

**A HEARTY WELCOME  
TO  
NAAC PEER TEAM MEMBERS**



**DEPARTMENT OF BOTANY  
MAHAMAYEE MAHILA MAHAVIDYALAYA  
BERHAMPUR**

# ABOUT THE DEPARTMENT

- Department of Botany Mahamayee Mahila Mahavidyalaya was established in the year 1998 with only pass courses.
- In the year 2004 the Department of Botany started its Honours class with students strength 8. The strength of the department increased to 16 on 2011 followed by 32 in the year 2014 and 64 in the year 2016.
- At present the Department has 3 full time Teachers with one Lab Assistant and one Lab attendant.

## **VISSION**

The vision of the Department is

- To prepare the students to meet the challenges of modern world.
- To improve fundamental knowledge of the plant science.
- To inspire, educate and empower the next generation of Botanist.

## **MISSION**

The mission of the Department is

- To gain advance knowledge about plants for the benefits of society, the environment and the industry.
- To produce highly qualified graduate students for life long learning.

# OBJECTIVES

- The main objectives of Botany department is to impart quality education in the field of plant science.
- Students understand and the economic productivity of the Flora world, ideal growing techniques of crops that helps farmers to increase crop yield.
- To acquired adequate knowledge on various branches of botany like plant pathology, plant ecology, paleo-botany, forensic botany etc.
- To deliver knowledge on latest developments in the field of plant biotechnology with practical knowledge.
- To train the botany graduates for appearing the National Eligibility Test examination related to botany.

# SWOC ANALYSIS

<b>STRENGTHS</b>	<b>WEAKNESSES</b>
<ul style="list-style-type: none"><li>• Faculty are well qualified and research oriented.</li><li>• Engaged in the different types of extra curricular activity.</li><li>• Calibrate and quality contribution towards administrative work</li><li>• Good interaction between faculty and students.</li></ul>	<ul style="list-style-type: none"><li>• No Post graduate program</li><li>• Communication skill among the students is poor.</li><li>• Lack of Advance equipments .</li></ul>
<b>OPPORTUNITIES</b>	<b>CHALLENGES</b>
<ul style="list-style-type: none"><li>• To start PG courses in Botany.</li><li>• Development of a practical oriented botanical garden.</li><li>• Confidence building among students through more seminar and group discussion.</li><li>• Department gives Platform to the students to show their brilliant and feasible knowledge by conducting departmental activities, seminars &amp; projects.</li></ul>	<ul style="list-style-type: none"><li>• To increase student progression.</li><li>• To overcome problems and difficulties of the students from rural background.</li></ul>

# PIONEERS



Dr. BANDANA PANIGRAHY (Reader)  
(M Sc. ,M Phil ,B.Ed. M.Ed. PhD )  
DOJ:22.4.1988 Till 30.6.2002



Dr. ARUNA PATNAIK (Reader)  
(M Sc. ,M Phil ,B.Ed. M.Ed. PhD )  
DOJ: 19.7.2002  
DOR: 31.7.2021

# FACULTY PROFILE

SL NO.	PHOTO	NAME OF THE TEACHER AND DESIGNATION	EDUCATIONAL QUALIFICATION	APPOINTMENT TYPES	SPECLIZATION PAPERS	TEACHING EXPERIANCE
1.	A portrait of Dr. Amita Kumari Panda, a woman with dark hair, wearing a pink and orange sari.	Dr. Amita Kumari Panda Lecturer & Head of Department	M.Sc., M.Phil., Ph.D.	PERMANENT	Biochemistry	24 years
2.	A portrait of Dr. Swarnalata Patnaik, a woman with dark hair, wearing a pink sari.	Dr. Swarnalata Patnaik, Lecturer	M.Sc., M.Phil., Ph.D., F.S.L. Sc.	MANAGEMENT	Environmental science	16years
3.	A portrait of Smt Sabita Barik, a woman with dark hair, wearing a white sari with a blue border.	Smt Sabita Barik, Lecturer	M.Sc., M.Phil.	PERMANENT	Biotechnology	5 years
4.	A portrait of Smt Priyadarsani Mekap, a woman with dark hair, wearing a blue sari.	Smt Priyadarsani Mekap, Lab. Assistant	M.Sc.	MANAGEMENT	Biotechnology	8 years

