WELCOME TO DEPARTMENT OF MATHEMATICS
Estd. 1963

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	Mission
To make students research oriented from graduation level and prepare them for lifelong work as mathematicians, statisticians and scientists.	- To enlighten students about real life applications of Mathematics. - To improve students' knowledge and to strengthen the cross-curricular link of mathematics with other subjects. - To develop curiosity of research and scientific temperament among students. - To organise seminars and interactive sessions to improve students' knowledge and interactive skill .

INTRODUCTION

- Year of Establishment: **1963** (Honours)

- Board of Classification of Stream: **Mathematical Science**

- Programmes offered: Under Graduate (UG) B.Sc.**Mathematics**

  Afiliated to Utkal University, Bhubaneswar, Odisha

- State Model Syllabus for UG in Mathematics: **Choice Based Credit System (CBCS)**

- Duration of the Course**: 3 Years(UG)**

- Interdisciplinary courses Department involved:

  Skill Enhancement Compulsory Course(Quantitative and Logical Thinking)

Student & Staff

Student Sanction Strength:
        UG= 32
No. of Students enrolled:
        UG=20

Teacher-Student Ratio:

                    1: 5

Sl. No.	Position	No.
01	Faculty	04
02	Attendant	01

Members of Mathematics Department

Sl. No.	Name	Qualification	Designation	Date of Joining	Photo
1.	Mrs. Gayatri Nayak	M.Sc., M.Phil.	Reader and HOD	12.11.1990	
2.	Dr. Shreekanta Dash	M.Sc., M.Phil., Ph.D., CIT	Lecturer	16.08.1997	
3.	Capt. Gurubari Sahu	M.Sc., M.Phil.	Lecturer	20.08.1997	
4.	Ms. Sagarika Dash	M.Sc.	Lecturer	20.05.2022	

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
Sagarika Dash	NA	NA	5	NA	CSIR-UGC NET, GATE
Dr. Shreekanta Dash		05	253	04 years	Editorial Board Member and Reviewer of National and International Journals

Student Profile

Academic Session	Sactioned Strength	Students appeared
2023-24	32	25
2022-23	32	29
2021-22	34	24
2020-21	34	28
2019-20	32	29
2018-19	32	29

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 application of Mathematics.
4)   Students Seminar
5)   Seminar by external members

Result Analysis of Last Five Years

Year	No. of Students Appeared	No. of Students Passed	Pass percentage (%)
2023-24	28	26	90.90
2022-23	26	23	88.50
2021-22	24	24	100
2020-21	28	25	89.28
2019-20	29	24	82.75

*Make a chart from above data and insert here

Best Performer of Last Five Years

Year	Name	Hons Mark (%)	photo
2023-24	Subhasmita Moharana	92.66	
2022-23	Droupadi Jena (Best Graduate)	89.34	
2021-22	Priyadarsini Swain	87.83	
2020-21	Shradhanjali Biswal	88.14	
2019-20	Madhusmita Chand (Best Graduate) Sarojini Mohapatra	95.64 95.64	

Students in higher studies

Batch	No. of students enrolled in P.G. (Mathematics)	No. of students enrolled in MCA
2016-19	09	00
2017-20	05	01
2018-21	08	02
2019-22	02	04
2020-23	09	02

Student Enrichment Programmes

Year	Seminars/ Webinars/ Invited Lectures	No.
2018-19	_	0
2020-21	_	0
2021-22	_	0
2022-23	_	0
2023-24	Invited lecture (for seminar)	01
	Internal seminars (by students)	04
Total		

Motivation camp for Madhav
Mathematics Competion –
Organised by BJB Autonomous
College, BBSR
Dt-26.11.2022
No. of students attended from
our dept-12

National Mathematics Day celebration dt-22.12.2022

Distrution of gifts to the Quiz competition winner and runner up

Invited lecture talk(With photo)

Topic: Epistemic Uncertainty Based Linear Programming Problem.
Resource person: Dr. Diptiranjan Behera, University of the West Indies, Kingston 7, Jamaica.
Dt: 22.07.2023

State level seminar on "Emerging trends in Mathematical Exploration And Effect On Culture" Organized by BJB Autonomous College, BBSR
Dt: 09.01.2024
no. of students attended of our dept-02

Summer Outreach Programme in
Mathematics 2023
Organized by NISER
no. of students attended from our
dept-03

Summer Outreach Programme in
Mathematics 2024
Organized by NISER
no. of students attended from
our dept-04

Beyond Syllabus Scholarly Activities of the Department

- Student Seminar
- Student Participation in Outreach Programme
- Student Participation in Science Project Exhibition
- Poster presentation in various events

SWOC Analysis

Strengths
- Good communication of the students as the college is situated in the heart of the city
- 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 class room

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.

- Processing towards attaining academic excellence.

- An Interdisciplinary Centre on par with National Research Institutions in the field of Applied Mathematics.

- To conduct workshop on modern techniques.

- To submit proposals for minor and major projects to NBHM, CSIR, UGC, TIFR etc.

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

Thank you