Kumar Prasad (External Expert Member BoS, Dept. of Biosciences., Pandit Ravishankar Shukla University).
3. Prof. LVKS Bhaskar (HOD, Dept. of Zoology.-cum Chairman, BOS)
4. Dr. Rohit Seth (Member BoS, Associate Professor, Dept. of Zoology)
5. Dr. Sushant Kumar Verma (Member, Assistant Professor, Dept. of Zoology)

The committee discussed and approved the scheme and syllabi. (I to VI semester):

1. As per UGC, CBCS guidelines, University/departments have liberty to offer GE and SEC courses offered by any department to students of other departments.
2. The number of GE course if four. One GE course is compulsory in first four semesters each.
3. In present scheme it is proposed to have minimum two GE courses (From one subject) in first two semesters after which students shall change two GE for another subject in III and IV semester, so that all the students can have exposure of one additional subject.
4. Dissertation/Project work/Academic visit to be done by students of B.Sc. VI semester, followed by report submission and Viva-Voice/Seminar presentation.

  
निष्ठासभा  
HEAD  
संस्कृत विभाग विद्यालय  
Department of Zoology  
गुरु घासीदास वि. वि., बिलासपुर  
Guru Ghasidas Vishwavidyalaya, Bilaspur

Signature & Seal of HoD

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.)

**Scheme**

## Scheme and Syllabus

For

**B.Sc. Honours Zoology**

Under

**Choice Based Credit System (CBCS)**

**Applicable from Session 2020-2021 to onwards**

**Department of Zoology**

**School of Life Sciences**

**Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)**

*SK Dhasal*

*Shukla*

*SK Sharma*

*Rana*



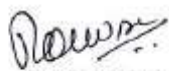
SEMESTER VI						
Core Course-13 Theory	LS/ZOO/CC-601 L	Developmental Biology	4	4	30 (15+15)	70
Core Course-13 Practical	LS/ZOO/CC-601 P	Lab Course	2	4	30 (15+15)	70
Core Course-14 Theory	LS/ZOO/CC-602 L	Evolutionary Biology	4	4	30 (15+15)	70
Core Course-14 Practical	LS/ZOO/CC-602 P	Lab Course	2	4	30 (15+15)	70
Discipline Specific Elective-3 Theory	LS/ZOO/DSE-601(A) L	A. Endocrinology	4	4	30 (15+15)	70
	LS/ZOO/DSE-601(B) L	B. Fish and Fisheries				
Discipline Specific Elective-3 Practical	LS/ZOO/DSE-601(A) P	Lab Course A	2	4	30 (15+15)	70
	LS/ZOO/DSE-601(B) P	Lab Course B				
Dissertation/ Project work / Academic Visit followed by report submission and seminar	LS/ZOO/DW/PW/AV		5+1=6	8	30 (15+15)	70
<b>TOTAL</b>			<b>24</b>	<b>32</b>		
<b>TOTAL CREDITS</b>				<b>152 + 4 (SI)</b>		

As per UGC CBCS guidelines, University / departments have liberty to offer GE and SEC courses offered by any department to students of other departments. The No. of GE course is four. One GE course is compulsory in first 4 semesters each. In present scheme it is proposed to have minimum two GE courses (from one subject) in first two semester after which student shall change two GE for another subject in III<sup>rd</sup> and IV<sup>th</sup> semester, so that all the student can have exposure of one additional subject.

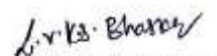
**(Subject to approval by the competent authority)**

\*These two courses will be offered to students depending upon the availability and commencement in the respective semester in MOOCS and syllabus of MOOCS will be followed. In case of unavailability of these two courses, the same will be taught as usual DSE courses.

  
Prof. S K Prasad  
(External Expert)

  
Dr. Rohit Seth  
(Member)

  
Dr. S K Verma  
(Member)

  
Prof. LVKS Bhaskar  
(HOD)



**Department:** Department of Zoology

**Academic Year:** 2022-2023

Sr.no	Program code	Program name
1	118	B.Sc.

Following students have carried out their project work/ Internship/ Field project/ Industrial training for the academic session 2022-23.

