

ANNUAL REPORT

2018-19



NORTH ORISSA UNIVERSITY
SRIRAM CHANDRA VIHAR
TAKATPUR, BARIPADA – 757 003
MAYURBHANJ, ODISHA



NORTH ORISSA UNIVERSITY

Chancellor

His Excellency Prof. Ganeshi Lal
Hon'ble Governor of Odisha

Vice-Chancellor

Prof. Pradeep Kumar Chand

Registrar

Prof. Pramoda Kumar Satapathy

Chairman, PG Council

Prof. Susmita Kar

Comptroller of Finance

Sri Mayadhar Sahoo OFS (S)

Controller of Examinations

Dr. Nirmal Chandra Panda, OES-I



MEMBERS OF ANNUAL REPORT COMMITTEE 2018-19

1. Vice-Chancellor - Chairperson
2. Chairman, PG Council- Member
3. Prof. Jagannath Lenk, Director, CDC
4. Prof. Hemanta Kumar Sahu, Director, DDCE
5. Registrar- Convener

Published by

(Prof. Pramoda Kumar Satapathy)

Registrar

North Orissa University

UNIVERSITY INSIGNIA

1. The ship in the logo represents maritime culture of Orissa. This also represents Orissa's past glory in trade and commerce.
2. The inkpot with pen symbolizes education in the ancient period which needs to be developed in recent times to cater to the modern needs.
3. The tribal couple with fire wood on their heads represents the tribal life and culture in Mayurbhanj and Keonjhar districts.
4. The pulley used in extracting minerals from the mines and the vehicle used for transportation of those minerals to the industries symbolize rich potential of minerals in Mayurbhanj and Keonjhar districts, which are the basic ingredients in setting up of industries in these districts.

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NORTH ORISSA UNIVERSITY

North Orissa University (NOU) was established on 13th July, 1998 vide Govt. of Orissa notification No. 32930/HE dated 13th July, 1998. It is included in the UGC list of Indian Universities under 2 (f) and 12(B) with effect from 15.2.2000 and 21.6.2006, respectively. The University is accredited by NAAC with B+. There are 94 Colleges affiliated to this University, out of which 58 Colleges are from Mayurbhanj District and 36 are from Keonjhar District. Both the districts are thickly populated with the tribal people. Approximately 63% inhabitants of these districts belong to Scheduled Tribes. The University plays a pivotal role in salvaging and fulfilling the needs of higher education among the primitive inhabitants of these districts.

The campus of the University is located at Sriram Chandra Vihar, which is named after the noble, charismatic and benevolent Raja of Mayurbhanj – Sriram Chandra Bhanj Deo (1891-1912). It is situated at the outskirts of Baripada town, which is 250 km away from Kolkata, 260 Km from the state capital Bhubaneswar and 62 km from Balasore Railway Station and about 5km from Baripada Railway Station. The site is also well connected with all other places of Mayurbhanj and Keonjhar.

The 2nd Campus of North Orissa University is situated at Suleikhamar, Keonjhar. The academic programme has started from the academic session 2017-18.

The Hon'ble Governor of Orissa, His Excellency Prof. Ganeshi Lal, is the Chancellor and Prof. Pradeep Kumar Chand is the Vice-Chancellor of the University.

VISION AND MISSION OF THE UNIVERSITY

Vision

- To emerge as a Unique Centre of Learning where a global perspective informs, guides and grounds the thought and action at a local level.
- To be a leader amongst HEIs in creation and dissemination of knowledge by synergising excellence with equity, education with experience, research with innovation and livelihood with dignity amongst the young students of the University.
- To groom the students to be intellectually responsive, socially responsible, ethically sensitive and professionally competent in becoming a good citizen

Mission

- Using education as a catalyst for promotion of self-esteem and as an instrument of change for all its students with special attention to those from areas under the jurisdiction of the University namely, Mayurbhanj and Keonjhar districts.
- Providing our students a safe and functional space conducive to learning, working and conducting research by virtue of professionalism, excellence, teamwork and environmental stewardship in consonance with national needs and global standards
- Providing a clean, efficient, sensitive and transparent system of administration and governance for all its stake holders.
- Enabling the University to exemplify the highest ideals of social equity, gender justice and compassion for the weak and disadvantaged.
- Fostering functional and outcome based academic linkages with national /and global organizations (including industry) for advancing stakeholder engagement, social development through research, innovation, consultancy and outreach.

