



# **WELCOME TO DEPARTMENT OF CHEMISTRY**

**Estd. 1964**

**BANKI COLLEGE (AUTONOMOUS), BANKI**



# Overview

- Vision, Mission and values 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



## **Our Vision**

**To impart fundamental knowledge of chemical science as well as inculcate morality**



## **Our Mission**

- 1. To facilitate students with knowledge of current advantages in chemistry.**
- 2. To explore chemical applications in the society.**
- 3. To develop research and scientific temperament among students.**



## **Our Values**

- 1. Integrating values in the course of studies by creating holistic education system.**
- 2. Integrating values in extra curricular activities.**
- 3. Fostering universal core values i.e. integrity, discipline, justice**



# INTRODUCTION

- Year of Establishment: **1964** (Honours) , **2023** (Post Graduate)

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

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

Post Graduate (PG) M.sc **Chemistry**

Affiliated to Utkal University, Bhubaneswar, Odisha

- State Model Syllabus for UG and PG Course in Chemistry: **Choice Based Credit System (CBCS)**

- Duration of the Course: **3 Years(UG) , 2 Years(PG)**

- Interdisciplinary courses Department involved:

**Ethics & Values, Industrial chemicals and environment, Polymer Chemistry & Green Chemistry, Bioinorganic & supramolecular chemistry, Bioorganic**

# Student & Staff

## Student Sanction Strength:

UG=50                      PG=16

No. of Students enrolled:





UG= 43                      PG=16

## Teacher-Student Ratio:



**1: 20**

Sl. No.	Position	No.
01	Faculty	05
02	Guest Faculty	02
03	Support staff	03
04	Attendant	02



# Members of Chemistry Department

Name	Designation	Qualification & specialization	Date of joining	Experience	Photos
Mr. Pramod Kumar Panda	Reader, HoD	M.Sc	01/09/1997	27 years	
Miss Seelpa Patnaik	Lecturer	M.Sc, CSIR-NET	04/11/2019	5 years	
Mrs. Subhashree Das	Lecturer	M.Sc. , CSIR NET	20/05/2022	2 years	
Mrs. Sudikshya Lenka	Lecturer	M.Sc, M.Phil, CSIR NET, Ph.D. continuing	20/05/2022	2 years	

# Members of Chemistry Department

Name	Designation	Qualification & specialization	Date of joining	Experience	Photos
Miss Binodini Panda	Lecturer	M.Sc, CSIR NET	02/03/2024	6 months	
Mr. Kishore Chandra Swain	Demonstrator	M.Sc, LLB	30/08/1988	36 years	
Mr. Padarbinda Mohanty	Demonstrator	B.Sc (Hons)	12/02/1998	26 years	
Mr. Bhupati Bhusana Pradhan	Demonstrator	M.SC	09/07/2003	21 years	

# Guest faculties

Name	Qualification & specialization	Date of joining	Experience	Photos
Dr. Nibasini Panda (Retd. Reader)	M.Sc, M.Phil, Ph.D. Specialisation- Physical Chemistry			 A portrait of Dr. Nibasini Panda, a woman with dark hair, wearing a blue and white patterned sari, standing outdoors in a green field.
Ms. Laxmipriya Mishra	M.Sc, M.Phil	07/03/2024	6 months	 A portrait of Ms. Laxmipriya Mishra, a woman with dark hair and glasses, wearing a light-colored top, standing indoors.



# Faculty Research Details

<b>Name</b>	<b>No. of Research Publications/ Books/ Patent</b>	<b>No. of Refresher/FDP No. of Seminar/ Conferences/ Workshops attended</b>	<b>Research Experiences</b>	<b>Awards/Recognitions</b>
Miss. Seelpa Patnaik	-	Refresher Courses-02	Course work	-
Mrs. Subhashree Das	Publications - 03	Seminar - 01	01 year (Project associate)	-
Mrs. Sudikshya Lenka	Publication- 01	Seminar - 02	01 year (Project associate) Ph.D. continuing.	-
Miss. Binodini Panda	-	Workshops-02	-	Smt. Subhadra Devi Memorial Award by Orissa Chemical society.
Ms. Laxmipriya Mishra	-	Seminar - 03	-	