## **PUBLICATIONS IN INTERNATIONAL JOURNALS BY Dr. Swarnalata Patnaik**

<b>SL NO.</b>	<b>TOPIC OF THE PAPERS</b>	<b>NAME OF THE JOURNALS</b>	<b>IMPACT FACTOR</b>
1.	Eco-Physiological Studies of Red Mud Waste Discharged from Alumina Industry on a crop plant under Laboratory controlled conditions and its Toxicological Significance.	2023 IJCRT I Volume 11, Issue 8 August 2023 I ISSN: 2320-2882	7.97
2.	Eco-Biochemical Studies and Impact of Red Mud Waste Extract on the Macromolecules of Green Gram Crop Plant and its Toxicological Significance.	2023 IJCRT I Volume 11, Issue 8 August 2023 I ISSN: 2320-2882	7.97
3.	Impact of leachate Chemicals of red mud waste of Alumina Industry: its Toxicity, impact on photosynthetic efficiency and production of a crop plant.	Eco. Env. & Cons. 28 (October Suppl. Issue) : 2022; pp. (S340-S345) Copyright@ EM International ISSN 0971-765X	
4.	Physiological and Biomolecular studies of Green Gram seedlings Impacted By red mud Waste Discharged From Alumina Industry in Laboratory controlled Conditions and its Toxicological significance.	2023 IJCRT I Volume 11, Issue 8 August 2023 I ISSN: 2320-2882	7.97

# BOTANICAL GARDEN





# EQUIPMENTS



# PROGRAMME OUTCOMES

The course of BSc Botany was designed by the Berhampur University as per CBCS syllabus

Semester I cc-I Microbiology and Phycology

cc-II Biomolecules and cell Biology

Semester II cc-III Mycology and Phytopathology

cc-IV Archegoniate

Semester III cc-V Anatomy of Angiosperm

cc-VI Economic Botany

cc-VII Genetics

Semester IV cc-VIII Molecular Biology

cc-IX Plant Ecology and Phytogeography

cc-X Plant systematics

Semester V cc-XI Reproductive Biology of Angiosperms

cc-XII Plant Physiology

DSE-I Analytical techniques in plant Science

DES-II Natural resource Management

Semester VI cc-XIII Plant Metabolism

cc-XIV Plant Biotechnology

DSE-III Horticulture Practices and Post Harvest Technology and

DSE-IV Project work

# COURSE OUTCOMES

**CLASS: FIRST YEAR B.Sc. (CBCS PATTERN)**

## **SEMESTER –I**

### **CC-I: Microbiology and Phycology**

On completion of the course, students are able to

- know the concept of microorganisms that is bacteria, virus, cyanobacteria etc.
- able to explore what is algae, their life cycle and economic importance.

### **CC-II: Bio molecules and cell Biology**

On completion of the course, students are able to

- To know about bio molecules and Bioenergetics.
- Understand about chemical bonds, properties of water, PH, Buffers etc.

## **SEMESTER –II**

### **CC-III: MYCOLOGY AND PHYTOPATHOLOGY**

On completion of the course, students are able to

- Ensure practical knowledge of mushroom cultivation.
- Understand study of Lichens and different types of fungi

## **CC-IV: ARCHEGONIATES**

On completion of the course, students are able to

- Know the unifying features of archaegoniates.
- Understand the origin and classification of Bryophyta, Ptreidophyta and Gymnosperm.

**CLASS: SECOND YEAR B.Sc. (CBCS PATTERN)**

### **SEMESTER –III**

## **CC-V: ANATOMY OF ANGIOSPERM**

On completion of the course, students are able to

- Know about organization of root and shoot apex, anatomy of Dicot and Monocot plant parts.
- Study about epidermal tissue system, anatomical adaptation of Xerophytes and Hydrophytes.

## **CC-VI: ECONOMIC BOTANY**

On completion of the course, students are able to

- Know about cultivated plants, cereals, legumes.
- Study about spices, Drug yielding plants, Tobacco plants, Oil yielding plants, timber plants, and also about Natural rubber.

## **CC-VII: GENETICS**

On completion of the course, students are able to

- Know about Mendelism.
- Understand about inheritance and variation.
- Study about fine structure of gene and its mutation.

## **SEMESTER –IV**

## **CC-VIII: MOLECULAR BIOLOGY**

On completion of the course, students are able to

- Know about Griffith's, Hershey and Chase, Avery, McCleod and McCarty's experiment that is DNA as the carrier of genetic information.
- Understand about the Genetic code and Central Dogma of life, DNA replication processes.

## **CC-IX: PLANT ECOLOGY AND PHYTOGEOGRAPHY**

On completion of the course, students are able to

- Know about concept of different spheres of Space, study of soil profile.
- Understand about model of Energy flow. 4. Understand about Phytogeographical Division of India

## **CC-X: PLANT SYSTEMATICS**

On completion of the course, students are able to

- Study about plant identification, classification and Nomenclature.
- Know about concept of Taxonomic Hierarchy, Phylogeny of Angiosperms.
- Descriptive study about Magnoliaceae, Rosaceae, Poaceae, Orchidaceae.