- Nurturing an ecosystem for holistic education where natural science, technology, social sciences, liberal arts and human values blend in a harmonious manner in facilitating nation building and a sustainable planet.

OBJECTIVES OF THE UNIVERSITY

The primary role of the University is to achieve following objectives.

- To impart quality education at U.G., P.G., M. Phil. and Ph. D. levels.
- To undertake scientific investigation and philosophical research activities in every sphere of its educational activities.
- To serve as a centre for promoting collaborative research works and intellectual exchange programmes among researchers and institutions in India and abroad.
- To create a universal outlook towards education based on ideals and values of everlasting ethos and inspirations.

MEMBERS OF THE SENATE

Under Section 9 (1) (a-k) of OU Act., 1989

Sl. No.	Name and address
1.	The Vice-Chancellor, North Orissa University, Takatpur, Baripada
2.	The Director, Higher Education, Odisha, Dept. of Higher Education, Heads of the Department Building, Unit-1, Bhubaneswar
3.	The Director of Medical Education and Training, Odisha, Bhubaneswar
4.	The Director, Technical Education, Odisha, Cuttack
5.	The Chairman, CHSE, Odisha, Bhubaneswar
6.	The Advocate General, Odisha, Cuttack
7.	The Chairman, P.G. Council, North Orissa University, Takatpur, Baripada
8.	HOD, Deptt. of Botany, North Orissa University, Takatpur, Baripada, Mayurbhanj
9.	HOD, Deptt. of Chemistry, North Orissa University, Takatpur, Baripada, Mayurbhanj
10.	HOD, Deptt. of Economics, North Orissa University, Takatpur, Baripada, Mayurbhanj
11.	HOD, Deptt. of Physics, North Orissa University, Takatpur, Baripada, Mayurbhanj
12.	HOD, Deptt. of Zoology, North Orissa University, Takatpur, Baripada, Mayurbhanj
13.	HOD, Dept. of Biotechnology, North Orissa University, Takatpur, Baripada, Mayurbhanj
14.	HOD, Dept. of Computer Application, North Orissa University, Takatpur, Baripada, Mayurbhanj
15.	HOD, School of Language, North Orissa University.
Under Section 9(1) (l) of OU Act., 1989	
16.	Dillip Kumar Singh, Principal, Kaptipada College, Kaptipada, Dist-Mayurbhanj
17.	Jagannath Mohapatra, Principal I/C, Anchalika Mahavidyalaya, Gadia, Dist-Mayurbhanj
18.	Ms. Mrudula Mohanty, Principal I/C, Joda Women's College, Joda, Dist-Keonjhar
Under Section 9(1) (r) of OU Act, 1989	
23.	Prof. Prafulla Kumar Mishra, Former Vice-Chancellor. At-Tapasya, 331/A, Sri Aurobinda Nagar (Infront of Old Care Hospital), Chandrasekharapur, Bhubaneswar-751016

MEMBERS OF SYNDICATE

Under Section 10 (1) (a), (b), (c), (j) & (k) of OU Act 1989

Sl.	Name and address
1.	Prof. Pradeep Kumar Chand Vice-Chancellor, North Orissa University, Baripada
2.	The Director Higher Education, Orissa, Bhubaneswar
3.	Prof. Susmita Kar Chairman, PG Council, North Orissa University
4.	Dr. Kshitishwar Dash, Retd. Principal, At-Fakir Mohan Nagar, Govt. I.T.I. (Back), Balasore-756001
5.	Prof. Jagannath Lenka, Professor of Economics, North Orissa University