# *Infrastructure and learning Resources*

## **Infrastructure**

- Working Area : 5265 sq.fts.
- Ref. Books : 604
- Video lectures : 37

## **Major equipments**

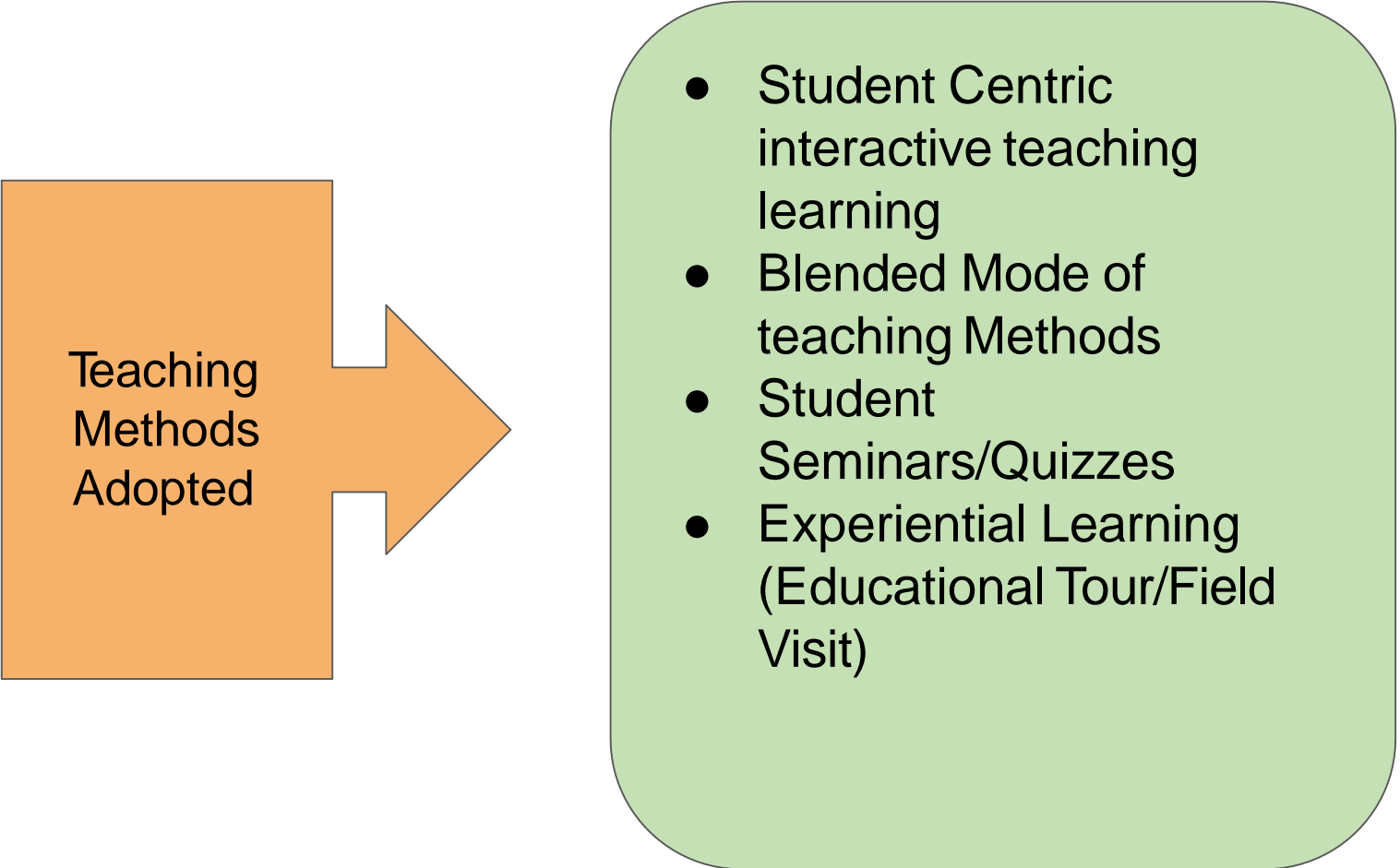
Sl. no	Name of the instrument	Qty.
1.	UV-Visible Spectrophotometer	01
2.	Potentiometer	01
3.	Conductometer	01
4.	Viscometer	30
5.	Stalagmometer	30
6.	Weighing balance	01
7.	Distillation plant	01
8.	Oven	01