Sr. No.	Enrolment Number	Roll Number	Name of the Students	Page no. of certificates
1	GGV/20/03301	20204001	Aakriti Tiwari	04-06
2	GGV/20/03302	20204002	Aanchal Sharma	
3	GGV/20/03303	20204003	Aastha Patel	
4	GGV/20/03306	20204005	Abhishek Sharma	
5	GGV/20/03307	20204006	Akash Singh Thakur	
6	GGV/20/03308	20204007	Akshada Tilwankar	
7	GGV/20/03310	20204008	Alka Patel	
8	GGV/20/03311	20204009	Anjali Patel	07-09
9	GGV/20/03313	20204011	Ayushi Verma	
10	GGV/20/03314	20204012	Chetana Patel	
11	GGV/20/03315	20204013	Garima Patel	
12	GGV/20/03316	20204014	Gautam Kumar Chouhan	
13	GGV/20/03317	20204015	Hariti Simran Bara	
14	GGV/20/03319	20204016	Himanshu Thakur	
15	GGV/20/03320	20204017	Jiteshwar Sahu	
16	GGV/20/03321	20204018	Kajal Bandhe	
17	GGV/20/03322	20204019	Kalyani Patel	
18	GGV/20/03323	20204020	Kanika Lahare	
19	GGV/20/03324	20204021	Ku. Prabha Sonwani	
20	GGV/20/03325	20204022	Laxmi Sao	



21	GGV/20/03326	20204023	Leenu Baghel	
22	GGV/20/03327	20204024	Mahima Kushwaha	10-12
23	GGV/20/03328	20204025	Muskan Gupta	
24	GGV/20/03329	20204026	Nandini Kurrey	
25	GGV/20/03330	20204027	Nandita Nishad	
26	GGV/20/03331	20204028	Neha Katlam	
27	GGV/20/03332	20204029	Neha Patel	
28	GGV/20/03334	20204030	Niharika Gilhare	
29	GGV/20/03335	20204031	Niharika Patel	
30	GGV/20/03336	20204032	Nikhil Pradhan	
31	GGV/20/03337	20204033	Nikita Rathore	
32	GGV/20/03338	20204034	Nishant Nikhil	
33	GGV/20/03340	20204037	Parshatee Koram	
34	GGV/20/03341	20204038	Parwati Nayak	
35	GGV/20/03342	20204039	Prachi Nayak	
36	GGV/20/03343	20204040	Pragya Singh Rajput	13-15
37	GGV/20/03346	20204041	Priyanka Patel	
38	GGV/20/03347	20204042	Priyanshu Pandey	
39	GGV/20/03348	20204043	Purnima Painkra	
40	GGV/20/03349	20204044	Rashmi Dewangan	
41	GGV/20/03350	20204045	Richa Rathour	
42	GGV/20/03353	20204047	Rubin Sahu	
43	GGV/20/03354	20204048	Sachin Patel	16-18
44	GGV/20/03355	20204049	Sajan Tiwari	
45	GGV/20/03356	20204050	Sakshi Kulmitra	
46	GGV/20/03357	20204051	Samiksha Gupta	
47	GGV/20/03358	20204052	Sanjeeta Ekka	



48	GGV/20/03359	20204053	Santoshi Kashyap	
49	GGV/20/03360	20204054	Saurabh Chauhan	
50	GGV/20/03361	20204055	Shakinah Glory Kujur	19-21
51	GGV/20/03362	20204056	Shreya Bhardwaj	
52	GGV/20/03363	20204057	Smriti Porte	
53	GGV/20/03364	20204058	Soniya Chauhan	
54	GGV/20/03365	20204059	Soniya Shriwas	
55	GGV/20/03367	20204060	Sudha Sahu	
56	GGV/20/03368	20204061	Sujata Mishra	
57	GGV/20/03369	20204062	Suman Rathore	22-24
58	GGV/20/03371	20204063	Tarun Chauhan	
59	GGV/20/03373	20204064	Twinkle Yadav	
60	GGV/20/03374	20204065	Vaibhav Gupta	
61	GGV/20/03375	20204066	Vasundhara Patel	
62	GGV/20/03376	20204067	Vijay Patel	
63	GGV/20/03379	20204069	Kulbir Singh	