MEMBERS OF ACADEMIC COUNCIL

Sl. No.	Name of the member	Under Section 11(1) (a-j) of OU Act 1989
	Under Section 11(1) (a-g) of OU Act, 1989	
1	Vice-Chancellor, North Orissa University	
2	The Director, Higher Education, Odisha, Bhubaneswar	
3	The Director of Medical Education and Training, Odisha, Bhubaneswar	
4	The Director, Technical Education, Odisha, Cuttack	
5	The Director, DDCE, North Orissa University	
6	The Chairman, CHSE, Odisha, Bhubaneswar	
7	The Chairman, PG Council, North Orissa University	
	Under Section 11(1) (h) of OU Act, 1989	
8	HOD, Deptt. Of Botany, North Orissa University	
9	HOD, Deptt. Of Chemistry, North Orissa University	
10	HOD, Deptt. Of Economics, North Orissa University	
11	HOD, Deptt. Of Physics, North Orissa University	
12	HOD, Deptt. Of Zoology, North Orissa University	
13	HOD, Deptt. Of Computer Application, North Orissa University	
14	HOD, Deptt. Of Biotechnology, North Orissa University	
15	HOD, School of Language, North Orissa University	
16	HOD, PG Deptt. Of English, MPC Auto College, Baripada	
17	HOD, PG Deptt. Of History, MPC Auto College, Baripada	
18	HOD, PG Deptt. Of Odia, MPC Auto College, Baripada	
19	HOD, PG Deptt. Of Philosophy, MPC Auto College, Baripada	

20	HOD, PG Deptt. Of Commerce, MPC Auto College, Baripada
21	HOD, PG Deptt. Of Political Science, MPC Auto College, Baripada
22	HOD, PG Deptt. Of Chemistry, DD Auto College, Keonjhar
23	HOD, PG Deptt. Of Geology, DD Auto College, Keonjhar
24	HOD, PG Deptt. Of Commerce, DD Auto College, Keonjhar
25	HOD, PG Deptt. Of Political Science, DD Auto College, Keonjhar
Under Section 11(1) (j) of OU Act, 1989	
26	Subrat Kumar Pattanayak, Principal (I/C), P. S. College, Suliapada, Mayurbhanj
27	Pradeep Kumar Nayak, Principal (I/C) Mayurbhanj College of Accountancy & Management, Baripada, Mayurbhanj
28	Pranati Barik, Principal (I/C), Panchpir +3 Women's College, Karanjia, Mayurbhanj
29	Chintamani Jena, Principal (I/C), Kushaleswar Anchalika Mahavidyalaya Rekutia, Keonjhar
30	Pradeep Kumar Mohanty, Principal (I/C), Patitapabana Mahavidyalaya Sainkul, Keonjhar
31	Pradeep Kumar Pahi, Principal (I/C), B.T. Women's Degree College, Chhenapadi, Keonjhar
32	Dr. Dhaneswar Das, Principal (I/C), P. M. Law College, Keonjhar

