

**NIMAPARA AUTONOMOUS COLLEGE**

**NIMAPARA,PURI**

**ESTD - 1963**

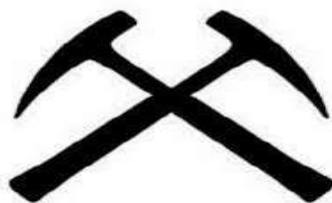
**NAAC-B+**



**PROFILE  
OF**

**GEOLOGY DEPARTMENT**

**ESTD- 1995**



**(+3 Pass) 1995**

**Geology(Hons) 2006**

**Geology (P.G) 2018**

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**DEPARTMENT OF GEOLOGY  
NIMAPARA AUTONOMOUS COLLEGE  
NIMAPARA, DIST-PURL, ODISHA**

**Brief History of Department**

The department of Geology started functioning in the college in the year 1995. The higher secondary classes were opened with 32 nos. of students on roll. In the same year B.Sc pass classes were opened with 64 nos. of students on roll. The dept. soon grew to a full-fledged dept. with opening of Hons. In 2006 with 16 nos. of students on roll. In the year 2018 PG classes were opened with 16 nos. of Students.

The dept. had pedestrian beginning & is far reaching affair now. The dept. has completed 24 years of successful existence. Now that the dept. is well known subject in the locality & in the state also due to achievement of our students. The dept. sneezes the entire college catches cold. Dept. strives had for excellences in every field.

This is the only department and in coastal Puri lying C.A 27Km from the seashore and in the heart of an area often threatened by Natural Hazard like heavy monsoonal river floods, coastal cyclone, super cyclone, tsunami, which ruin the economic and pose as formidable factors for causing rampant poverty seen in the area. After recent Cyclone & Recent mining development in Odisha geological education should be boosted of in the coastal area as well as in the mining area. Geological knowledge gives the idea about protect the coast from Natural Hazard and thereby helping saving teeming coastal population from the future catastrophes looming large in the horizons when climate is changing, sea level is rising, tsunami threatened in the seafloor & earthquake rocking in the coast beside them in mining sector, Ground water, GIS, Environmental Science, Civil Engineering Project, Mega tectonic- Structure Geology, Geo-archaeology, Geo-informatics are the vital subjects for its aspect.

### Vision

- ✓ To Impart quality education in Geology to Rural and Economically weaker students
- ✓ To create interest to Opportunity for Geology as a Major Subject in Higher Education
- ✓ To make the students creative and research oriented.
- ✓ To raise the standard of our students to global levels and make them Employable.
- ✓ To provide a Platform to the students to exhibit their talents and creativity.

## Mission

- ✓ To provide education not only to acquire knowledge but also inculcate a sound philosophy for a holistic living.
- ✓ To encourage self-evaluation, personality development and guide the students to strive towards perfection and competence.
- ✓ Department of Geology provides excellent teaching and learning environment with focus on continuing education.

## PROFILE OF THE DEPARTMENT- GEOLOGY

Sl.no	NAME OF THE DEPARTMENT	GEOLOGY (U.G)	
1	Year of establishment	1995	
2	Number of teacher sanction and present position	01	01 02 (Mgt)
3	No. of administrative staff	Nil	
4	No. of technical staff	Nil	
5	No. of students (Boys/Girls)	92	62
6	Ratio of students to teachers	50:01	
7	Ratio of research scholars to teacher	Nil	
8	No. of research scholars who had their Master Degree from other institution.	Nil	
9	No. of teacher in academic body of other college/University.	2	

10	Last revision of the curriculums (year)	2021	
11	No. of students passed in NET/SLATE etc (last 5 Years)	7(NET)	
12	Success ratio of the students	100%	
13	Demand ratio (no. of seats & no. of application)	1:3	
14	Awards and recognition received by Faculty (last 5 years)	NIL	
15	Faculty who have attained NATL/INTL Seminar (Last 5 years)	2	Nil
16	No. of teacher engaged in consultancy and the revenue generated.	Nil	
17	No. of ongoing projects and its total outlay	Nil	
18	Research project completed during last 5 year and it's outlay	Nil	
19	No. of inventions patents	Nil	
20	No. of Ph.D thesis Guided during the last 5years	Nil	
21	Publication by faculty's last 5 years	01	
22	No. of books in the departmental library.	350	
23	No. of Journals/ Periodical the departmental library.	20	
24	No. of Computers	01	
25	Annual Budget.	Nil	

### TEACHING & NON TEACHING FACULTY.

The department had the great privileged of getting some important scientist as its faculty members. Special mention must be made of Late **Emeritus Prof.Dr. Manmohan Mohanti**,the eminent Geoscientist of Repute under his guidance and teaching ability. The

dept. has flourished to unimaginable extent. The dept. had to its credit **Mr. Biranchi Kumar Patias** its 1<sup>st</sup> head in the year 1995.

In the year 2003 **Prof. Manas Ranjan Swain** joined as only Lecturer and head of the dept. and continuing his service. The dept. rapidly grows and get success due to departmental achievement. With demand Our Geology Dept. has enhance B.sc (Geology Hons) seat from 16 nos. to 56 nos. and enable to open 16 nos. of P.G seat by the Guidance of Emeritus Prof. Dr.M.M Mohanti & Prof. Manas Ranjan Swains. In 2013 **Mrs. Mamata Rani Swain** joined as Lecturer in this Dept. **Miss. Reetuparna Sahoo** joined as lecturer in the year 2019. The department is also regularly visited by additional chief secretary Sj Suresh Chandra Mohapatra (I.A.S) as keynote Speaker and 3 eminent Educationist **Prof. Dr H.K Sahoo, Prof. Dr. P.N Behera & Prof. Siben Mitra**; who help the staff members to teaching in P.G classes. Sri Ramesh Chandra Ojha only non- teaching member in the dept. since 1995 with whose assistance the department marches to a better tomorrow.