## **SEMESTER –V**

## **CC-XI: REPRODUCTIVE BIOLOGY OF ANGIOSPERM**

On completion of the course, students are able to

- Study about pollen biology, male and female gametophyte.
- Know about pollination, fertilization, endosperm development and embryology.

## **CC-XII: PLANT PHYSIOLOGY**

On completion of the course, students are able to

- To know sugar translocation in phloem.
- Understand about plant growth regulators, the importance of water relation in plant.
- Study about physiology of flowering and discovery of phytochromes.
- Evaluate the rule of plant Nutrition their deficiency, symptoms and also know the mechanism of nutrition absorption and translocation.

## **DSE-I: ANALYTICAL TECHNIQUES IN PLANT SCIENCE**

On completion of the course, students are able to

- Study about microscopy, centrifugation, spectrophotometer and radioisotope.
- Study about data analysis, representation of data, chi-square test and t-test.

## **DSE-II: NATURAL RESOURCE MANAGEMENT**

On completion of the course, students are able to

- Study about natural resources and sustainable utilization.
- Student understand about renewable and non-renewable energy resource, resource accounting.

**CLASS: THIRD YEAR B.Sc. (CBCS PATTERN)**

**SEMESTER –VI**

## **CC-XIII: PLANT METABOLISM**

On completion of the course, students are able to

- Understand the metabolic reaction in plant.
- Analyze the role of Nitrogen and Lipid in plant and their metabolism.
- Understand the carbon assimilation process of photosynthesis.

## **CC-XIV: PLANT BIOTECHNOLOGY**

On completion of the course, students are able to

- Know about plant tissue culture.
- Know about recombinant DNA technology, Gene construction and Genome construction.
- Study about application of Bio-technology in agricultural field and SUPERBUG.

## **DSE-III: HORTICULTURE PRACTICES AND POST HARVEST TECHNOLOGY**

On completion of the course, students are able to

- Know about post-harvest technology of fruits and vegetables, documentation and conservation of germplasm.
- Explore about tradition of gardening, irrigation method, hydroponics and propagation method.
- Understand in about interesting idea about ornamental plants.