LIST OF COLLEGES AFFILIATED TO NORTH ORISSA UNIVERSITY

MAYURBHANJ DISTRICT

Sl. No.	CODE NO.	NAME & ADDRESS	Status
1.	01M	M.P.C. (Auto) College, Baripada	2(f) & 12(B)
2.	03M	RairangpurCollege, Rairangpur	2(f) & 12(B)
3.	04M	KaranjiaCollege, Karanjia	2(f) & 12(B)
4.	05M	UdalaCollege, Udala,	2(f) & 12(B)
5.	06M	Govt. Women's College, Baripada	2(f) & 12(B)
6.	07M	U. N. College, Nalagaja	2(f) & 12(B)
7.	08M	Seemanta Mahavidyalaya, Jharpokharia	2(f) & 12(B)
8.	09M	JashipurCollege, Jashipur	2(f) & 12(B)
9.	10M	BetnotiCollege, Betnoti	2(f) & 12(B)
10.	11M	BarasahiPanchayatSamitiCollege, Barasahi	2(f) & 12(B)
11.	12M	ChitradaCollege, Chitrada	2(f) & 12(B)
12.	13M	Anchalika Mahavidyalaya, Gadia	2(f) & 12(B)
13.	14M	SahidMemorialDegreeCollege, Manida	2(f) & 12(B)
14.	15M	Mahila Mahavidyalaya, Rairangpur	2(f) & 12(B)
15.	16M	B.B.College, Baiganbadia	2(f) & 12(B)
16.	17M	A.P.College, Raruan	
17.	18M	DhirajLalDegreeCollege, Bahalda	2(f) & 12(B)
18.	19M	MeghasanCollege, Nudadiha	2(f) & 12(B)
19.	20M	S.S. Mahavidyalaya, Kuamara	2(f) & 12(B)
20.	21M	U. B. S. Mahavidyalaya, Chaksuliapada	
21.	22M	KaptipadaCollege, Kaptipada	2(f) & 12(B)
22.	23M	LaxmikantaCollege, Bangiriposi	2(f) & 12(B)
23.	24M	Sri Maa Mahila Mahavidyalaya, Baripada	2(f) & 12(B)
24.	25M	I. G. Mahila Mahavidyalaya, Udala	2(f) & 12(B)
25.	26M	Anchalika Mahavidyalaya, Puruna Baripada	2(f) & 12(B)
26.	27M	SukruliDegreeCollege, Sukruli	2(f) & 12(B)
27.	28M	P.S.DegreeCollege, Suliapada	2(f) & 12(B)
28.	29M	Maa Basuli Mahavidyalaya, Thakurmunda	2(f) & 12(B)

29.	30M	Luipa Mahavidyalaya, Radho	2(f) & 12(B)
30.	31M	Mahatma Gandhi Mahavidyalaya, Baisinga	2(f)
31.	32M	Khunta Mahavidyalaya, Khunta	2(f) & 12(B)
32.	34M	Raghunath Mahavidyalaya, Kadadiha	
33.	37M	S. C. B. +3 Degree College, Ragdha	2(f) & 12(B)
34.	38M	Badampahad Degree College, Badampahad	2(f) & 12(B)
35.	40M	Kalinga College, Manada	2(f) & 12(B)
36.	41M	Bana Bhumi Mahavidyalaya, Rangamatia	
37.	42M	Panchapir +3 Women's College, Karanjia	2(f) & 12(B)
38.	43M	Jamda Anchalika Mahavidyalaya, Jamda	2(f) & 12(B)
39.	44M	Degree Gorumohisani Iron College, Gorumohisani	2(f)
40.	45M	R. D. S. Mahavidyalaya, Kundabai	2(f) & 12(B)
41.	46M	Baripada College, Baripada	2(f) & 12(B)
42.	47M	Kaptipada College, Nuasahi	2(f) & 12(B)
43.	48M	Ashutosh Maharaj College of Management & Technology	
44.	49M	CP Degree College, Bhanjia	
45.	50M	RK Degree College, Jamda, Bijatala	
46.	51M	Mayurbhanj College of Accountancy and Management, Baripada	2(f) & 12(B)
47.	52M	Biju Patnaik Degree College, Singada	
48.	53M	Sai Sadhana College of Basic Science, Divyasingpur, Udala	
49.	54M	Brilliance +3 Sc. College, Kailashchandrapur	
50.	55M	Prince (Degree) College of Science, Ramnagar, Moroda	
51.	56M	Sai Degree College, Baripada	
52.	57M	Sri Sai Sidhi +3 Sc. Residential College, Baripada	
53.	58M	Technoworld Degree College, Rairangpur	
54.	59M	Bishnu Residential College, Karanjia	
55.		Mayurbhanj College of Nursing, Prafulla Nagar, Baripada	
56.		Mayurbhanj College of Nursing, Indapahi, Baripada	
57.		Mayurbhanj Prem Kumari College of Nursing, Baripada	
58.		Mayurbhanj Law College, Baripada	
59.		Mayurbhanj Ayurveda Mahavidyalaya, Baripada	
60.		Mayurbhanj Homoeopathic Medical College and Hospital,	
61.		U.G.C.T.E., Baripada	
62.		Pandit Raghunath Murmu Medical College & Hospital,	