[EVALUATIVE REPORT OF THE DEPARTMENT OF GEOLOGY \(U.G & P.G\)](#)

### [FACULTY PROFILE](#)

## FACULTY PROFILE

Name of the Teaching Staff	Age	Sex	Designation	Qualification	Specialization	Experience (In Year)	Year of Awarding M.Phil & Ph.D	Teaching (Year)		
								U.G	P.G	Research
Sri Manas Ranjan Swain	45	M	Lect.	M.Sc, M.Phil	Applied Economic Geology & Igneous Petrology,	21+	2001 (M.Phil)	21+	3+	
Smt. Mamata Rani swain	34	F	Lect.	M.Sc, M.Phil	Remote sensing & GIS Hydrology	10+	2013 (M.Phil)	10+	3+	
Miss Reetupamna Sahoo	28	F	Lect.	M.Sc,	Economic Geology	4+		4+		
MR SAMBIT DALEI	26	M	(Guest Faculty)	M.Sc, NET,GATE		1+	(Ph.D) CONTINUE		1+	
Prof P.K DAS	62	M	Retd.Prof (Guest Faculty)	M.Sc, Ph.D	Ore Geology	35+			3+	
Prof. Dr H.K Sahoo	65	M	Retd.Prof (Guest Faculty)	M.Sc, M.Phil Ph.D	Economic Geology, Ground Water Geology, Geochemistry, Environmental	37+			5+	

## OTHER ACADEMIC ACHIEVEMENTS

1. \_\_\_Manas Ranjan swain attended 3 nos. National seminars organized by Utkal University & Sambalpur University & also attended summer training programme on Geospatial technology & its application, 2 days DST workshop on development of a common spatial data base at Utkal University. He has also attended Hydrology workshop by CGWB on 27.01.2015 to 31.01.2015.

2. Mamata rani Swain has attended Hydrology workshop by CGWB on 27.01.2015 to 31.01.2015. She has also completed GIS. She has continued her Ph.D work under Utkal University by the guidance of Emeritus prof. H.K .Sahoo with topic Hydrology & Geochemistry study in Kakatpur & Astaranga area. She has also attended the workshop on “**Targeting ground water**” on 13<sup>th</sup> November 2015 in the P.G Department of Geology, Utkal University.



## Seminars & Conferences

1 - Opportunities of social media and mobile technologies organized by National institute of disaster management, (ministry of Home Affairs, Govt. of India, New Delhi.) on 8th September 2020.

2 - Transforming disasters challenges into opportunities organized by National institute of disaster management, (ministry of Home Affairs, Govt. of India, New Delhi.) on 15th September 2020.

3 - GEOCHRON-An outline lecture series on various aspect of Geology, Organized by Geological institute, Department of Geology, Presidency university, Kolkata from 22nd august to 27th September 2020.

4 - National webinar on Geospatial Technologies on sustainable natural Resource management conducted by the department of Geoscience, Dr B.R Ambedkar university, Srikakulam on 4th September, 2020.

5 - National webinar on Ore deposits and ore forming processes by prof. M.S Pandian, Dept. of Earth Science, Pondicherry university from 4th September-7th September, 2020.

6 - “water chemistry” webinar series Organized by ECOR foundation on August 30 2020

7 - National webinar on Geomagnetic field in Geosciences conduct by Dr B.R Ambedkar university, Srikakulam on 4th September 2020

8 - International webinar series 1 organized under the aegis of Geo heritage India group on 18th August 2020

9 - Five days webinar on emerging perspectives in earth sciences held on 19th 20th 21st 22nd and 24th August 2020 organized by the P.G Dept. of Geography, Yuvakshetra institute of management studies, Palakkad.

10 - webinar on Solar Astronomy with forthcoming ADITYA L1 mission on August 23, 2020, organized by Mysore Astronomical society.

11 - webinar on Recent Advances in Geological Research organized on 5th August 2020 by Dept. of Geology, Fakir Mohan University, Balesore, Odisha.

### **Orientation & Workshop & Refresher Courses**

1 - e-Training on Refresher course on Igneous, Sedimentary and Metamorphic petrology conducted by RTD, ER, GSITI, Kolkata from 21.06.2021 to 28.06.2021.

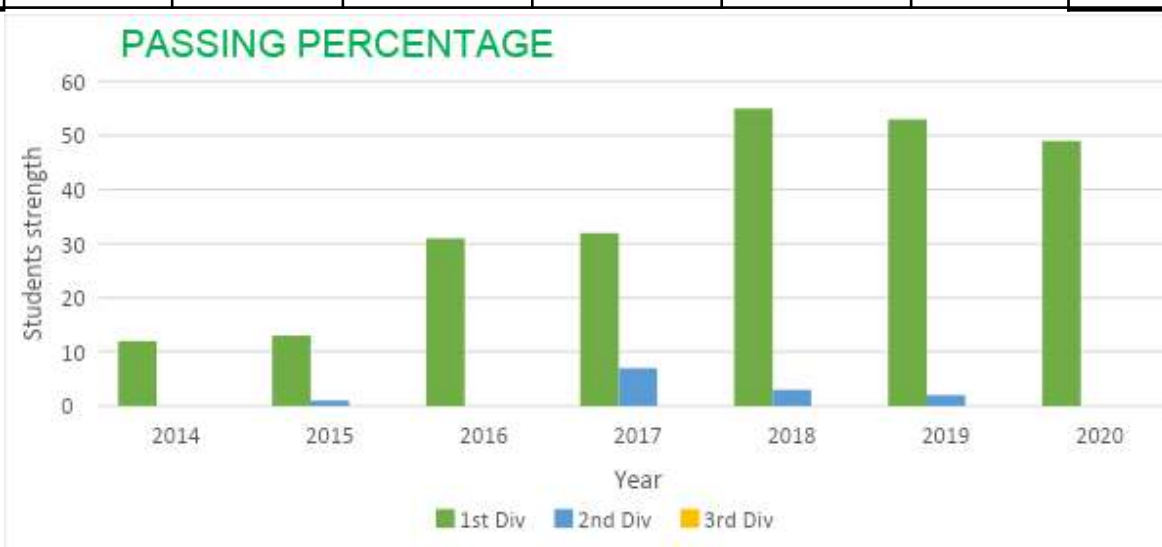
2 - Faculty Development program on Geospatial technology: From Basics to Business organized by Human Resource Development Centre and post-graduate department of Geography, Fakir Mohan university, Balesore, Odisha from 13.12.2021 to 18.12.2021.