*A. V. B. Bhasco*

विश्वविद्यालय  
HEAD  
संयुक्त शोध विभाग  
Department of Zoology  
गुरु घासीदास विश्वविद्यालय, बिलासपुर  
Guru Ghasidas Vishwavidyalaya, Bilaspur

Signature

Head of the Department



**A study on habitat, general features & behavior of the  
Great White Pelican (*Pelecanus onocrotalus*) during  
academic visit of Kanan Pendari Zoological Garden,  
Bilaspur, C.G.**

**A report submitted  
In partial fulfillment for degree of  
B.Sc. (H) in ZOOLOGY**

**Under the Supervision of –**

**Prof. Seema Rai  
DEPARTMENT OF ZOOLOGY  
GGV**

**Submitted by-**

**AAKRITI TIWARI (20204001)  
AANCHAL SHARMA (20204002)  
AASTHA PATEL (20204003)  
ABHISHEK SHARMA (20204005)  
AKASH SINGH THAKUR (20204006)  
AKSHADA TILWANKAR (20204007)  
ALKA PATEL (20204008)**

**DEPARTMENT OF ZOOLOGY  
GURU GHASIDAS VISHWAVIDYALAYA  
(A Central University)  
Koni, Bilaspur (C.G.)**

**2023**

*Alka Patel*  
ANAPRANJAN  
HEAD  
and In-charge  
Department of Zoology  
Guru Ghasidas Vishwavidyalaya, Bilaspur  
Guru Ghasidas Vishwavidyalaya, Bilaspur



**DEPARTMENT OF ZOOLOGY**  
**GURU GHASIDAS VISHWAVIDYALAYA**  
**BILASPUR, C.G.**

**CERTIFICATE**

This is to certify that Aakriti Tiwari, Aanchal Sharma, Aastha Patel, Abhishek Sharma, Akash Singh Thakur, Akshada Tilwankar and Alka Patel have submitted a tour report for B.Sc. (Zoology) degree entitled "A study on habitat, general features & behavior of the Great White Pelican (*Pelecanus onocrotalus*) during academic visit of Kanan Pendari Zoological Garden, Bilaspur, C.G." under my supervision and this report has not been submitted for the award of any other degree.

Signature of supervisor

Forwarded

Date: 11.08.2023.

Place: Bilaspur

**Head of the Department**

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



# CONTENTS

**1.INTRODUCTION**

**2.GENERAL CHARACTERS**

**3.FEEDING HABIT AND PATTERN**

**4. REPRODUCTION AND COURTSHIP RITUALS**

**5.MIGRATION**

**6.RELIGION, MYTHOLOGY AND MODERN USAGE**

**6. THREATS AND CONSERVATION**

**7. FASCINATING FEATURES**

**8. CONCLUSION**

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



**ACADEMIC VISIT OF KANAN PENDARI - ZOOLOGICAL PARK**  
**STUDY ON *PAVO CRISTATUS* (INDIAN PEACOCK)**



**A Tour Report**  
**Submitted in partial fulfilment for the degree of**  
**B.Sc. in Zoology**

**Submitted by**

**ANJALI PATEL(2020409)**  
**AYUSHI VERMA(20204011)**  
**CHETANA PATEL(20204012)**  
**GARIMA PATEL(20204013)**  
**GAUTAM KUMAR(20204014)**  
**HARITI SIMRAN BARA(20204015)**  
**HIMANSHU THAKUR(20204016)**

**Supervised by**

**Prof. LVKS BHASKAR**

**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**  
**Department of Zoology**



(A central university established by central university Act 2009 No. 25 of 2009)

**CERTIFICATE**

This is to certify that **Anjali Patel, Ayushi Verma, Chetana Patel, Garima Patel, Gautam Kumar, Hariti Simran Bara and Himanshu Thakur** have submitted a tour report for B.Sc. (Zoology) degree entitled "**ACADEMIC VISIT OF KANAN PENDARI – ZOOLOGICAL PARK: A STUDY ON PAVO CRISTATUS (INDIAN PEACOCK)**" under my supervision and this report has not been submitted for the award of any other degree.