KEONJHAR DISTRICT

Sl. No.	CODE NO.	NAME & ADDRESS	Status
1.	01K	Dharanidhar (Auto) College, Keonjhar	2(f) & 12(B)
2.	02K	Anandapur College, Anandapur	2(f) & 12(B)
3.	03K	C.S.College, Champua	2(f) & 12(B)
4.	04K	T.T. Mahavidyalaya, Ghatgaon	2(f) & 12(B)
5.	05K	Govt. Women's College, Keonjhar	2(f) & 12(B)
6.	06K	Barbil College, Barbil	2(f) & 12(B)
7.	07K	K. M. Women's College, Anandapur	2(f) & 12(B)
8.	08K	Rimuli College, Rimuli	2(f) & 12(B)
9.	09K	Kusaleswar Anchalika Mahavidyalaya, Rekutia, Kochiandi	2(f) & 12(B)
10.	10K	Anchalika Mahavidyalaya, Hatadihi	

11.	11K	Anchalika Mahavidyalaya, Swampatna	
12.	12K	B.B. Mahavidyalaya, Harichandanpur	2(f) & 12(B)
13.	13K	Charigarh Mahavidyalaya, Telkoi	2(f) & 12(B)
14.	14K	P.S. College, Jhumpura	2(f) & 12(B)
15.	15K	Joda Women's College, Joda	2(f) & 12(B)
16.	16K	B.T. Women's College, Chhenapadi	2(f) & 12(B)
17.	17K	Baula +3 Degree College, Soso	
18.	18K	Mahapat Mahavidyalaya, Janghira	
19.	19K	Anchalika Mahavidyalaya, Padampur	2(f)
20.	20K	Jagannath Mahavidyalaya, Batto, Nayagarh	2(f) & 12(B)
21.	21K	Patitapaban Mahavidyalaya, Sainkul	2(f) & 12(B)
22.	22K	Regional Degree College, Udaypur	2(f) & 12(B)
23.	23K	Dadhibaman College, Turumunga	
24.	27K	Salabani G.P.College, Salabani	
25.	28K	Laxmi Narayan Degree College, Pipilia	2(f) & 12(B)
26.	29K	Santosi Maa Regional College, Jharbelda	2(f) & 12(B)
27.	30K	Patteswar Degree Mahavidyalaya, Suakati	
28.	31K	Raisuan Degree Mahavidyalaya, Raisuan	
29.	32K	Bruhaspati Degree College, Joda	
30.	33K	Gayatri +3 Sc. College, Keonjhar	
31.	34K	Gonasika +3 Sc. College, Keonjhar	
32.	35K	Kairali College of +3 Sc., Champua	
33.	36K	Keonjhar Degree Commerce College, Keonjhar	
34.	37K	Paramananda Degree College, Machinda, Salabani	
35.	38K	Viswa Vinayak Residential College, Khiraitangiri, Keonjhar	
36.		A.A. Training College, Fakirpr	
37.		Pravas Manjari Law College, Keonjhar	
38.		School of Rehabilitation and Social Sciences, Dhenkikote	

