

# WELCOME TO DEPARTMENT OF BIOTECHNOLOGY

Estd. 2008

**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
- Research, Innovations and Extension
- Infrastructure and Learning Resources
- Institutional Values and Best Practices

# Vision

To provide fundamental knowledge of Biotechnology.

# Mission

- To facilitate students with knowledge of basic biological sciences.
- To understand technological advancement and their application in the field of Bioscience.
- To develop research and practical temperament among students.
- To develop skill among students so that they can become entrepreneurs and contribute to the nation building .

# INTRODUCTION

- Year of Establishment: **2008** (Honours)
- Board of Classification of Stream: **Biological Science**
- Programmes offered: Under Graduate (UG) B.Sc. **Biotechnology**  
Affiliated to Utkal University, Bhubaneswar, Odisha
- State Model Syllabus for Course in Biotechnology : **Choice Based Credit System (CBCS)**
- Duration of the Course: **3 Years(UG)**
- Interdisciplinary courses Department involved: **Biotechnology**  
**Environmental Studies, Ethics & Values & Generic Elective Zoology/Botany/ Chem./Comp. Sc.**

Student &  
Staff

**Student Sanction Strength:**

UG=16

No. of Students enrolled:




UG= 16 (Last 3 year)

**Teacher-Student Ratio:**

**>1: 15**

<b>Sl. No.</b>	<b>Position</b>	<b>No.</b>
01	Faculty	03
02	Support staff	00
03	Attendant	00

# Members of Zoology Department

Name	Designation	Qualification & specialization	Experience	Photo
Mr. Muktipada Panda (Head I/C)	Lecturer in Botany	MSc., M.Phil. NET (CSIR, ARS)	Teaching: 7 Years Research: 3 Years	
Mr. Shyamlal Bhue	Lecturer in Zoology	MSc.,	Teaching: 2 years	
Miss Sonali Dash	Lecturer in Biotechnology	MSc.	Teaching: 1 year	

# 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. Muktipada Panda	Web of Science ResearcherID: KYP-5925-2024 <a href="https://orcid.org/0000-0001-8311-5679">https://orcid.org/0000-0001-8311-5679</a>	Web of Science/Scopus: 05 Citation: 110 h-index: 5 I10 index: 5	04	3 years	
Sri Shyamlal Bhue	<a href="https://scopus.com/authid/detail.uri?authorId=57915343700">Scopus Author ID: 57915343700</a> <a href="https://orcid.org/0000-0002-8840-6317">https://orcid.org/0000-0002-8840-6317</a>	Citation:09 H-index:02	02	2 Years	-
	-			-	-

# Infrastructure and learning Resources

•Working Area  
: 250 sq.fts.

•Ref. Books :  
200

•No. of journals  
: 00

•Preparation and collection of PPTs' : 10

•Video lecture  
: 00

## Major equipments

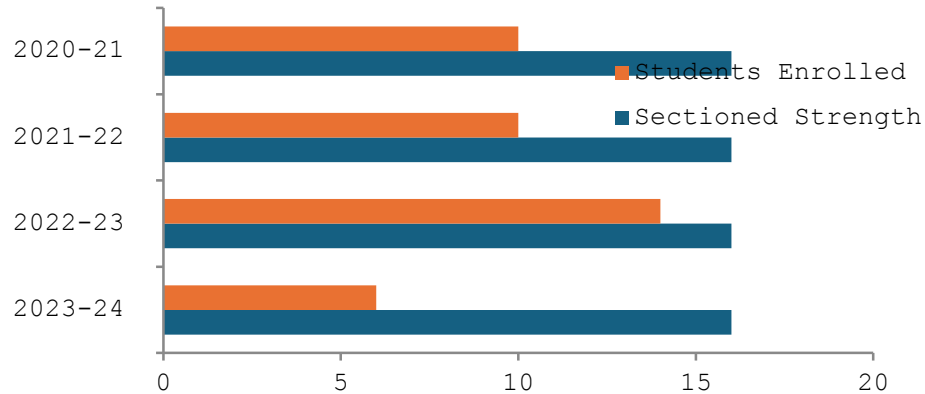
Microscope	02
Water bath	01
Hot air Oven	01
Incubator	01
Ganongs potometer	01
T/A apparatus	01
Heating water bath	01
pH Meter	01
Gel electrophoresis	01

Kjeldal digestion unit	01
Conductivity meter	01
Centrifuge	01
Haemometer	01



# Student Profile

Academic Session	Sectioned Strength	Students Enrolled
2023-24	16	06
2022-23	16	14
2021-22	16	10
2020-21	16	10
2019-20	16	



# Teaching and learning Evaluation



## Chalk and Talk



## Interactive Classes



**Project work:** Every student of B.Sc. III has to write a project on various aspects of **human health**, analytical techniques, pollution, genetic engineering, Molecular biology, and **biodiversity**.