3-Faculty Development programme on structural equation modelling and analysis from 26<sup>th</sup> December to 27<sup>th</sup> December, 2023 organised by F.M University, Balasore, Odisha.

# RESULT STATEMENT

## DEPARTMENT OF GEOLOGY (HONOURS) 2014-2023 NIMAPARA AUTONOMOUS COLLEGE, NIMAPARA

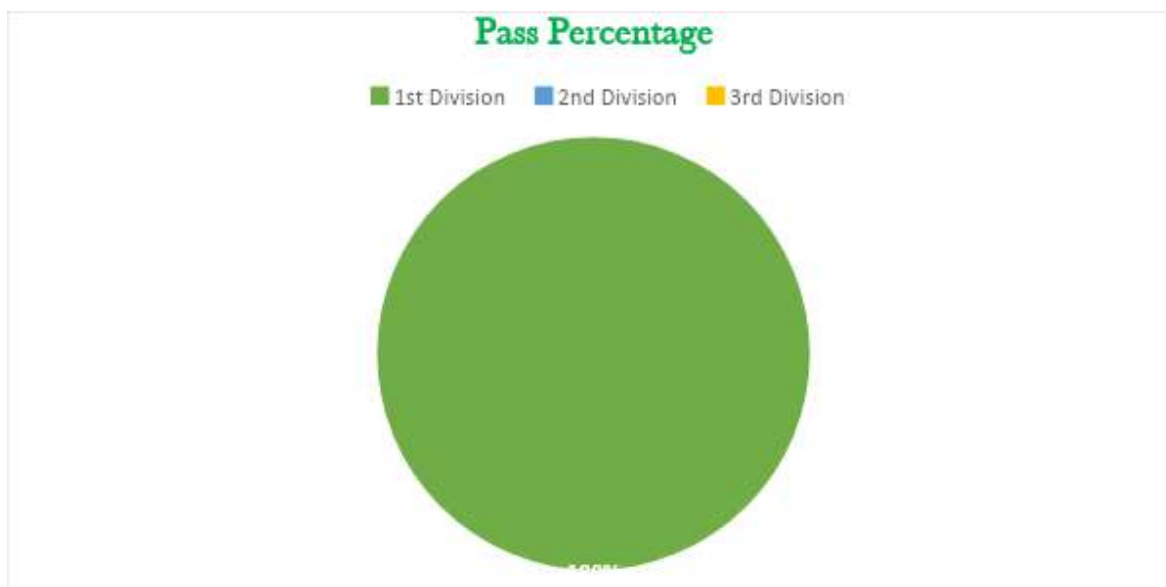
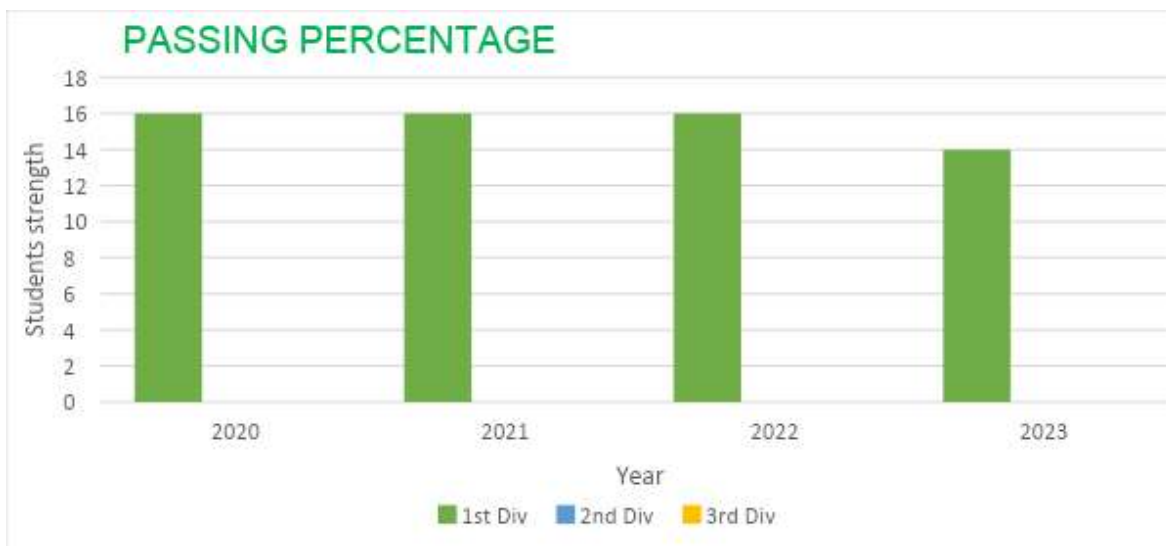
YEAR	SANCTION STRENGTH	STUDENT ADMITTED	APPEARING OF THE EXAM	NO. OF BOYS APPEARING	NO. OF GIRLS APPEARING	% OF PASS	1 <sup>ST</sup> DIV.	2 <sup>ND</sup> DIV
2014	16	16	12	8	4	100	12	0
2015	16	16	15	10	4	100	13	1
2016	32	31	31	22	9	100	31	0
2017	32	41	39	32	7	100	32	7
2018	56	60	58	47	11	100	55	3
2019	56	55	55	36	19	100	53	2
2020	56	50	49	15	34	100	49	nil



DEPARTMENT OF GEOLOGY (P.G) 2018-2023

NIMAPARA AUTONOMOUS COLLEGE, NIMAPARA

YEAR	SANCTION STRENGTH	STUDENT ADMITTED	APPERING OF THE EXAM	% OF PASS
2018-19	16	16	16	100
2019-20	16	16	16	100
2020-21	16	16	16	100
2021-22	16	16	14	100



## **COURSES OFFERED**

The dept. accommodates BSc. (Pass) student with 64 students on roll. Dept. also has Hons, Teaching facility for 56 students. We also provide teaching facility in PG class in Geology for 16 students on roll.

### **Courses Offered**

- **BSc Geology Hons.**
  
- **BSc Geology Pass**
  
- **Post Graduate Geology (Applied Geology)**

## STUDENT PROFILE ACCORDING TO PROGRAMME OF STUDY GENDER REGION 2012-19

Students are mostly from Puri District and some are from other Districts.