*Dr. V. K. Bhasra*

Signature of supervisor

Forwarded

Date: 10/08/2023

Place: Bilaspur

*Dr. V. K. Bhasra*

**Head of the Department**

**विभागाध्यक्ष  
HEAD**

**जन्तु विज्ञान विभाग**

**Department of Zoology**

**गुरु घासीदास वि.वि., बिलासपुर**

**Guru Ghansidas Vishwavidyalaya Bilaspur**

# CONTENTS

- STUDY AREA
- INTRODUCTION
- MORPHOLOGY
- HABITAT AND DISTRIBUTION
- FEEDING HABIT
- BEHAVIOUR
- REPRODUCTION
- ECOSYSTEM ROLES
- ECONOMIC IMPORTANCE FOR HUMANS :  
POSITIVE AND NEGATIVE
- CONSERVATION STATUS
- REFERENCES

*Dr. K. K. K. K.*  
HONORABLE  
MEMBER  
WEST BENGAL STATE  
DEPARTMENT OF SCIENCE  
AND TECHNOLOGY, GOVERNMENT  
OF WEST BENGAL, KOLKATA

**ACADEMIC VISIT OF KANAN PENDARI ZOOLOGICAL PARK,  
BILASPUR (CG): A STUDY ON “*MOSCHIOLA MEMINNA*” (MOUSE  
DEER)**



**A TOUR REPORT  
SUBMITTED IN PARTIAL FULFILLMENT  
FOR THE DEGREE OF  
BACHELOR OF SCIENCE  
IN  
ZOOLOGY**

**SUBMITTED BY:**

**MAHIMA KUSHWAHA -20204024  
MUSKAN GUPTA -20204025  
NANDINI KURREY-20204026  
NANDITA NISHAD-20204027  
NEHA KATLAM -20204028  
NEHA PATEL-20204029  
NIHARIKA GILHARE-20204030**

**GUIDED BY:**

**DR. SUSHANT KU. VERMA SIR  
(ASSISTANT PROFESSOR)  
DEPARTMENT OF ZOOLOGY**



**DEPARTMENT OF ZOOLOGY  
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (CG)**

**SESSION 2022-2023**

गुरु घासीदास विश्वविद्यालय  
बिलासपुर (छ.ग.)  
(केन्द्रीय विश्वविद्यालय)  
कोण, बिलासपुर-495009 (छ.ग.)  
दूरभाष : 07752-260036, फैक्स -07752-260154  
वेबसाइट : www.ggu.ac.in



GURU GHASIDAS VISHWAVIDYALAYA  
BILASPUR (C.G.)  
(A Central University)  
Koni, Bilaspur-495009 (C.G.)  
Phone: 07752-260036, Fax : 07752-260154  
Website : www.ggu.ac.in

### CERTIFICATE

This is to certify that MAHIMA KUSHWAHA, MUSKAN GUPTA, NANDINI KURREY, NANDITA NISHAD , NEHA KATLAM , NEHA PATEL , NIHARIKA GILHARE have submitted a tour report for B.Sc. (Zoology) degree entitled "ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK, BILASPUR (CG) : A STUDY ON *MOSCHIOLA MEMINNA* (MOUSE DEER)" under my supervision and this report has not been submitted for the award of any other degree.

*S.K. Mishra*

SIGNATURE OF SUPERVISOR

DATE: 10/08/2023

PLACE: BILASPUR

FORWARDED

*S.V. Bhanu*

HEAD OF THE DEPARTMENT

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

## CONTENTS

S.NO.	TOPICS	PAGE NO.
1.	STUDY AREA	6
2.	INTRODUCTION	7
3.	GEOGRAPHIC RANGE	9
4.	HABITAT	9
5.	PHYSICAL DESCRIPTION	10
6.	REPRODUCTION	10
7.	LIFESPAN/LONGEVITY	12
8.	BEHAVIOUR	12
9.	COMMUNICATION AND PERCEPTION	13
10.	FOOD HABITS	14
11.	PREDATION	14
12.	ECOSYSTEM ROLES	15
13.	ECONOMIC IMPORTANCE FOR HUMANS: POSITIVE	15
14.	ECONOMIC IMPORTANCE FOR HUMANS: NEGATIVE	16
15.	CONSERVATION STATUS	16
16.	CONCLUSION	16
17.	REFRENCE	17