## Students Seminar



**Poster Presentations:** Every year we conduct Poster show by the B.Sc. III students.



## Field visits

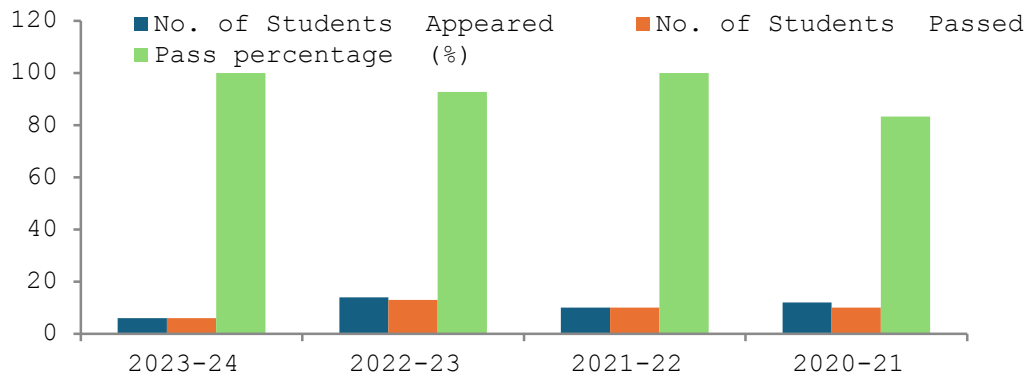


Teaching  
Methods  
Adopted

- Student Centric interactive teaching learning
- Blended Mode of teaching Methods
- Student Seminars
- Experiential Learning (Educational Tour/Field Visit)

# Result Analysis of Last Four Years

Year	No. of Students Appeared	No. of Students Passed	Pass percentage (%)
2023-24	06	06	100
2022-23	14	13	92.85
2021-22	10	10	100
2020-21	12	10	83.33



# Best Performer of Last Five Years

Year	Name	Mark (%)
2023-24	Miss Kalpana Nanda	88.50
2022-23	Sri Asish Kumar Das	82.20
2021-22	Miss Chinmayee Mohapatra	89.10
2020-21	Miss Lipsa Mohapatra	80.84
2019-20		



Kalpana Nanda



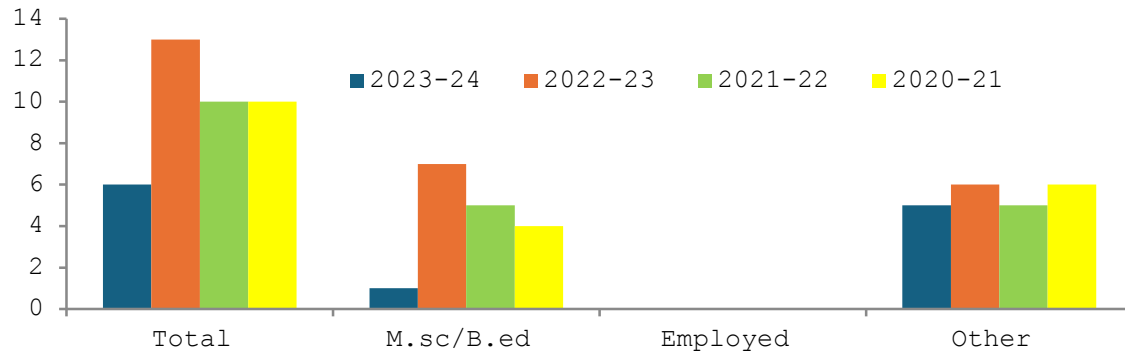
Asish Kumar Das





Chinmayee Mohapatra

# Student Progression

Year	Total	M.sc/B.ed	Employed	Other
2023-24	06	01		05
2022-23	13	07		06
2021-22	10	05		05
2020-21	10	04		06
2019-20				



# Awards and Recognition

Session	Name	Awards	Photo
2022-23	Ashis Ku. Das	<ul style="list-style-type: none"><li>● 2<sup>nd</sup> prize in poster presentation held at SOA University on 20<sup>th</sup> June, 2024.</li></ul>	
2023-24	Seetal Sahu	<ul style="list-style-type: none"><li>● 1<sup>st</sup> prize English debate</li><li>● 1<sup>st</sup> prize English Essay</li><li>● 2<sup>nd</sup> prize Badminton doubles</li></ul> College level, Nua 'O' programme	

# Student Enrichment Programmes

Year	<b>Seminars/ Webinars/ Invited Lectures</b>	No.
2018-19	Seminar	
2020-21	Webinar/ Invited Lecture	
2021-22	Invited Lecture	
2022-23	Invited lecture/Seminar	
Total		



# 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



PLANTATION  
DRIVE

# Welcome and Farewell Ceremony

## Farewell Ceremony



## Welcome Ceremony



# SWOC Analysis

## **Strengths**

- Students from different region of the state enroll the course which help them exchange their culture and in developing good communication.
- 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, laboratory equipments and smart class room

## **Opportunity**

- Small research or projects are undertaken by the students
- Students are encouraged to pursue their higher studies

## **Challenges**

- To develop research interest among the students.
- Increase the rate of student progression in higher studies and employment.

# Future Plans of the Department



Developing research laboratory with advance facilities in the department.



Recruitment of staffs (Teaching and Non-Teaching)



Promoting exposure to national standard research institute like, NRRI, ILS, IMMT, CIFA, etc.



Processing towards attaining academic excellence.



To conduct Seminar/Webinar, etc.



To conduct workshop on analytical techniques.



To sensitize the students towards the society by organizing frequent outreach programs.



THANK

YOU