Programme of study (U.G)	Hons University sanction strength	Students strength	1 <sup>st</sup> year		2 <sup>nd</sup> year		3 <sup>rd</sup> year		State	NRI
			Boys	Girls	Boys	Girls	Boys	Girls		
2012-13	16	16	11	5	8	4	5	9	Odisha	Nil
2013-14	32	31	22	9	10	5	8	4	Odisha	Nil
2014-15	42	38	24	14	22	9	10	4	Odisha	Nil
2015-16	56	52	34	28	24	14	22	9	Odisha	Nil
2016-17	56	61	46	15	34	28	24	14	Odisha	Nil
2017-18	56	56	42	14	42	15	34	28	Odisha	Nil
2018-19	56	64	39	25	38	14	42	15	Odisha	Nil
2019-20	56	64	49	15	31	24	38	14	Odisha	Nil
2020-21	56	56	34	15	39	10	35	15	odisha	Nil
2021-22	56	56	23	17	34	15	39	10	Odisha	Nil
2022-23	56	56	09	12	23	17	34	15	Odisha	Nil

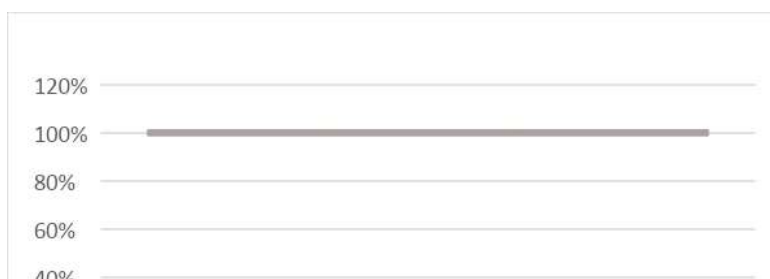
### **Changes made in the courses or programme during the past 5 years and the contribution of faculty to those changes.**

Changes have been made in the courses of Study during past 5 years as per UGC model & CBCS model curriculum. The faculty members and the members of the Board of studies and they design the courses with the aid and advice of the subject expert.

### **Trend in the success rate and dropout rate of students during the last five years**

The trend in the success rate is satisfactory.

2014-15 - 100%



2015-16	-	100%
2016-17	-	100%
2017-18	-	100%
2018-19	-	100%
2019-20	-	100%
2020-21	-	100%

### **Learning resources of the Dept. like Library, Computers, Laboratories, And other such Resources.**

The Dept. has Seminar Library consisting of text and reference books. Also, our Dept. has a good Laboratory and the Practical classes are managed by Dept. Faculties and the students impacted practical knowledge. We take students to field visit in different places of geological interest every year.

### **Enhancement of the Learning resources during the past Five years.**

The Dept. has Audio-Visual Classes (Smart Class) for best reference on Geological Studies. Also we conduct seminars for expertise every week. Our student arranged study tour/Field training programme to visit different mining area and attended workshop.

### **Modern teaching methods in practice other than the lecture method.**

Interaction with students in practice for developing problem solving skills.

### **Participation of teachers in academic and personal counselling of students.**

Teachers of the department academic and personal counselling of the students & also arranged dept. seminar to improve the skilling capacity of each student.

### **Details of faculty development programmes and teachers who benefited during the past 5 years.**

All the students have attended the workshop & summer training programme organized by Utkal University & other Govt. Sectors (CGWB).

### **Participation of teachers in academic activities other than teaching and research.**

Other than teaching and research, teachers of the department attended State and National Level seminars organized by other Autonomous college & Universities of Odisha. They also act as resource persons in the workshops organized by other institutions.

### **Collaboration with other department and institutions of the National and International level and their outcome during the past 5 years.**

**Nil**

### **If research is a significant activity the thrust areas of development.**

**Nil**

**Details of the ongoing projects and project completed during the last 5 years.**

**Nil**

**Publication of the faculty, for the past 5 years. Details regarding citation index and impact factor.**

**Nil**

**Participation of the department in the extension activities of the college.**

Students of the dept. join Youth-Red cross and NSS unit of the college as volunteers and the participate in the extension activities like organization of the health camps, Adult literacy camps and Environment Awareness Programme.

**Methods of continuous student assessment.**

The system of internal assessment & monthly seminar activities is used as a method of continuous assessment.

**Placement record in the past students and the contribution of the dept. to the student placement.**

Geology being an important mining & research subject, students have been trained to appear at various competitive examinations. Many of them got placement in various mining sectors, GIS Lab (ORSAC), Govt. or Non-Govt. organizations. Also, some of the students got Lectureship in Semi Govt. & Govt. College & Universities.

**Significant achievements of the dept. or faculty or students during the past five years.**

**Sri Manas Ranjan Swain has selected Board of Studies Member in Utkal University & also member of Choice Based Credit System during 2015. Also, member in U.N Autonomous College, Talcher Autonomous College, also member in COUNCIL OF HIGHER SECONDARY EDUCATION.**

**Smt. Mamata Rani Swain has selected Board of Studies Ramadevi Women's University.**

**The Pass out Students of our Dept. get Admitted as Research Scholar/M.Tech Through NET/GATE in NGRI Hyderabad, IIT Kharagpur, IMMT Bhubaneswar, Utkal University, Sambalpur University.**

Sl.no	Name of the Student	M.Tech/Ph.D	Name of the Institute
1.	RAJESH BEHERA	Ph.D	IIT Kharagpur(Contd.)
2.	SARBAJIT DASH	Ph.D	NGRI Hyderabad(Contd.)