OFFICERS OF THE UNIVERSITY

Sl. No.	Name of the officers	Designation
1.	Prof. Pradeep Kumar Chand	Vice-Chancellor
3.	Prof. Pramoda Kumar Satapathy	Registrar
4.	Sri Nirmal Chandra Panda, OES-I	Controller of Examinations
5.	Sri Mayadhar Sahoo OFS (O)	Comptroller of Finance

SUCCESSION LIST OF OFFICERS

1. Vice-Chancellors

1.	Maj. K.P. Mohanty	12.07.1999	To	11.07.2000 AN
2.	Sri D.K. Singh (I/c)	11.07.2000 AN	To	14.09.2000 FN
3.	Dr. P.K. Mishra	14.09.2000 FN	To	18.01.2002 AN
4.	Prof. K.S. Behera (I/c)	18.01.2002 AN	To	19.02.2002 FN
5.	Prof. B.N. Puan	19.02.2002 FN	To	18.02.2005 FN
6.	Prof. S.K. Dutta (I/c)	18.02.2005 FN	To	03.03.2005 AN
7.	Prof. S. Nanda	03.03.2005 AN	To	03.03.2008 AN
8.	Prof. S.P. Rath	03.03.2008 AN	To	03.05.2011 AN
9.	Prof. (Mrs.) S. Mohanty	04.05.2011 FN	To	03.05.2015 AN

10.	Prof. Prafulla Kumar Mishra	13.06.2014 FN	To	12.06.2017 AN
11.	Dr. Akhil Bihari Ota (I/C)	12.06.2017 AN	To	31.08.2017 AN
12.	Prof. Pradeep Kumar Chand	01.09.2017 AN	To	

2. Chairman, P.G. Council

1.	Prof. S. K. Dutta	28.08.2004	To	05.06.2005
2.	Prof. U.B. Mohapatra	06.06.2005	To	31.05.2006
3.	Prof. (Mrs.) Mamata Swain	01.06.2006	To	19.02.2007
4.	Prof. B. Sahu	20.02.2007	To	31.05.2008
5.	Prof. N.N. Das	01.06.2008	To	31.05.2009
6.	Prof. J. Lenka	01.06.2009	To	31.05.2010
7.	Prof. U.B. Mohapatra	01.06.2010	To	31.05.2011
8.	Prof. S.K. Dutta	01.06.2011	To	31.05.2012
9.	Prof. B. Sahu	01.06.2012	To	31.05.2012
10.	Prof. N.N. Das	01.06.2013	To	08.07.2014
11.	Prof. J. Lenka	08.07.2014	To	03.06.2015
12.	Prof. Himabindu Maringanti	03.06.2015	To	31.05.2017
13.	Prof. N. Mohanty	01.06.2017	To	31.03.2018
14.	Prof. H. N Thatoi	31.03.2018	To	31.05.2018
15.	Prof. Susmita Kar	31.05.2018	To	

3. Registrar

1.	Dr. Kamalakanta Sen	19.07.1999 FN	To	30.06.2000 AN
2.	Sri Ashutosh Sahu (I/c)	30.06.2000 AN	To	02.10.2000 FN
3.	Dr. Debaprasad Nanda	02.10.2000 FN	To	16.12.2000 AN
4.	Sri Ashutosh Sahu (I/c)	16.12.2000 A N	To	16.03.2001 FN
5.	Dr. Haraprasad Panda	16.03.2001 FN	To	09.02.2006 FN
6.	Dr. Natabar Panigrahi	09.02.2006 FN	To	31.07.2009 AN
7.	Dr. Upendranath Sahu	31.07.2009 AN	To	22.05.2010 AN
8.	Dr. Laxmidhar Nayak(I/c)	22.05.2010 AN	To	07.03.2011 FN
9.	Mr. Madhusudan Sahoo	07.03.2011 FN	To	04.12.2014AN
10.	Dr. Laxminarayan Dash(I/c)	04.12.2014AN	To	27.07.2015 AN
11.	Dr. Pramoda Ku. Satapathy (I/c)	27.07.2015 AN	To	06.05.2016 FN
12.	Sri Sadananda Nayak, OAS(S)	06.05.2016 FN	To	31.07.2018 AN
13.	Sri Mayadhar Sahoo, OFS (S)	03.08.2018 FN	To	19.09.2018 FN
14.	Sri Asit Kumar Panda, OAS (S)	19.09.2018 FN	To	20.02.2019 AN
15.	Prof. Pramoda Kumar Satapathy	20.02.2019 AN		