# Student Profile

Academic Session	Sactioned Strength	Students Enrolled
2022-23	50	45
2021-22	50	47
2020-21	50	45
2019-20	50	43
2018-19	50	44

# Teaching and learning Evaluation

- 1) **Chalk and Talk**
- 2) **Interactive Classes**
- 3) **Project work:** Students of B.Sc. III has to write a project on various aspects of **chemistry and its applications.**
- 4) **Students Seminar**
- 5) **Online Quiz**
- 6) **Poster Presentations:**  
Every year we conduct Poster show by the B.Sc. III students.
- 7). **Field visits**



Teaching  
Methods  
Adopted

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

# Result Analysis of Last Five Years

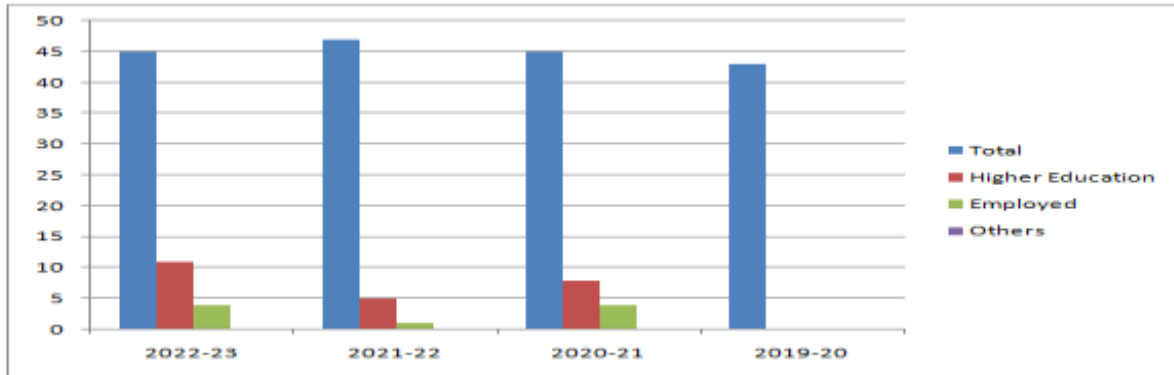
Year	No. of Students Appeared	No. of Students Passed	Pass percentage (%)
2022-23	45	43	95.55
2021-22	47	47	100
2020-21	45	43	95.55
2019-20	43	32	83

## Best Performer of Last Five Years

Year	Name	Hons Mark (%)
2022-23	Sarbeswar Das	9.36 (CGPA)
2021-22	Ankit Kumar Pradhan	96.54
2020-21	Sanghamitra Sahoo	89.21
2019-20	Parvati Moharana	87.9

# Student Progression

Year	Total	Higher Education	Employed	Other
2022-23	45	11	4	
2021-22	47	5	1	
2020-21	45	8	4	
2019-20	43			





# Students Placement/Job

Session	Student's Name	Nature of Job
2022-23	Sarbeswar Das	Airman, Airforce Agniveer
2022-23	Barshapriyadarshini Jena	Lab technician-Chemist, Faecal sludge treatment plant, Meghatota
2022-23	Mihirendra Beura	Branch Post Manager, GDS
2022-23	Satyabrata Gochhi	Sales Person, Pharmacy
2021-22	Atisha Bibhutiray	Management Trainee HR, Mayfair Hotels & Resort

# Students Placement/Job

Session	Student's Name	Nature of Job
2020-21	Subhasmita Priyadarshini	Constable.OPSSB
2020-21	Debiprasad Mohanty	Security Analyst,TCS
2020-21	Satya Narayan Swain	Junior Officer,Quality Control,JK papers Limited
2020-21	Jyotiranjana Behera	Project associate,CSIR-IMMT

# Add-on Course Enrolled

Sl. No.	Course Name	No. of students enrolled
01	Emerging technologies in renewable energy sources	15 (Continuing)
02	Spectroscopic techniques for pharmaceutical and biopharmaceutical industries	17 (Registered)

# Student enrolled in other courses

Course Type		Name of the course	Organised by	No. of Students
Add-on Course		Emerging technologies in renewable energy sources	IGNOU-SWAYAM	15
Add-on	Course	Spectroscopic techniques for pharmaceutical and biopharmaceutical industries	NPTL-SWAYAM	17