3.	BATAKRUSHNA SENAPATI	Ph.D	NIT Rourkela(Contd.)
4.	BHAGYAPRASAD RATH	M.Tech	IIT Kharagpur(Contd.)
5.	MAMATARANI SWAIN	Ph.D	UTKAL UNIVERSITY(Contd.)
6.	MADHUSMITA BASTIA	Ph.D	UTKAL UNIVERSITY(Contd.)
7.	<b>SUBHASHREE MISHRA</b>	<b>Ph.D</b>	<b>ISM DHANBAD(Awarded)</b>
8.	SUSHREE SAGARIKA BEHERA	Ph.D	SAMBALPUR UNIVERSITY(Contd.)
9.	BIBHUTI BHUSAN SWAIN	Ph.D	UTKAL UNIVERSITY(Contd.)
10	SUCHISMITA SENAPATI	Ph.D	SAMBALPUR UNIVERSITY(Contd.)
11	RAJESH BHATTA	Ph.D	IMMT BHUBANESWAR(Contd.)
12	<b>JIMUTASEN NAYAK</b>	<b>Ph.D</b>	<b>UTKAL UNIVERSITY(Contd.)</b>
13	SATYANARAYAN BEHERA	Ph.D	SAMBALPUR UNIVERSITY(Contd.)
14	GOUTAM SAHOO	Ph.D	UTKAL UNIVERSITY(Contd.)
15	SWAGATIKA BEHERA	Ph.D	UTKAL UNIVERSITY(Contd.)
16	ANIL CHAMPATI	Ph.D	IIT BOMBAY(Contd.)

**Our Student have got 1<sup>st</sup> topper position 4 times continuous under Utkal Universities 2010-13**

**Our students are also qualified IIT-Jam, BHU, ISM And other Central Universities Entrance Examination and some of the students has got admitted in this institute.**

Sl.no	Year	Name of the Student	IIT-Jam/NIT	BHU	ISM	Other Central Universities
1	2015	Bhagyaprasad Rath	Qualified			
2	2015	Jagan Behera	Qualified		Admitted(Dhanbad)	
3	2015	Subasis Sahoo	Qualified			
4	2016	Anurag Mohanty	Admitted(Kharagpur)			
5	2016	Sarbajit Dash	Qualified	Admitted	Qualified	
6	2017	Pratyush Kumar Sahoo	Qualified	Admitted		
7	2017	Sudeep Kumar Sahoo	Qualified (NIT, Raipur)			
8	2017	Sibashis Mohanty				Punjab University
9	2018	Soumya Ranjan Rana	Admitted (231) NIT, Rourkela			
10	2018	Umakanta Das	Qualified			

11	2018	Satis Saurav Parida				Kurukshetra University
12	2018	Priyadarshan Samal				Punjab University
13	2018	Tushar Ranjan Mohanty				Punjab University
14	2019	Sambit Dalai	Admitted(BBSR) (156)			
15	2019	Barsharani Mallick	Qualified	s		
16	2019	Samarpita Parida				Kurukshetra University
17	2019	Abinash Kundu				Punjab University
18	2019	Mission Choudhury				Bangalore University
19	2019	Swapnajt Mohanty	Admitted NIT Raipur			
20	2018	Jyoti Ranjan Tripathy	Admitted NIT Raipur			
21	2018	Anshuman Swain	Admitted NIT Raipur			
22	2018	Ramesh Chandra Swain	Admitted NIT Raipur			
23	2020	Sital Malla	Admitted IIT Kharagpur			
24	2020	Saishree priyadarshini	NIT Rourkela			
25	2022	Subasish Giri	IIT BOMBAY Admitted			

**Our students Achievement in State Universities.**

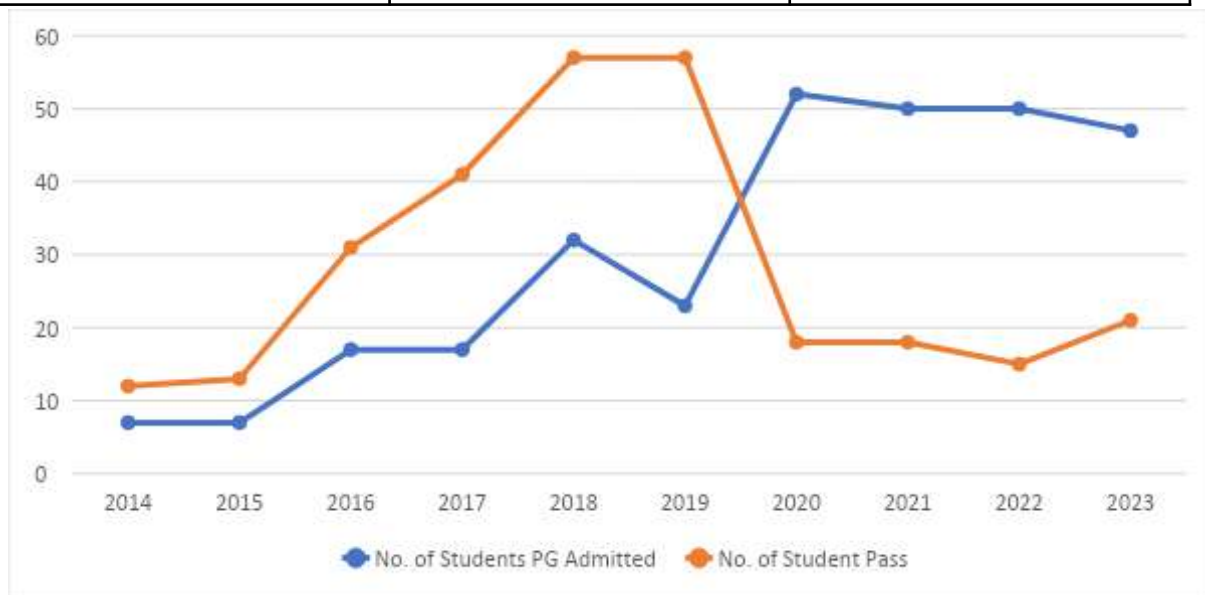
Sl.no	Year	Name of the Student	Utkal University	Ravenshaw University	Sambalpur University	Khallikote University
1	2014	Roumya Ranjan Swain	Admitted			
2	2014	Lokanath Lenka	Admitted			
3	2014	Bibhutibhusan Swain	Admitted			
4	2014	Puja Das			Admitted	
5	2014	Uttam Kumar Mansingh		Admitted		
6	2014	Monalisha Das				Admitted
7	2014	Lipsa Jena				Admitted
8	2015	Bhagyaprasad Rath	Admitted			
9	2015	Bijjan Patnaiik		Admitted		
10	2015	Dipika Bhoi		Admitted		
11	2015	Reetuparnna Sahoo				Admitted
12	2016	Madhusmita Mallick	Admitted			
13	2016	Arpita Mallick	Admitted			
14	2016	Ranjit Sahoo		Admitted		
15	2016	Runu Das				Admitted
16	2016	Rashmija Nanda				Admitted

