

# WELCOME TO DEPARTMENT OF ZOOLOGY

Estd. 2000



**BANKI COLLEGE (AUTONOMOUS), BANKI**

# Overview

- Vision & Mission of the Department
- Department Profile and Highlights /Achievements of the Department
- Curricular Aspects
- Teaching-Learning
- Student Support and Progression
- Infrastructure and Learning Resources
- Institutional Values and Best Practices

# Vision

To impart fundamental knowledge of animal science as well as inculcate morality

# Mission

- **Provide Quality Education:** To offer comprehensive undergraduate and postgraduate programs that emphasize both theoretical knowledge and practical skills in zoology.
- **Promote Research and Innovation:** To encourage research activities that address contemporary challenges in zoology, such as species conservation, environmental sustainability, and ecological balance.
- **Develop Critical Thinking:** To nurture critical thinking and analytical skills in students, enabling them to tackle complex biological issues and contribute to scientific advancements.
- **Engage in Community Outreach:** To engage with the community through extension activities, workshops, and awareness programs that promote the understanding and importance of zoological sciences.
- **Foster Ethical and Sustainable Practices:** To instill ethical values and a commitment to sustainable practices in the study and application of zoological sciences.

# INTRODUCTION

- Year of Establishment: **1969 , 2013** (Honours) , 2021 (Postgraduate)
- Board of Classification of Stream: **Biological Science**
- Programmes offered: Under Graduate (UG) B.Sc. **Zoology**  
Postgraduate (PG) M.sc **Zoology**  
Affiliated to Utkal University, Bhubaneswar, Odisha
- State Model Syllabus for UG and PG Course in Zoology: **Choice Based Credit System (CBCS)**
- Duration of the Course: **3 Years(UG) , 2 Years(PG)**
- Interdisciplinary courses Department involved:  
**Environmental Studies, Ethics & Values & Generic Elective Zoology**

# Student & Staff

## Student Sanction Strength:

UG=                      PG=32

No. of Students enrolled:

UG= 45                      PG=16

## Teacher-Student Ratio:

**1: 15**

Sl. No.	Position	No.
01	Faculty	03
02	Support staff	02
03	Attendant	01

# Members of Zoology Department

Name	Designation	Qualification	Experience	Photo
Mr. Niranjan Routray	Reader in Zoology	M.Sc., M.Phil.	34 Years	
Dr. Sashi Bhusan Mohapatra	Reader in Zoology	M.Sc., M.Phil., Ph.D, LLB	32 Years	
Mr. Shyamlal Bhue	Lecturer in Zoology	M.Sc., M.Tech, CSIR- NET/JRF , GATE	2 Years	

# Members of Zoology Department

Name	Designation	Qualification	Experience	Photo
Mr. Manoj Kumar Mohapatra	Rtd. Reader in Zoology (PG Guest Faculty)	M.Sc., M.Phil.	34 Years	
Mr. Kumuda Ranjan Moharana	Demonstrator	B.Sc. M.A. LLB	32 Years	
Mr. Rakesh Mohapatra	Attendant			

# Faculty Research Details

Name	Research Id	No. of Research Publications/ Books/ Patent	No. of Refresher/FDP No. of Seminar/ Conferences/ Workshops attended	Research Experiences	Awards/ Recognitions
Mr. Niranjan Routray					
Dr.Sashi Bhushan Mohapatra		Publication: 04 Books: 09 h-index :05 I10 index:	Seminar: 25 Editors in journals:	18 Years	11
Sri Shyamlal Bhue	Web of Science Id: <a href="https://doi.org/10.1155/2022/9141202">HGT-9141-2022</a> ORCHID Id: <a href="https://orcid.org/0000-0002-8840-6317">https://orcid.org/0000-0002-8840-6317</a> Google Scholar	Web of Science/Scopus: 02 <b>h-index: 03</b> <b>I10 index: 00</b>	Attended:03	2 Years	



# Infrastructure and Learning Resources

•Working Area:	3000 sq. ft.
•Ref. Books :	701
•Preparation and collection of PPTs' :	05
•No. of Computer :	02
•No Smart Classroom:	01
•Classroom:	02
• Laboratory:	03
•Museum : 01 (With specimen, invertebrate and vertebrate)	

# Infrastructure and Learning Resources

Sl. No	Name Of Equipment	Quantity
01	Microphotography Digital Microscope	01
02	Stereo Microscope	01
03	slide projector	01
04	Compound microscope	20
05	Dissecting microscope	10
06	Colorimeter	01
07	Camera with adaptor	01