# Student Enrichment Programmes

Year	Seminars/ Webinars/ Invited Lectures	No.
2018-19	Seminar	00
2020-21	Webinar/ Invited Lecture	02
2021-22	Invited Lecture	01
2022-23	Invited lecture/Seminar	02
Total		05

# 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



# Laboratory and Experiments





# Cultural Programme



# Media coverage

## ରସାୟନ ବିଜ୍ଞାନ ସ୍ନାତକ ବିଦ୍ୟାର୍ଥୀଙ୍କୁ ସମ୍ବର୍ଦ୍ଧନା

ବାଙ୍କା, ୨୦୩୩ (ନି ପ୍ର): ବାଙ୍କା ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟର ରସାୟନ ବିଜ୍ଞାନ ବିଭାଗ ପକ୍ଷରୁ ଶେଷବର୍ଷ ସ୍ନାତକ ଛାତ୍ରଛାତ୍ରୀମାନଙ୍କୁ ବିଦାୟ ସମ୍ବର୍ଦ୍ଧନା ଦିଆଯାଇଛି । ଆୟୋଜିତ କାର୍ଯ୍ୟକ୍ରମରେ ବିଭାଗୀୟ ମୁଖ୍ୟ ପ୍ରଧାନଙ୍କ ପ୍ରମୋଦ କୁମାର ପଣ୍ଡା ସଭାପତିତ୍ୱ କରିଥିଲେ । ମୁଖ୍ୟଅତିଥି ଭାବେ ଉପାଧ୍ୟକ୍ଷ ପ୍ରଧାନଙ୍କ ମନୋଜ କୁମାର ମହାପାତ୍ର, ସମ୍ମାନିତ ଅତିଥିଭାବେ ପୂର୍ବତନ ବିଭାଗୀୟ ମୁଖ୍ୟ ଡଃ ନିବାସିନୀ ପଣ୍ଡା, ଅଧ୍ୟକ୍ଷା ଶିଳ୍ପା ପଟ୍ଟନାୟକ, ଅଧ୍ୟକ୍ଷିକା ଶୁଭଶ୍ରୀ ଦାଶ, ଅଧ୍ୟକ୍ଷିକା ସୁମତୀ କେଳା, ପଦାଧିକାରୀ ମହାଶି

ଓ କିଶୋର ଚନ୍ଦ୍ର ସାହି ପ୍ରମୁଖ ଯୋଗଦେଇଥିଲେ । ଏହି ଅବସରରେ ନୂତନ ଭାବେ ଯୋଗଦେଇଥିବା ଅଧ୍ୟକ୍ଷିକା



ବିନୋଦିନୀ ପଣ୍ଡାଙ୍କୁ ସ୍ୱାଗତ କରାଯାଇଥିଲା । ବିସ୍ମିତ ସାହି ଧନ୍ୟବାଦ ଅର୍ପଣ କରିଥିଲେ ।

## ରସାୟନ ବିଜ୍ଞାନ ସ୍ନାତକ ଛାତ୍ରଛାତ୍ରୀଙ୍କୁ ସମ୍ବର୍ଦ୍ଧନା



ବାଙ୍କା, ୨୦୩୩(ସମ୍ପାଦ): ଅତି ବାଙ୍କା ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟର ରସାୟନ ବିଜ୍ଞାନ ବିଭାଗ ଆନୁକୂଲ୍ୟରେ ଶେଷବର୍ଷର ସ୍ନାତକ ଛାତ୍ରଛାତ୍ରୀଙ୍କୁ ବିଦାୟ ସମ୍ବର୍ଦ୍ଧନା ପ୍ରଦାନ ଦେବା ସହ ନୂତନ ଭାବେ ଯୋଗଦେଇଥିବା ଅଧ୍ୟକ୍ଷିକା ବିନୋଦିନୀ ପଣ୍ଡାଙ୍କୁ ସ୍ୱାଗତ ସମ୍ବର୍ଦ୍ଧନା ପ୍ରଦାନ କରାଯାଇଥିଲା । ବିଭାଗୀୟ ମୁଖ୍ୟ ପ୍ରଧାନଙ୍କ ପ୍ରମୋଦ କୁମାର ପଣ୍ଡା ସଭାପତିତ୍ୱ କରିବା ସହ ବିଭାଗର ପୁରୁଷ ସଂପର୍କରେ ଆଲୋଚନାପତ୍ର କରିଥିଲେ ।