17	2016	Nihar Nayak				Admitted
18	2016	Rajanikanta Nayak				Admitted
19	2016	Pankaj Kumar Jena				Admitted
20	2016	Barsha Panda				Admitted
21	2016	Hrusikesh Satapati				Admitted
22	2016	Runubala Rout				Admitted
23	2017	Tapas Kumar Mishra	Admitted			
24	2017	Rajesh Behera	Admitted			
25	2017	Arpita Pahi		Admitted		
26	2017	Nilakantha Behera			Admitted	
27	2017	Gyana Ranjan Parida			Admitted	
28	2017	Kalia Behera			Admitted	
29	2017	Suprava Sahoo			Admitted	
30	2017	Gyanasmruti Patnaiik				Admitted
31	2017	Priyabrata Pradhan				Admitted
32	2017	Prabhudatta Behera				Admitted
33	2017	Bharat Moharana				Admitted
34	2017	Surya Kanta Mohapatra				Admitted
35	2018	Rajendra Behera	Admitted			
36	2018	Hrudananda Behera			Admitted	
37	2018	Jagannath Behera			Admitted	
38	2018	Subhashree Satapathy				Admitted
39	2018	Bighnaraj Patra				Admitted
40	2018	Ananya Mohapatra				Admitted
41	2018	Subhadarshini Swain				Admitted
42	2018	Priyanka Samantaray				Admitted
43	2018	DipakKumar Mohapatra				Admitted
44	2019	Saswasta Panda	Admitted			
45	2019	Gyanada Priyadarshini Panda		Admitted		
46	2019	Ambrita Swain				Admitted
47	2019	Smutirekha Kundu				Admitted
48	2019	Manisha Routray				Admitted
49	2019	Barsharani Mallick			Admitted	
50	2019	Sanghamitra Mallick			Admitted	
51	2019	Pradeep Kumar Senapati				Admitted
52	2016	Nihar Chinera			Admitted(2017)	
53	2016	Amit Panda			Admitted(2017)	
54	2017	Subhasmita Swain				Admitted (2018)
55	2016	Latatendu Dehuri		Admitted (2017)		
56	2015	Abinash Mohapatra		Admitted (2017)		
57	2015	Subhasis Sahoo		Admitted (2016)		
58	2018	Dipti Ranjan Behera	Admitted (2019)			

59	2022	Niranjana mallick	Admitted			
60	2022	Susanta Sahoo		Admitted		
61	2023	Subhashree Mallick	Admitted			

### The Nos. of students has got admitted in P.G courses from 2014-19

Year	No. of Student Pass	No. of Student PG Admitted
2014	12	7
2015	13	7
2016	31	17
2017	41	17
<b>2018</b>	<b>57</b>	<b>32</b>
2019	57	23
2020	52	18
2021	50	18
2022	50	15
2023	47	21



Most of the Geology Hons. Students are welly engaged in differentfield such as Geologist, Geoscientist, Asst. Geologist, ONGC, NALCO, Universities, Colleges, Vedanta& ORSAC.

Sl.no	Name of the Student	Designation	Place of posting
1.	Jimutasen Nayak	Scientific Officer-C	BARC
2.	Anurag Mohanty	Geologist	ONGC

3.	Lokanath Lenka	Asst. Geologist	GSI
4.	Abhiram Behara	Geologist	GSI BBSR
5.	Subhashree Mishra	Asst. Prof.	Banasthali Vidhyapitha, Rajasthan
6.	Swagatika Behera	Geologist	NALCO
7.	Diptimayee Nanda	Geologist	IMFA
8.	Dipen Parida	Project Asst.	ORSAC
9.	Mamata Rani Swain	Lecturer	Nimapara Autonomous College
10.	Binata Jena	Lecturer	Talcher Auto. College
11.	Sumitra Pratihari	Lecturer	Talcher Auto. College
12.	Blibhuti Bhusan Swain	Lecturer	U.N Auto. College
13.	Suchismita Senapati	Lecturer	U.N Auto. College
14.	Tanmaya Prusty	Lecturer	V.N Auto. College
15.	Reetuparnna Sahoo	Lecturer	Nimapara Autonomous College
16.	Roumya Ranjan Swain	Lab. Asst.	F.M University
17.	Kamesh Pradhan	Process Controller	Vedanta Aluminium Ltd.
18.	Hrushikesh Senapati	Process Controller	Vedanta Aluminium Ltd.
19.	Asit Rudranarayan Barik	Process Controller	Vedanta Aluminium Ltd.
20.	Bichitra Nanda Senapati	Process Controller	Vedanta Aluminium Ltd.
21.	Hrudaya Ballav Pradhan	Geologist	Vedanta Aluminium Ltd.
22.	Pankaj Kumar Khatoi	Junior Asst.	Revenue of Disaster Management
23.	Jayadev Mishra	Teacher	KIIT
24.	Ipsa Niharika	Teacher	Bamnala Highschool
25.	Monalisha Majhi	Teacher	Denua High School
26.	Itishree Nayak	Teacher	Bamnala M.E School
27.	Sasmita Mohanty	Teacher	Orakala Govt. U.G High School
28.	Swagatika Priyadarshini	Teacher	Gop Maktab M.E School
29.	Tapan ku Nayak	Scientific officer D	B.A.R.C
30.	Siba prasad Nayak	Project ASST	O.M.C
31.	Soubhagya Ranjan Sahoo	Project ASST	O.M.C

**Involvement of Student in Academic /Curricular and other activities of the department.**

Students of the department involve themselves in academic activities and participate debate, Essay, song, dance, Art, Cricket, Acting, Personality text organized by college and other allied function in the college.

### CURRICULAR AND EXTRACURRICULAR ACTIVITY

Some of the students of our Dept. take participate in different activities in our College.