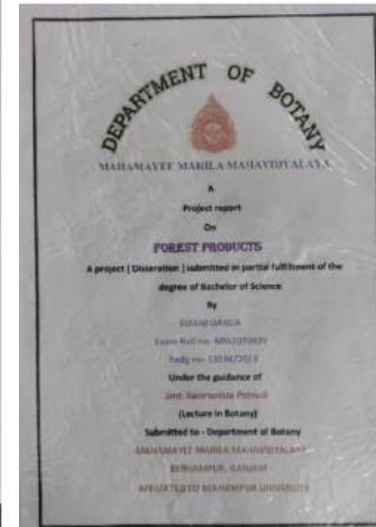
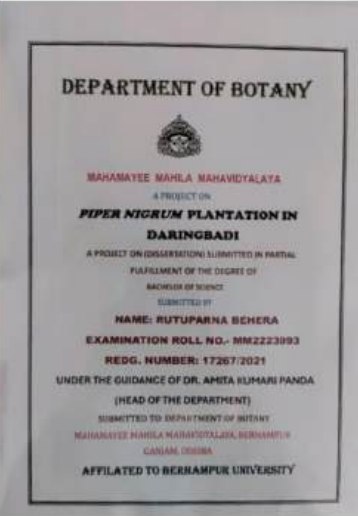
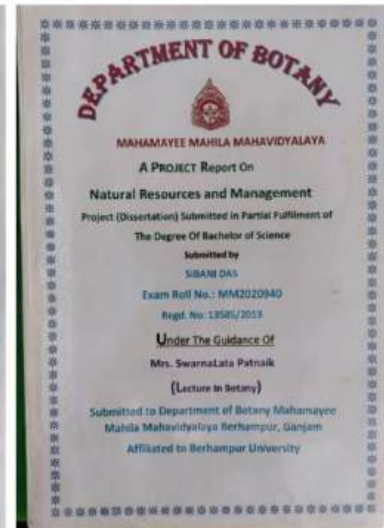
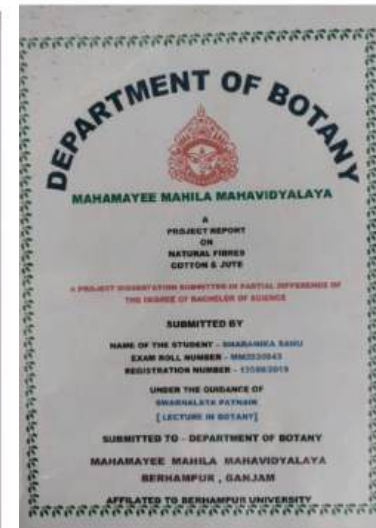
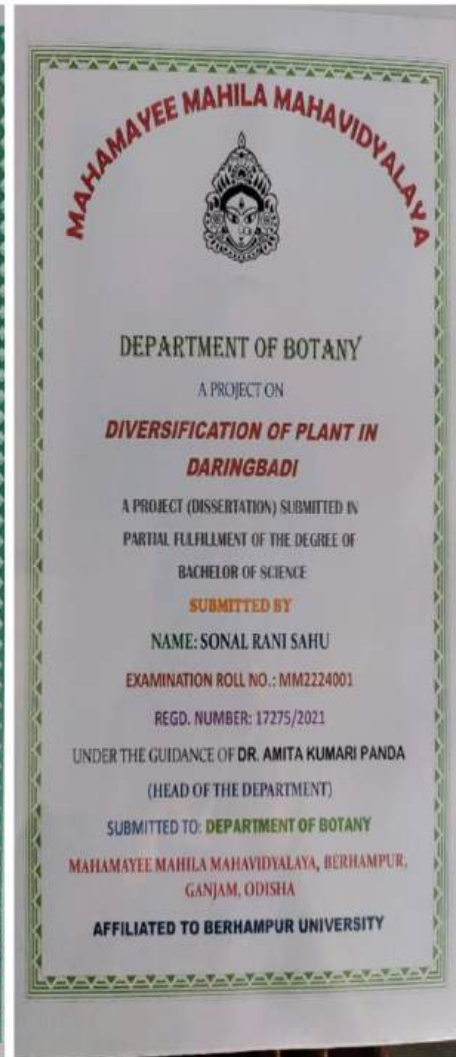
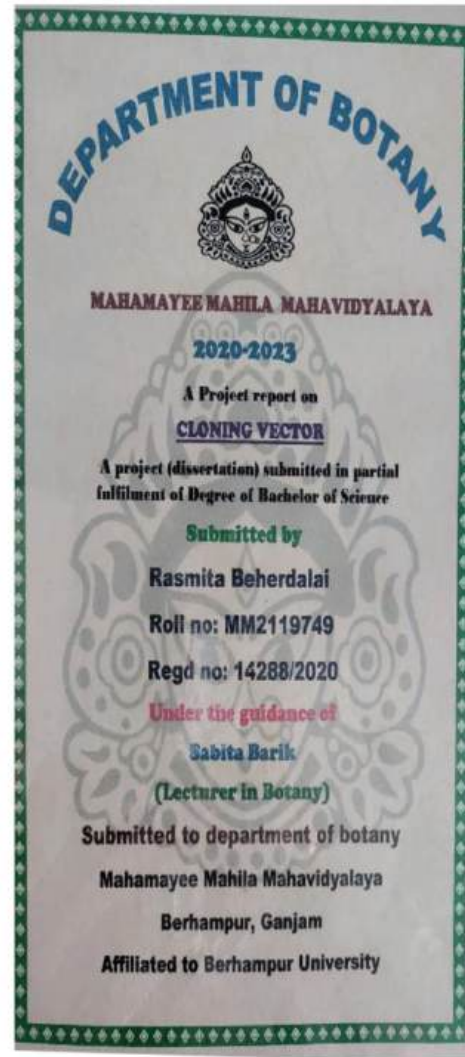
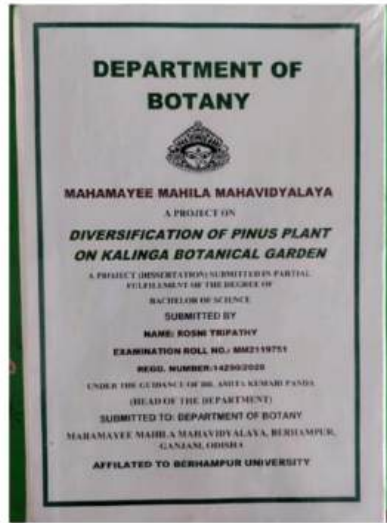
## **DSE-IV: PROJECTS AND RESOURCE WORK**

On completion of the course,

students develop basic understanding of preparation and presentation of different topic of small project related to the course.