Sl. No.	Name Of Equipment	Quantity
08	Binocular	01
09	Oven	01
10	BOD Incubator	01
11	Haemometer	02
12	Microtome	01
13	Heating water bath	01
14	pH. Meter	01
15	Gel electrophoresis	01

# Teaching and learning Evaluation

- 1) **Chalk and Talk**
- 2) **Interactive Classes**
- 3) **Project work:** Every student of B.Sc. III has to write a project on various aspects of **human health, biodiversity and ecology.**
- 4) **Students Seminar**
- 5) **Quiz**
- 6) **Poster Presentations:**
- 7). **Field visits**

# Teaching Method



STUDENT CENTRIC  
INTERACTIVE TEACHING  
LEARNING



BLENDED MODE OF  
TEACHING METHODS



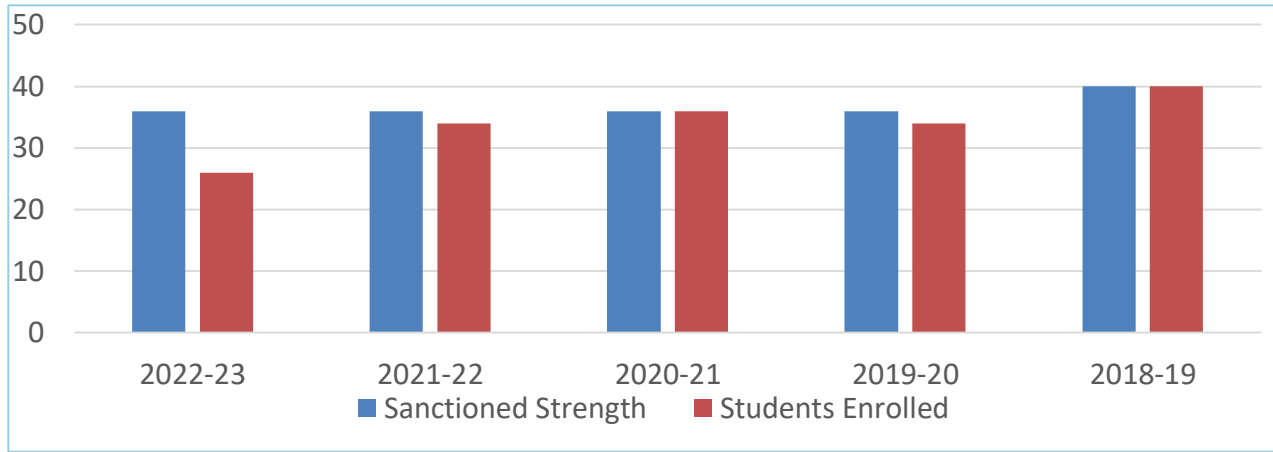
STUDENT  
SEMINARS/QUIZZES



EXPERIENTIAL LEARNING  
(EDUCATIONAL  
TOUR/FIELD VISIT)

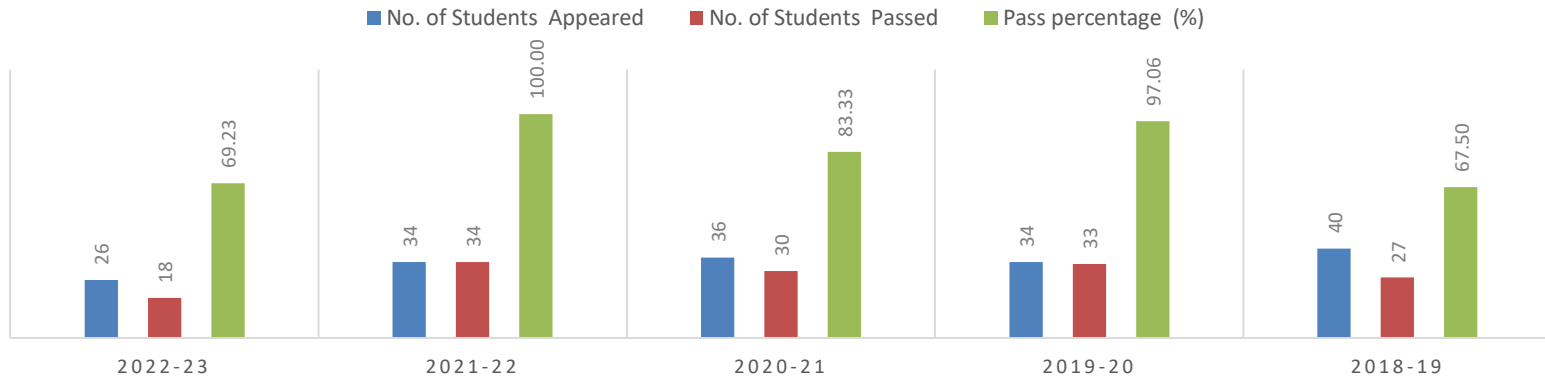
# Student Profile

Academic Session	Sanctioned Strength	Students Enrolled
2022-23	36	26
2021-22	36	34
2020-21	36	36
2019-20	36	34
2018-19	40(+10%)	40