1. Soumya Subham Mohapatra 2013 (Dancer & Singer)
2. Raja Raman Nayak 2015 (Mono Acting)
3. Satish Sourav Parida 2015 ( Best Volunteer in SBM)
4. Bighnaraj Patra 2015 ( Best Volunteer in SBM) (Cricketer)
5. Bikash Chanadra Barik 2015 ( Best Volunteer in SBM) (Good Speaker)
6. Anurag Mohanty 2015 (Artist, Painter)
7. Jagannath Behera 2015 (Singer)
8. Anshuman Swain 2015 (Dancer)
9. Sunil Das 2015 (Cricketer)
10. Padmaja Priyadarshini 2016(YRC)
11. Suchitra Pradhan 2016(YRC)
12. Swastick subham Sahoo 2016 (Volley)
13. Gyanada Priyadarshini Panda 2016(YRC)
14. Priyanka Priyadarshini Mangaraj 2017 (Dancer)
15. Smrutismita Mallik 2017(Artist, Painter)
16. Soumya Ranjan Parida 2017(YRC)
17. Pradosh Mohapatra 2017(YRC)
18. Sumo Ranjan Mandol 2017 (YRC)
19. Soumya Ranjan Panigraghi 2017 (YRC)
20. Rajesh Ray Mohapatra 2017(YRC)
21. Roumya Ranjan Jena 2017(Football)
22. Ankit Acharya 2017 (Volley)

- 23.Saismruti Patnaik 2018 (Dancer)
- 24.Biswajit Jatin Patra 2018 (NYP)
- 25.Harihara Jena 2018(NYP)
- 26.Ashutosh Nayak 2018(Cricketer)
- 27.Suryakanta Parida 2018(Cricketer)
- 28.Satyashree Amiya Ranjan Behera 2018(SBM)
- 29.Subham Sahoo 2018 (Classical Dancer)
- 30.Aneswa Panigrahi 2018(Hindustani Singer)
- 31.Atish Kumar Behera 2019(Artist, Drawing)
- 32.Galga Purty 2019(Football)
- 33.Satyajit Swain2019(Creative Activity)
- 34.Aswini Kumar Parhi2019(Chess)
35. Rashmi Rekha makap(sports,debate,eassy)
- 36.Dibya Ranjan Pradhan (English debate,sports,quiz)
- 37.Adiya Sahoo (quiz district level first position)

## **EVALUTION OF STUDENT PROFORMANCE**

- ✓ Department conducts monthly assessment regularly & unit wise casually to evaluate students' performance,
- ✓ We have also group discussion & oral questions answer session on IIT-Jam, M.Sc. entrance level test.
- ✓ We have arranged field tour programme every year to different mining fields, Geology and Lithology based areas, coastal areas, engineering projects, structural areas & work shop programme in govt. sectors.

## **DEPARTMENTAL SEMINAR**

- ✓ The department conducts two seminars annually.

✓ Eminent persons having expertise in the field are also invited.

✓ All faculty members & students of our department participate & talk their seminar papers.

✓ Selected papers & reports of the seminars are edited & kept for future reference.

Sl.no	Date	Name of the Expertise	Topic
1.	28-12-2014	Prof. Siben Mitra (A.S College, Tirtol)	Sustainable Development of Minerals of Odisha.
2.	28-01-2015	Emeritus Prof. Hrushikesh Sahoo	Mineral Resources of Odisha
3.	27-01-2017 to 28-01-2017	Prof. Gopal Krushna Panda	Remote Sensing & It's Application
4.	15-12-2017	Emeritus Prof. Manmohan Mohanti	Advance of Geology & Water Crisis – Global to Local
5.	03-01-2019	Emeritus Prof. Purnananda Behera	Solid Waste Management.
6.	01-10-2019	Sarthak Beura (ONGC)	Petroleum Technology & Sedimentary Basin
7.	5.6.2022	Jimutsen Nayak (Scientist B.A.R.C) Prof Hrushikesh Sahoo (Utkal university)	Advantages and challenges nuclear energy.
8.	19.4.23	Prof p.k Das	Metamorphic ore deposits
9.	4.11.23	Sambit Dalei	Crystallisation of magma



## **CULTURAL ACTIVITIES**

- ✓ Observe college foundation day, Independence Day, republic day.
- ✓ Teachers day, welcome, & farewell ceremony

### **Innovation and best practices initiated/ Adopted by the Dept. in last 5 Years.**

Remedial class have been introduced for the slow learners.

### **Any other Highlights.**

The Dept. has made a name for itself by producing Scholars, Officers, University Topper and Geologists, Research Scholars, IIT qualified in Different Organization at the State & National Level.

## **ANNEXURE – II**

### **Winners and Toppers and Outstanding Activities of our Students.**

The students of the Geology Dept have excelled in University and in the college level also. Large nos. of students have secured 1<sup>st</sup> position continuously in Utkal University bringing Glory to the department and Institute also.

- 1) **Subhashree Mishra** has got **2<sup>nd</sup> Position in Utkal University 2009**
- 2) **Ipsa Niharika** has got **1<sup>st</sup> Position in Utkal University 2010**
- 3) **Batakrushna Senapati** has got **1<sup>st</sup> Position in Utkal University 2011**
- 4) **Jimutasen Nayak** has got **1<sup>st</sup> Position in Utkal University 2012**
- 5) **Ananya Dash** has got **1<sup>st</sup> Position in Utkal University 2013**

### **Nimapara Autonomous College Toppers from 2014 to onwards.**

1. **Roumya Ranjan Swain 2014**
2. **Bhagyaprasad Rath 2015**
3. **Anurag Mohanty 2016**
4. **Arpita Pahi 2017**
5. **Jyotiranjana Tripathy 2018**
6. **Asis Kumar Pradhan 2019**
7. **Smrutismita mallick 2020**
8. **Soubhagya Ranjan Sahoo 2021**
9. **Sambit ku Swain 2022**
10. **Munu Chinera 2023**

### **Nimapara Autonomous College Toppers from 2020 to onwards(P.G).**

1. **Rasmita Padhi 2020**
2. **Sonali Choudhary 2021**
3. **Prangyasini Barik and Sandhya Rani sahuo 2022**
4. **Soubhagya Ranjan sahuo 2023**