# UG PROJECT (2022 -2024)



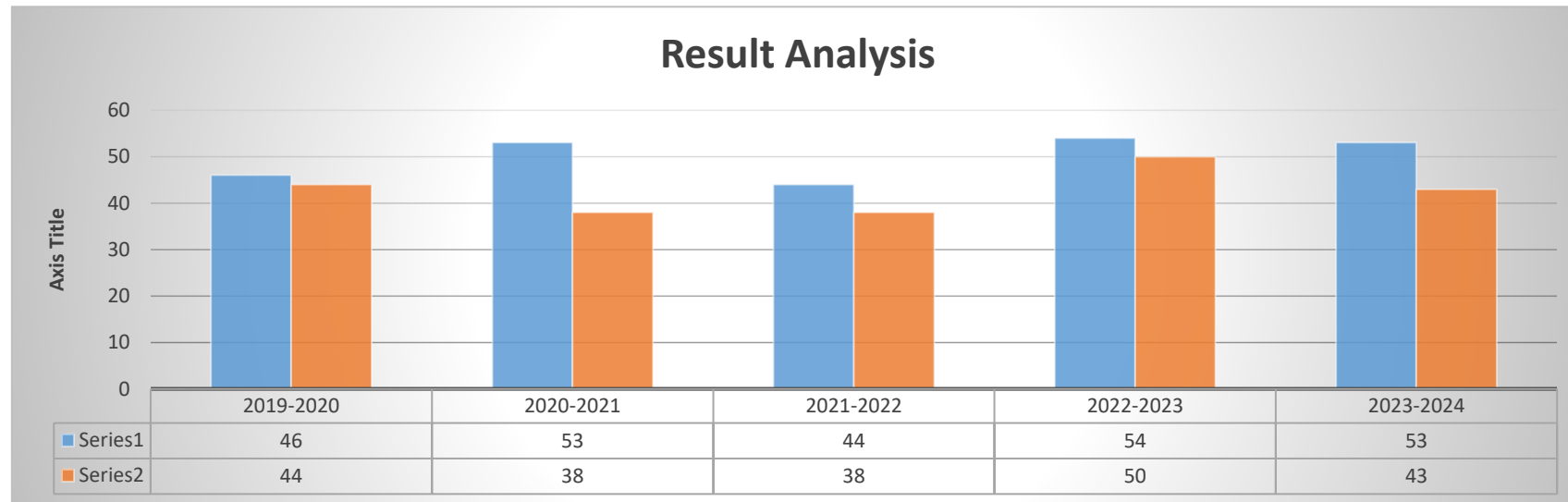
## TEACHING METHOD ADOPTED TO IMPROVE STUDENTS LEARNING

- The teaching resources includes notes, Pdf, PPT, Reference video & Online classes through Google meet during pandemic period.
- Students seminar and presentation.
- Frequent doubt clear classes for students.
- assignments and group discussion.
- Organizing field trips.
- Visit to research institute.

# STUDENTS ADMISSION AND RESULT ANALYSIS

SL NO.	YEAR	TOTAL NO OF SEATS	Enrolled Student
1.	2019	64	57
2.	2020	64	53
3.	2021	64	50
4.	2022	64	52
5.	2023	64	52

SL NO.	YEAR	ENROLLED STUDENTS	TOTAL PASS OUT STUDENTS	PASS PERCENTAGE
1.	2019-2020	46	44	95.65
2.	2020-2021	53	38	71.69
3.	2021-2022	44	38	86.36
4.	2022-2023	54	50	92.59
5.	2023-2024	53	43	81.13



# UNIVERSITY RANK HOLDERS

Sl no	Year	Rank holder name	Rank
1.	2020	Supriya Achary	7th
2.	2023	Soumya Sahu	1st
3.	2023	K. Sravani	5th
4.	2024	Laxmi priya Sahoo	3rd
5.	2024	Arpita Maharana	6th

**BACHELOR OF SCIENCE FINAL 2020**  
First Class Honours in Order of Merit (Subject wise)

Sl.No	Roll No.	Name of the Candidate	Distn	Honours Marks
BOTANY				
1	SV1824360	E POOJA	D	1308
2	SV1824377	SNEHASRETTI ACHARYA	D	1283

*Supriya Achary*  
11.8.2020

Cont.