4. Comptroller of Finance

1.	Dr. Haraprasad Panda (I/c)	17.05.2005 FN	To	17.09.2005 FN
2.	Dr. Jagannath Lenka (I/c)	17.09.2005 FN	To	09.03.2006 FN
3.	Sri Champei Baske, OFS-1	09.03.2006 FN	To	05.12.2008 AN
4.	Sri Surendranath Singh, OFS-1	05.12.2008 AN	To	08.01.2010 AN
5.	Dr. Upendranath Sahu(I/c)	08.01.2010 AN	To	01.02.2010 AN
6.	Dr. Lakshminarayan Dash (I/c)	01.02.2010 AN	To	08.11.2010 AN
7.	Sri Surendranath Soren, OFS (JR)	08.11.2010 AN	To	11.08.2014 FN
8.	Sri Sisir Kumar Das, OFS (JR)	11.08.2014 FN	To	30.05.2018 AN
9.	Sri Mayadhar Sahoo, OFS (S)	30.05.2018 AN	To	

5. Controller of Examinations

1.	Sri Ashutosh Sahu	26.07.1999 FN	To	20.06.2002 AN
2.	Sri Atal Bihari Nayak	20.06.2002 AN	To	20.06.2003 FN

3.	Dr. Haraprasad Panda (I/c)	20.06.2003 FN	To	11.12.2003 FN
4.	Dr. Parsuram Biswal	11.12.2003 FN	To	25.06.2007 AN
5.	Dr. Satyanarayan Satpathy	25.06.2007 AN	To	06.08.2009 AN
6.	Dr. Laxmidhar Nayak	06.08.2009 AN	To	01.10.2012AN
7.	Dr. Rabindra Kumar Sahu	01.10.2012 AN	To	13.09.2013 AN
8.	Dr. Bhajahari Nayak	13.09.2013 AN	To	01.08.2015 AN
9.	Dr. Susmita Kar (I/c)	01.08.2015 AN	To	09.9.2016 FN
10.	Dr. Pramoda Kumar Satapathy(I/c)	09.9.2016 FN	To	11.10.2017 FN
11.	Sri Nirmal Chandra Panda, OES-1	11.10.2017 FN	To	31.03.2019 AN
12	Dr. J. K. Mantra	01.04.2019 FN	To	

WARDEN

1.	Prof. U. B. Mohapatra	19.08.2004	To	31.05.2005
2.	Prof. Mamata Swain	01.06.2005	To	31.05.2006
3.	Prof. B. Sahu	01.06.2006	To	24.04.2007
4.	Prof. N. N. Dash	25.04.2007	To	31.05.2008
5.	Prof. J. Lenka	01.06.2008	To	31.05.2010
6.	Prof. S.K. Dutta	01.06.2010	To	20.07.2011
7.	Prof. B. Sahu	21.07.2011	To	11.06.2012
8.	Prof. N. N. Das	12.06.2012	To	03.06.2013
9.	Prof. J. Lenka	04.06.2013	To	02.08.2015
10.	Prof. Himabindu Maringanti	03.08.2015	To	14.07.2017
11.	Prof. N. Mohanty	15.07.2017	To	31.05.2018
12	Prof. P.K. Satapathy	01.06.2018	To	Continuing