# Result Analysis of Last Five Years

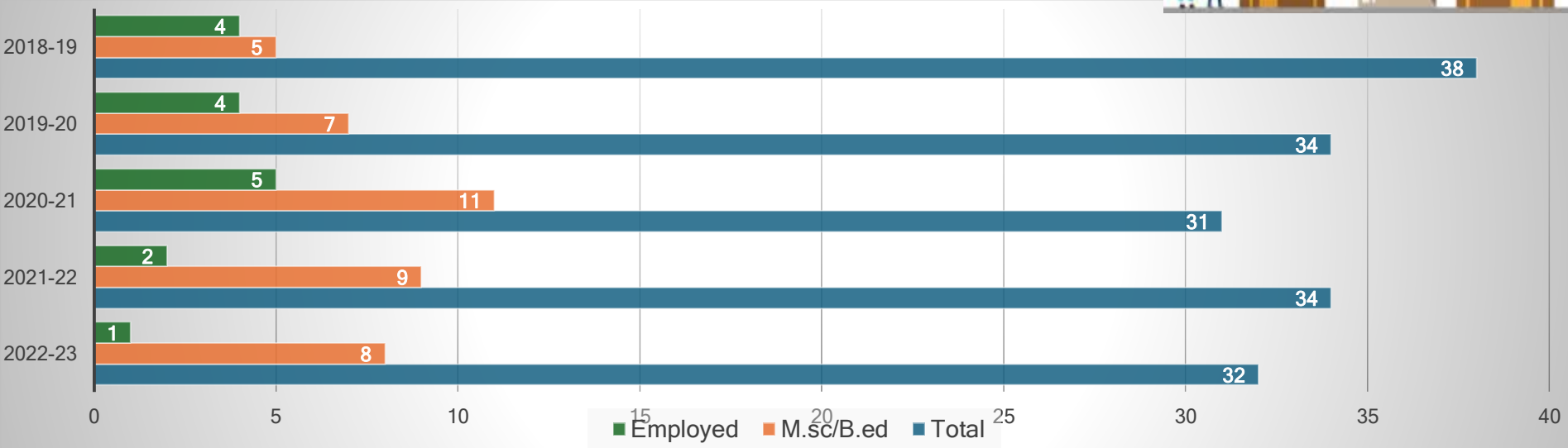
Year	No. of Students Appeared	No. of Students Passed	Pass percentage (%)
2022-23	26	18	69.23
2021-22	34	34	100.00
2020-21	36	30	83.33
2019-20	34	33	97.06
2018-19	40	27	67.50



# Student Progression



Year	Total	M.sc/B.ed	Employed
2022-23	32	08	01
2021-22	34	09	02
2020-21	31	11	05
2019-20	34	07	04
2018-19	38	05	04



## Best Performer of Last Five Years

Year	Name	Hons Mark (%)
2022-23	Debasmita Nayak	84.30
2021-22	Subha Swapna Acharya	87.07
2020-21	Archana Ojha	84.21
2019-20	Saiprava Mohapatra	86.10
2018-19	Omprakash Khanda	84.42



# Students Placement/Job

Session	Student's Name	Nature of Job
2018-19	Ompraksh Khanda	B.Ed Teacher
2018-19	Priyabrata Behera	Constable
2018-19	Arijit Sethy	Primary School Teacher
2019-20	Priyadarshini Sahoo	GDS Postal
2019-20	Anisha Nayak	Police Constable
2019-20	Abhishek Swain	MCA, Mahinda
2019-20	Saiprava Mohapatra	Lecturer in Anthropology
2020-21	Banani Mohapatra	Pharma Company
2020-21	Abhinash Parida	Demonstrator, Banki College
2020-21	Govinda Ch. Mohapatra	Lab. Asst. KIIT Biotechnology
2021-22	Amiya Kumar Behera	Physics wallah Vidhyapeeth
2021-22	Arpita Mishra	GDS Postal