*Dr. V. K. Sharma*  
REVISION  
 ROAD  
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 Department of Zoology  
 University of Delhi, New Delhi  
 India. Telephone: 26100000000. Fax: 26100000000

# GURU GHASIDAS VISHWAVIDYALAYA

## BILASPUR, CHHATTISGARH



### DEPARTMENT OF ZOOLOGY

B.Sc. ZOOLOGY (HONOURS)  
**BATCH 2020 - 2023**

ACADEMIC VISIT OF THE KANAN PENDARI ZOOLOGICAL GARDEN, BILASPUR (C.G.)

A STUDY ON "*Dromais novaehollandiae*" (Emu)



Under the Supervision of  
**Dr. Manish Kumar Tripathi**

Submitted By:

20204040	PRAGYA SINGH RAJPUT
20204041	PRIYANKA PATEL
20204042	PRIYANSHU PANDEY
20204043	PURNIMA PAINKARA
20204044	RASHMI DEWANGAN
20204045	RICHA RATHOUR
20204047	RUBIN SAHU

*Manish Kumar Tripathi*  
Manish Kumar Tripathi  
Department of Zoology  
Guru Ghasidas Vishwa Vidyalaya, Bilaspur  
Chhattisgarh, India



# GURU GHASIDAS VISHWAVIDYALAYA BILASPUR, CHHATTISGARH



## CERTIFICATE

This is to certify that **Pragya Singh Rajput, Priyanka Patel, Priyanshu Pandey, Purnima Painkara, Rashmi Dewangan, Richa Rathour and Rubin Sahu** have submitted a project report for B.Sc. Zoology (Hons) degree entitled “**ACADEMIC VISIT OF THE KANAN PENDARI ZOOLOGICAL GARDEN, BILASPUR (C.G.) : A STUDY ON *Dromaius novaehollandiae* (Emu)**” under my supervision and this report has not been submitted for the award of any other degree.

  
10/08/23

Signature of supervisor

Forwarded

Date: 10<sup>th</sup> August, 2023



Head of the Department

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

# TABLE OF CONTENTS

- ◆ ABOUT KANAN PENDARI
  
- ◆ GENERAL CHARACTERISTICS
  
- ◆ GEOGRAPHICAL DISTRIBUTION
  
- ◆ AMAZING FACTS ABOUT EMU AND ECONOMIC IMPORTANCE
  
- ◆ FEEDING BEHAVIOUR AND PATTERN
  
- ◆ REPRODUCTION AND PARENTAL CARE
  
- ◆ CONSERVATION STATUS
  
- ◆ RELATIONSHIP WITH HUMANS – CULTURAL
  
- ◆ REFERENCES

*Handwritten signature*  
KIRAN  
19/04/2020  
Department of Zoology  
University of Jammu, Srinagar  
Jammu, Kashmir, India

# GURU GHASIDAS VISHWAVIDYALAYA



BILASPUR(C.G.)

Session: 2022-23

## DEPARTMENT OF ZOOLOGY

A Project on behavior and characteristic feature of animal

'Antilope cervicapra'

(BLACK BUCK)



UNDER THE SUPERVISION OF – DR. GITA MISHRA

Submitted by: -

Sachin Patel	(20204048)
Sajan Tiwari	(20204049)
Sakshi Kulmitra	(20204050)
Samiksha Gupta	(20204051)
Sanjeeta Ekka	(20204052)
Santoshi Kashyap	(20204053)
Saurabh Chauhan	(20204054)



# Guru Ghasidas Vishwavidyalaya

## Department of Zoology

(A central university by Central University Act 2009 No. 25 of 2009)

### CERTIFICATE

This is to certify that **Sachin Patel, Sajan Tiwari, Sakshi Kulmitra, Samiksha Gupta, Sanjeeta Ekka, Santoshi Kashyap, Saurabh Chauhan** has worked on undergraduate dissertation entitled “Behaviour and Characteristic Feature of Animal *Antelope cervicapra* (Blackbuck)”.