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B.U. +3 Final Results 202

Sl.No	Roll No.	Name of the Candidate	Distn	Honours Marks
3	SV1824355	ANSHUMAN DASH	D	1262
4	AS1819233	PSITA BISOI	D	1271
5	DV1820038	AKANKSHA NAYAK	D	1268
6	AS1819241	KRISHNA SHREE MOHAPATRA	D	1263
7	MM1822414	SUPRIYA ACHARY	D	1261
8	TT1824687	PRIYANKA MISHRA	D	1253
9	DV1820057	NIHARIKA RANA	D	1252
10	SV1824382	SUBHASMITA JENA	D	1251

**BACHELOR OF SCIENCE 2023**  
First Class Honours in Order of Merit (Subject wise)

Sl.No	Roll No.	Name of the Candidate	Distn	Honours Marks
BOTANY				
1	MM2119762	SOMYA SAHU	D	1286
2	SV2121499	RIYA RANI PATRO	D	1282
3	SV2121489	BHAGABATI PATRO	D	1274
	SV2121485	ANKITA PATRA	D	1274
4	PB2120448	MONALISHA SAHU	D	1267
	SN2121417	APARNA TRIPATHY	D	1267
5	MM2119735	K. SRAVANI	D	1262
6	SV2121502	SUBHASMITA SAHU	D	1260
7	DV2117673	PRIYAMBADA BISWAL	D	1258
8	SV2121506	TANUSHREE SAHOO	D	1254
9	CH2117235	TEJASWINI SAHU	D	1253
10	MA2119448	ABANI KANHAR	D	1252
	SV2121503	SUBHASMITA SAHU	D	1252

B.U. +3 Final Results

Sl.No	Roll No.	Name of the Candidate	Distn	Honours Marks
BOTANY				
1	SV2225804	PAYAL PANDA	D	1283
2	SV2225801	M PRAJNA PARAMITA	D	1278
3	MM2223975	LAXMI PRIYA SAHOO	D	1271
4	SV2225817	SWETALINA SETHI	D	1237
5	SV2225800	KUTUN MAHARANA	D	1218
6	MM2223960	ARPITA KUMARI MAHARANA	D	1202
7	SV2225818	TULASHI PANDA	D	1201
8	TK2226162	ADYASHA PATNAIK	D	1196
9	SV2225802	MADHUSMITA BEHERA	D	1195
10	BA2220485	LIPSA KUMARI SAHU	D	1193

# PLACEMENT OF STUDENTS

Sl. No.	Name	Pass Out Year	Job / Higher Study
1	Anjali Panigrahy	2019	M.Sc. Biotech, KUU. Job-Working as Quality Control Analysis in Unique BiotechLtd. Hyderabad.
2.	Priyanka Panda	2019	Job-Teacher in Takhyasila Residential School, Berhampur
3.	Alisa Rani Patanaik	2020	M.Sc. Biotech, B.U.
4.	Supriya Achary	2020	M.Sc. Biotech, K.U.U. Working in CSIR, IMMT, BBSR as dissertation student.
5.	Suravi Gouda	2020	Job-Teacher in CBSE School, Hinjilicut
6.	Santoshini Sahu	2020	Job-Sri Vatsha Medi System Pvt. Ltd. In Hyderabad.
7.	Naina Pattanaik	2020	Job-HR Recruiter at Grundfos, Hyderabad.
8.	L.Swati Das	2021	Job- Working at LIC Office Br-II as Insurance Advisor.
9.	Tapaswini Sahu	2021	Job-Central Co-ordinator and Facilitator at KIDZEE, Berhampur.
10.	Radhika Padhy	2021	MBA, HR – BU
11.	Biswaprava Sethi	2021	M.Sc. Biodiversity at Central University, Koraput.
12.	Manisa Kumari Sabat	2021	Job-Quality Analysis at Workllama, Bangalore
13.	Puspanjali Lenka	2021	Job-Constable at Odisha Police
14.	Fizza Panda	2021	Job-Air Force Officer in 2 <sup>nd</sup> Phase Training
15.	Madhusmita Behera	2021	M.Sc. (Biotech) B.U.
16.	Laxmi Nayak	2022	Job-Civil Constable at Odisha Police
17.	Subhashree Sahu	2022	Job-Teacher at Hemalata Public School, Golanthara
18.	Smaranika Sahu	2022	M.Sc. Botany, KIMS College, Govindapur
19.	Preeti Patra	2022	Job-Teacher in a Private School.
20.	Ankita Rani Sahu	2022	M.Sc. Life Science, at G.I. ETU.
21.	Prativa Pradhan	2022	M.Sc. Botany, B.U.