# Beyond Syllabus Scholarly Activities of the Department



Student Seminar



Student Participation in Outreach Programme



Field/Industry/Research Laboratory Visit



Student Participation in Science Project Exhibition



Poster presentation in various events

## Student Enrichment Programmes

<b>Season</b>	<b>Seminars/ Webinars/ Invited Lectures</b>	<b>No.</b>
2018-2023	Seminar	02
	Webinar/ Invited Lecture	02
	Student Seminar	UG:05, PG:02
Total		11

# Departmental Seminar



## ବାଙ୍କୀ କଲେଜରେ ଆଲୋଚନାଚକ୍ର

ବାଙ୍କୀ, ୨୬।୮ (ନି.ପ୍ର): ବାଙ୍କୀ ସଙ୍ଘଶାସିତ ମହାବିଦ୍ୟାଳୟର ସ୍ଵାଚ୍ଛାବେଶର ପ୍ରାଣାବିଜ୍ଞାନ ବିଭାଗ ଆନୁକୂଲ୍ୟରେ ଜୀବଚକ୍ରମାନଙ୍କ ଚାଲିଚଳଣ ଓ ବ୍ୟବହାର ସମ୍ପର୍କରେ ଏକ ଆଲୋଚନା ଚକ୍ର ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । ଏହି ଆଲୋଚନା ଚକ୍ରରେ ବିଭାଗୀୟ ମୁଖ୍ୟ ପ୍ରାଧ୍ୟାପକ ମନୋଜ କୁମାର ମହାପାତ୍ର ଯୋଚନା କରି ପୃଷ୍ଠା ଚକ୍ଷର ବହୁ ପ୍ରକାରର ପଶୁପକ୍ଷୀ ବାସ କରନ୍ତି । ସମସ୍ତଙ୍କର ଭିନ୍ନ ପ୍ରକାରର ଚାଲିଚଳଣ ଓ ବ୍ୟବହାର



ଚଢ଼ିଛି ବୋଲି ପ୍ରାଧ୍ୟାପକ ମହାପାତ୍ର ଉଲ୍ଲେଖ କରିଥିଲେ । ମୁଖ୍ୟଅତିଥି ଭାବେ ପୁରୀ ସାମନ୍ତ ଚନ୍ଦ୍ରଶେଖର ମହାବିଦ୍ୟାଳୟର ସହକାରୀ ପ୍ରଫେସର ଡଃ. ଦେବଦାସ ସାହୁ ବିଭିନ୍ନ ଜୀବଚକ୍ରମାନଙ୍କର ଚାଲିଚଳଣ ଏବଂ ସେମାନଙ୍କର ପ୍ରକୃତି ସହ ବାସସ୍ଥାନ ସମ୍ପର୍କରେ ବିଭିନ୍ନ ଚର୍ଚ୍ଚା ଉପସ୍ଥାପନ କରିଥିଲେ । ସମ୍ମାନିତ ଅତିଥି ଭାବରେ ପ୍ରାଧ୍ୟାପକ ନିରଞ୍ଜନ ରାଉତରାୟ, ଅଧ୍ୟାପକ ଶ୍ୟାମଲାଲ୍ ଗୋଏ ଓ କୁମୁଦ ଚକ୍ର ମହାରଣା ପ୍ରମୁଖ ଯୋଗଦାନ କରିଥିଲେ । ଅଭିନୀତ ପରିତ୍ରା ଧନ୍ୟବାଦ ଅର୍ପଣ କରିଥିଲେ ।



# SWOC Analysis

## **Strengths.**

- Demand of the subject
- Students equipped with scientific temperament and ethics
- Active participation of students in departmental activities

## **Weakness**

- Lack of Full strength permanent faculty
- Inadequate space, in terms of laboratory and smart classroom

## **Opportunities**

- Small research or projects are undertaken by the students
- All the students are adequately trained to pursue their higher studies

## **Challenges**

- To seed the research spirit among the students
- Increase the rate of student progression in higher studies and employment

# Future Plans of the Department

- Reshaping Laboratory with advance facilities.
- Virtual laboratory for understanding the system of animals.
- Processing towards attaining academic excellence.
- An Interdisciplinary Centre on par with National Research Institutions in the field Ecology, Verm technology, Biotechnology etc.
- To conduct workshop on modern techniques.
- To submit proposals for minor and major projects to DBT, CSIR, UGC, ICMR etc.
- To sensitize the students towards the society by organizing frequent outreach programs.