Date:- 10/08/2023

Signature of Supervisor

*Litavishka*

Date:- 11/08/2023

Head of the Departement

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

# CONTENTS:-

➤ <b>Study Area:</b>	<b>1</b>
➤ <b>Introduction:</b>	<b>2</b>
➤ <b>General Characteristics:</b>	<b>3-4</b>
➤ <b>Geographical Distribution:</b>	<b>4-5</b>
➤ <b>Feeding Habits:</b>	<b>6</b>
➤ <b>Reproduction:</b>	<b>7-8</b>
➤ <b>Threats:</b>	<b>9-12</b>
➤ <b>Conservation:</b>	<b>12-14</b>
➤ <b>Religious Association:</b>	<b>14-15</b>
➤ <b>Economic Importance:</b>	<b>15-16</b>
➤ <b>Case Study:</b>	<b>16-17</b>
➤ <b>Conclusion:</b>	<b>17-18</b>
➤ <b>References:</b>	<b>19</b>

*M. V. Khanna*  
HEAD  
Department of Zoology  
Bansal Memorial Institute of Science  
Bansal Group of Institutions, Meerut

Department of Zoology  
Guru Ghasidas Vishwavidyalaya, Bilaspur

A Central University established by the Central Universities Act 2009 No. 25 of 2009



Academic visit of Kanan pendari Zoological Garden



Topic- A Project report on Indian Cobra

**Submitted by:-**

Shakinah Glory Kujur- 20204055

Shreya Bhardwaj- 20204056

Smriti Porte-20204057

Soniya Chauhan-20204058

Soniya Shriwas-20204059

Sudha Sahu- 20204060

Sujata Mishra-20204061

**Supervised by:-**

Dr. Naresh Chandra Agrawal  
( Assistant professor )

*Dr. Naresh Chandra Agrawal*  
Assistant Professor  
Department of Zoology  
Guru Ghasidas Vishwavidyalaya, Bilaspur

**Department of Zoology**  
**GURU GHASIDAS VISHWAVIDYALAYA**  
**BILASPUR, CHHATTISGARH**



**CERTIFICATE**

This is to certify that **Shakinah Glory Kujur, Shreya Bhardwaj, Smriti Porte, Soniya Chauhan, Soniya Shriwas, Sudha Sahu and Sujata Mishra** have submitted a project report for B.Sc. Zoology (Hons) degree entitled “**ACADEMIC VISIT OF THE KANAN PENDARI ZOOLOGICAL GARDEN, BILASPUR (C.G.) : 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: 10<sup>th</sup> August, 2023**

**Head of the Department**

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# CONTENTS

- ABOUT KANAN PENDARI ZOO
- INTRODUCTION
- MORPHOLOGY
- DISTRIBUTION AND HABITAT
- FEEDING BEHAVIOUR
- REPRODUCTION
- PARENTAL CARE
- PECULIAR CHARACTERISTICS
- CONSERVATION STATUS
- INTERACTION WITH HUMAN AND ENVIRONMENT
- REFERENCES
- CONCLUSION





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



**A Tour Report**

**Submitted in partial fulfillment for the degree of**

**B.Sc. in Zoology**

**Submitted by**

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**TARUN CHAUHAN (20204063)**

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(A central university established by central university Act 2009 No. 25 of 2009)

**CERTIFICATE**

This is to certify that **Suman, Tarun, Twinkle, Vaibhav, Vasundhara, Vijay and Kulbir** have submitted a tour report for B.Sc. (Zoology) degree entitled **“ACADEMIC VISIT TO KANAN PENDARI ZOOLOGICAL PARK: A STUDY ON WHITE TIGER”** under my supervision and guidance. This report has not been submitted for the award of any other degree.

**Signature of supervisor**

**Forwarded**

**Date: 10<sup>th</sup> August, 2023**

**Head of the Department**

**Place: Bilaspur**

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# CONTENTS

- Study Area
- Introduction
- General Characters
- Geographical Distribution
- Habitat
- Role in Ecosystem
- Feeding Habits, Behaviour and Pattern
- Hunting Methods
- Mating and Breeding
- Parental Care
- Reproduction and Life Cycle
- Threat and Present status of animal
- Conservation
- Economic Importance
- What we liked most in the animal
- Conclusion

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