22.	Niyati Sahu	2022	Studding Bachelor in Visual Art in X-Gen and Visual College under Utkal University of Art and Culture
23.	Prinkal Sahu	2022	B.Ed. at Venketeswar University
24.	Subhashree Tripathy	2022	MCA – NIST, Berhampur.
25.	Premanjali Sahu	2022	M.Sc. Botany, SBR Govt. Women’s College, Berhampur
26.	P.Alpita Patra	2022	M.Sc. Botany, Govt. Sc. College, Chatrapur.
27.	Shradhanjali Pattnaik	2022	B.Ed. at Ambadakar University
28.	Rachana Nayak	2022	M.Sc. Biotech, Gayatri Institute, Berhampur.
29.	Shubhadra Shukla	2023	M.sc. Botany Sc Auto College Hinjilicut
30.	Soumya Sahu	2023	M.sc environmental science,BU
31.	G. Bhgyalaxmi Das	2023	Job-B.P.M Post office Nabarangpur
32.	Pragyani kumari sahu	2023	Job-junior Assistant Krusi Vigyan Kendra Bhanjanagar
33.	Swarnaprava Sahoo	2023	MBA,Nalanda Institute of technology,BBSR
34.	Sheejal Nayak	2023	PG (Biotech.),K.K university,Bam
35.	Shyma Rani Sahu	2023	PG(Biotech.),GIET University Gunupur
36.	L.Bhabani	2023	MSc in Botany Binayak acharya College,Bam
37.	Suchismita Rout	2023	PG(Life Science),Sambalpur University,Burla
38.	Arpita Swain	2023	MBA,Srusti Acadamy of management,BBSR
39.	Rosni Tripathy	2023	Applied microbiology,VIIT Vallor,Tamilnadu
40.	G.Aishwarya Sarma	2023	B.Ed. Vijayanagr
41.	V Monalisha Patro	2023	National Institute Of Fashion Designing,BBSR
42.	Spandita Satapathy	2023	P.G (Biotech), KKV
43.	A.Roja Achary	2023	Job-BPM IN POSTAL,

# SEMINAR TOPIC

Sl no	Date	Topics
1.	7.01.2019	Microbiology, Algology, Cell biology and Biochemistry
2.	20.02.2019	Application of Biotechnology Resource Person - <b>Dr. Bijaya kumar Mohanty</b>
3.	21.08.2019	Prospective and application of Biotechnology
4.	21.09.2019	Plant physiology and its different aspects
5.	26.10.2019	Genetics
6.	11.12.2019	Microbiology, Algology ,Molecular Biology and Cell Biology
7.	15.2.2020	Recombinant DNA Technology and Phytogeography and Biodiversity Resource Person - <b>Dr. Satish Prasad Nayak</b>
8.	1.10.2020	Reproductive Biology and Plant Breeding (Webinar)
9.	3.10.2020	Plant physiology (Webinar)
10.	15.10.2020	Plant Breeding and stress biology(Webinar)
11.	5.11.2020	Reproductive Biology, Plant Physiology, Plant Breeding(webinar)
12.	6.11.2020	Plant Physiology (Webinar)
13.	13.3.2021	Medicinal plants Resource Person - <b>Dr. Pradeepta Kumar Pattnaik</b>
14.	25.3.2022	Anatomy of angiosperm
15.	6.9.2022	Applied Mycology
16.	29.11.2022	Natural Resources and its Management Resource Person - <b>Dr. (Smt.) Aruna Patnaik</b>
17.	27.2.2023	Plant Biotechnology
18.	11.5.2023	Application of Microbiology
19.	29.9.2023	Reproductive biology
20.	31.10.2023	Plant Anatomy
21.	29.12.2023	Biomolecules and cell biology
22.	3.4.2024	Molecular Biology

# SEMINAR PRESENTATIONS





# FIELD STUDY

Sl no	Date	Place
1.	20.11.2018	<b>Mahuda pharmaceutical college, Mahuda Forest area of Ghatakeswara and Panchama</b>
2.	23.1.2020	<b>Forest area of Ratneswari temple Chikiti and Ghatakeswara temple Mahuda pharmaceutical college, Mahuda</b>
3.	30.11.2022	<b>Kalinga Botanical Research Garden kalinga, Kandhamal</b>
4.	19.1.2024	<b>Pine forest, Coffee Garden and medicinal park of Daringbadi, Kandhamal</b>
5.	24.03.2024	<b>Mahuda pharmaceutical college, Mahuda and nearby botanical garden</b>

# Study tour to Mahuda pharmaceutical college and near by forest area



# Study tour to Kalinga Botanical garden, Kandhamal on 30.11.2022



# Study tour to Pine Forest ,Daringibadi, on 19.01.2024



# STUDENTS ACHIEVEMENTS

- Students of the Department participated in various NSS programs, National Camps and achieved state level NSS awards.
- Number of students of our department qualified NCC 'C' certificate.
- So many students enrolled as youth red cross Volunteer and donated Blood for the society welfare.