## **Strngth, Weakness, Opportunity, Challenges(S.W.O.C)**

### **Strength**

- **Highly qualified and experienced teaching faculty and technical staff.**
- **Highly disciplined and talented students.**
- **Good relation between staff and students.**

### **Weakness**

- **Restricted autonomy in developing need base curriculum**
- **Frequent transfer of faculty by the Govt.**
- **Students from rural background with low socio-economy and educational status.**
- **Restricted funds.**

### **Opportunity**

- **Seminar library.**
- **Reading room facilities.**
- **Internet facilities.**
- **Supply of handout.**
- **PPT presentation of seminar by the student through LCD projector.**
- **Add on course (Remote sensing and Gis)**
- **Skill development programme(preparation of geomodel)**

### **Challenges**

- **To enhance the interest of the students in higher study.**
- **To ensure the facility of research work.**

- To make smart class room for the department of Physics.
- To make multi user internet facility and to enhance Strength of Study room as well as Seminar Library.

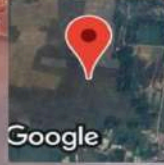
## FUTURE PLANS OF THE DEPARTMENT

- To make a Remote Sensing & GIS Lab, Soil and Water Testing Lab.
- Rock Museum.
- Diploma in Quality Control Testing/ Diploma in Laboratory Technician Course in collaboration with Zoology Dept.
- Give financial Funding for Project Work in Coastal Geology from Astaranga to Ramachandi for Awareness programme.
- We need a Campus drive Programme for Placement of Our U.G & PG Students for Placement in Survey, Mining Sector because Geology is a Mining Related Subject.

## DEPARTMENT ACTIVITIES OF U.G AND P.G (GEOLOGY)

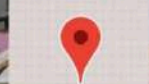
# DEPARTMENTAL ACTIVITIES





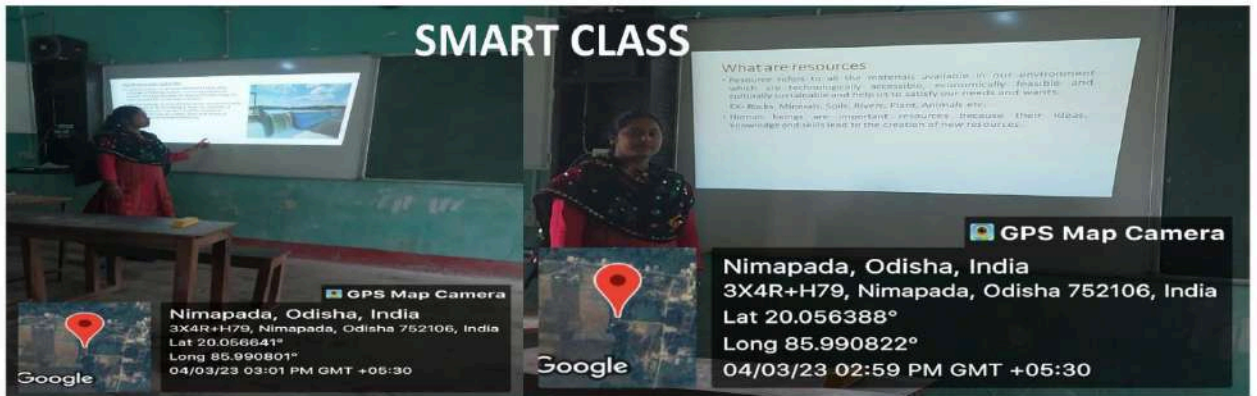
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GPS Map Camera



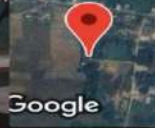
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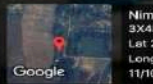
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GPS Map Camera



**Nimapada, Odisha, India**  
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GPS Map Camera



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**Webinar on zoom**

**NIMAPARA AUTONOMOUS COLLEGE**  
NIMAPARA, PURI

**Time: 4.00PM**  
*Date: 05.06.2022, Sunday.*

**NATIONAL WEBINAR ORGANIZED BY GEOLOGY DEPARTMENT & IOAC NIMAPARA AUTONOMOUS COLLEGE.**

**Topic**  
*Advantages and challenges of Nuclear Energy: Is it safe?*

 <b>PROF. RAMAKANTA DASH</b> PRINCIPAL, NIMAPARA AUTONOMOUS COLLEGE	 S.J. Jagat Prasad Sabut, President, G.B	 Mrs. Puspita Rajguru, co-ordinator IQAC.
 S.J. Manas Ranjan Swain, Dept. of Geology, Nimapara Autonomous College	 Emeritus professor Hrushikes sahu (Retd ) PG Dept of Geology , Utkal University vanivihar	 JIMUTASEEN NAYAK DESIGNATION- SCIENTIST-C AMD/NR, Dept. Of Atomic Energy, New Delhi



**ROCK MUSEUM OF GEOLOGY DEPARTMENT INAGURATED ON 27.7.2023**





Poster presentation conducted by geology department 10.12.2022



OUTREACH ACTIVITY OF UG AND PG





## DEPARTMENTAL EXTENSION ACTIVITIES

Research activity & field work programme are the significant feature of our Dept. . Our Dept. has initiated Coastal Research work, mining visit, structural mapping, petrological study, stratigraphic co-relation, visit to civil projects(Dam, Bridge) & survey and Ground Water condition of Coastal area in Every year. Our Geology Hons. +3 3<sup>rd</sup>Year Students have Arranged field tour programme to visit Regali Dam Project (Anugul District)

Geology +3 2<sup>nd</sup> year Hons. Students have arranged field tour programme for study the Lithology & Stratigraphy of Satakosia Area of Nayagarh and Atri Hot Spring of Khurda.

Our +3 final year students recently go to their field study Hirakud dam and Humaduma temple for the study of engineering properties in dam site and structure , tectonics activities of Humadhuma temple.

Recently our PG students go to their Field Tour in the Area around South Kaliapani(chromite mines) ,Charnockite mines khurda and Bhimkund for the study of lithology and structure.



# FIELD TOOR OF PG STUDENT



FIELD TOOR OF +3 3<sup>rd</sup>Year STUDENT

















SEMINAR PRESENTATION



SEMINAR CLASSES