ମୁଖ୍ୟଅତିଥି ଭାବେ ଉପାଧ୍ୟକ୍ଷ ପ୍ରଧାନଙ୍କ ମନୋଜ କୁମାର ମହାପାତ୍ର, ସମ୍ମାନିତ ଅତିଥିଭାବେ ପୂର୍ବତନ ବିଭାଗୀୟ ମୁଖ୍ୟ ଡଃ ନିବାସିନୀ ପଣ୍ଡା, ଅଧ୍ୟକ୍ଷିକା ଶିଳ୍ପା ପଟ୍ଟନାୟକ, ଅଧ୍ୟକ୍ଷିକା ଶୁଭଶ୍ରୀ ଦାଶ, ଅଧ୍ୟକ୍ଷିକା ସୁମତୀ କେଳା, ପଦାଧିକାରୀ ମହାଶି ଓ ବିଭାଗର ଚନ୍ଦ୍ର ସାହି ପ୍ରମୁଖ ଯୋଗଦାନ କରି ଛାତ୍ରଛାତ୍ରୀଙ୍କୁ ସ୍ୱାଗତ କରାଯାଇଥିଲା । ବିସ୍ମିତ ସାହି ଧନ୍ୟବାଦ ଅର୍ପଣ କରିଥିଲେ ।

## ରସାୟନ ବିଜ୍ଞାନ ସ୍ନାତକ ଛାତ୍ରଛାତ୍ରୀଙ୍କୁ ସମ୍ବର୍ଦ୍ଧନା

ତମପଦ୍ମ, ୨୨୩୩ (ଆପ୍ର): ବାଙ୍କା ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟର ରସାୟନ ବିଜ୍ଞାନ ବିଭାଗ ଆନୁକୂଲ୍ୟରେ ଶେଷବର୍ଷର ସ୍ନାତକ ଛାତ୍ରଛାତ୍ରୀମାନଙ୍କୁ ବିଦାୟ ସମ୍ବର୍ଦ୍ଧନା ପ୍ରଦାନ କରାଯାଇଛି । ଏହି ଅବସରରେ ନୂତନ ଭାବେ କାର୍ଯ୍ୟରେ ଯୋଗଦେଇଥିବା ଅଧ୍ୟକ୍ଷିକା ବିନୋଦିନୀ ପଣ୍ଡାଙ୍କୁ ସ୍ୱାଗତ ସମ୍ବର୍ଦ୍ଧନା ମଧ୍ୟ ପ୍ରଦାନ କରାଯାଇଥିଲା । ବିଭାଗୀୟ ମୁଖ୍ୟ ପ୍ରଧାନଙ୍କ ପ୍ରମୋଦ କୁମାର ପଣ୍ଡା ସଭାପତିତ୍ୱ

କରିବା ସହ ବିଭାଗର ସୈଦିନୀ ସମ୍ପର୍କରେ ଆଲୋଚନା କରିଥିଲେ । ମୁଖ୍ୟଅତିଥି ଭାବେ ଉପାଧ୍ୟକ୍ଷ ପ୍ରଧାନଙ୍କ ମନୋଜ କୁମାର ମହାପାତ୍ର ଯୋଗଦେଇ ଭଲ ପାଠ ପଢ଼ି ବିଭାଗର ସୁନାମ ରଖି କରିବା ପାଇଁ ଛାତ୍ରଛାତ୍ରୀଙ୍କୁ ପରାମର୍ଶ ଦେଇଥିଲେ । ସମ୍ମାନିତ ଅତିଥି ଭାବେ ପୂର୍ବତନ ବିଭାଗୀୟ ମୁଖ୍ୟ ଡଃ ନିବାସିନୀ ପଣ୍ଡା, ଅଧ୍ୟକ୍ଷିକା ଶିଳ୍ପା ପଟ୍ଟନାୟକ ପ୍ରମୁଖ ଉପସ୍ଥିତ ଥିଲେ ।



# Future Plans of the Department

- Reshaping Laboratory with advance facilities.
- Virtual laboratory for understanding the molecules.
- Endeavouring to attain academic excellence.
- To conduct workshop on modern techniques.
- To submit proposals for minor and major projects to CSIR, UGC, ICMR etc.
- To sensitize the students towards the society by organizing frequent outreach programs.

Thank  
You!

dreamstime