## NSS STATE AWARDS

SL NO	PASS OUT YEAR	NAME OF THE STUDENTS	AWARDS
1.	2020	J. Krishna Shyamala	<b>NSS state award for the year 2019-2020</b>
2.	2021	Radhika Padhy	<b>NSS state award for the year 2020-2021</b>



# NATIONAL CAMPS ATTENDED

SL NO	PASS OUTYEAR	NAME OF THE STUDENTS	AWARDS
1.	2020	J.Krishna Shymla Gayatri Rana Pratyushi Panigrahy	NSS National Integration camp, Bhubaneswar , 2018-2019
2.	2020	Aruna Nahak Swyamshree Bishoyee	NSS National Integration Camp , Vadodara, Gujarat, 2020
3.	2020	Tapaswini Sahu	NSS National Integration Camp, Chennai, 2020
4.	2021	Radhika Padhy	1. NSS Republic day parade camp 2020, New Delhi 2. NSS East zone Pre Republic day Parade camp, 2019 at Kolkata
5.	2021	Pooja Panda	NSS East Zone Pre Republic day Parade camp, 2019 at Kolkata
6.	2022	Subhashree Sahu	State Level NSS day Celebration



# REPUBLIC DAY PARADE CAMP, NEW DELHI-2020



### राज्य खबर

#### दिल्ली जनराज्य दिवस परेडकैंप में महिला कर्मी का प्रशिक्षण

दिल्ली, 11 जनवरी (टीडी) - राष्ट्रीय सेवा योजना दिवस परेड शिबिर में महिला कर्मी का प्रशिक्षण कार्यक्रम का आयोजन किया गया। कार्यक्रम में महिला कर्मी को परेड में शामिल होने के लिए प्रशिक्षण दिया गया।

प्रशिक्षण कार्यक्रम में महिला कर्मी को परेड में शामिल होने के लिए प्रशिक्षण दिया गया। कार्यक्रम में महिला कर्मी को परेड में शामिल होने के लिए प्रशिक्षण दिया गया।

# DEPARTMENTAL ACTIVITIES

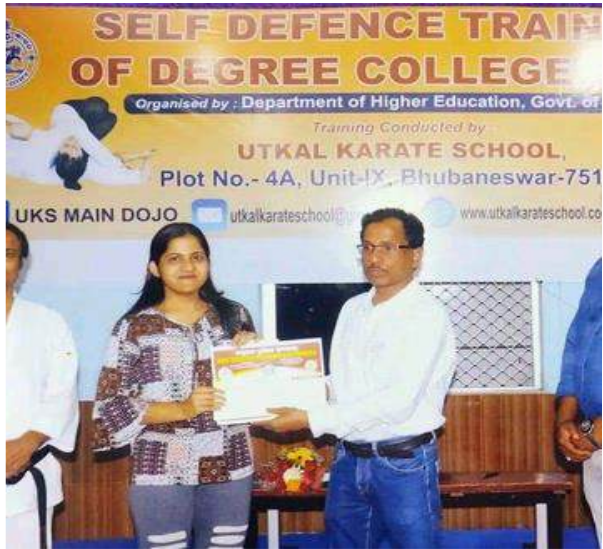




# OTHER CURRICULAR ACTIVITIES



# ACHIEVEMENTS BY STUDENTS AND TEACHER



# NEP 2020 IMPLEMENTATION

- The new education policy NEP-2020 Has Implemented by Berhampur University from the academy year 2024-2025.
- The main objective of this NEP system is learning, digital literacy & skill development.
- NEP aims to make education more holistic, flexible, multidisciplinary & to meet the needs of the 21<sup>st</sup> century.
- NEP system provides various major papers, minor papers, multidisciplinary baskets & disaster management paper etc..
- It includes both Odia & English language to exchange literacy skills.
- NEP system promote multidisciplinary learning. It allow students to learn subjects across different streams.
- NEP system reduced to its core essentials focusing move on key concepts & practical knowledge.

## FUTURE PLAN OF THE DEPARTMENT

- To start M.Sc. In botany.
- To develop a botanical garden.
- Educational Field trips will be organize to explore the plant biodiversity in nature.
- To involve more students in research.
- Workshops will be planned through collaboration with research institute and Berhampur University, Bhanja Bihar.



*THANK YOU*