TEACHING STAFF OF REGULAR DEPARTMENTS

Sl. No.	Name of the Department	Name of the faculty	Designation
1.	BIOTECHNOLOGY	Prof. H.N. Thatoi	Professor
		Dr. Biswajit Rath	Reader and HOD
		Dr. Sukanta Kumar Nayak	Reader
		Dr. Santosh Kumar Sahu	Asst. Professor
		Dr. Gunanidhi Dhangdamajhi	Asst. Professor
		Mr. Rudra Narayan Munda	Asst. Professor
2.	BOTANY	Prof. Umaballava Mohapatra	Professor (on deputation)
		Dr. Anil Kumar Biswal	Professor
		Dr. Akshaya Kumar Bastia	Professor
		Dr. Kamal Lochan Barik	Asst. Professor
		Dr. Bishnupriya Hansdah	Asst. Professor
		Dr. Sudam Charan Sahoo	Asst. Professor
3	CHEMISTRY	Prof. Pramod Kumar Satapathy	Professor
		Dr. Rajesh Kumar Singh	Reader & HOD
		Dr. Lingaraj Behera	Asst. Professor
		Dr. Amar Kumar Dora	Asst. Professor
		Dr. Ashish Kumar Jena	Asst. Professor
4.	COMPUTER APPLICATIONS	Prof. Himabindu Maringanti	Professor and HOD
		Dr. Jibendu Kumar Mantri	Reader
		Dr. Sujata Dash	Reader
		Dr. Prasanta Kumar Swain	Asst. Professor
		Mr. Swarupananda Bissoyi	Asst. Professor

5.	ECONOMICS	Prof. Jagannath Lenka	Professor
		Dr. Lakshminarayan Dash	Associate Professor (on Lien)
		Dr. Aditya Kumar Patra	Reader & HOD
		Dr. (Mrs.) Minati Mallick	Asst. Professor
		Dr. (Mrs.) Kabita Kumari Sahu	Asst. Professor
		Dr. Pratap Kumar Jena	Asst. Professor
6.	PHYSICS	Prof. Susmita Kar	Professor
		Dr. Priyadarshini S. Sahoo	Reader & HOD
		Dr. Indrajit Naik	Asst. Professor
		Dr. Pravanjan Mallick	Asst. Professor
		Dr. Jyoti Ranjan Sahu	Asst. Professor
7.	ZOOLOGY	Prof. Nakulananda Mohanty	Professor
		Dr. Hemanta Kumar Sahu	Professor
		Dr. (Mrs.) Puspanjali Parida	Reader & HOD
		Dr. Priyaranjan Debata	Asst. Professor
		Dr. (Mrs.) Cuckoo Mohapatra	Asst. Professor
		Dr. (Mrs.) Gargee Mohanty	Asst. Professor
8.	Sanskrit	Dr. Hiralal Dash	Asso. Professor
		Dr. (Mrs.) Nibedita Pati	Asst. Professor
9.	English	Mr. Shaswat Panda	Asst. Professor
10.	Santali	Dr. Jatindra Nath Besra	Asst. Professor
11	Odia	Dr. Babrubahan Mahapatra	Assoc. Professor
		Dr. Sisira Behera	Asstt. Professor

TEACHING STAFF OF SELF FINANCING COURSES

Sl. No.	Name of the Department	Name of the faculty	Designation
1	Anthropology & Tribal Studies	Dr. Madhusmita Sahoo	Asst. Prof.
2	Business Administration	Dr. Sitaram Das	Asst. Prof.
		Dr. Kalpana Panigrahi	Asst. Prof.
		Sri Smruti Ranjan Das	Asst. Prof.
3	Master in Library and Information Science	Dr. Nabin Kumar Sahu	Reader
		Ms Sasmita Nayak	Asst. Prof.
5	Mater in Social Work	Mr. Suvendu Kumar Satpathy	Asst. Prof.
		Miss. Rashmirekha Rout	Asst. Prof.
		Dr. P. Dillip Mishra	Asst. Prof
6	Mathematics	Ms Smutilekha Das	Asst. Prof.
		Ms Sanjukta Mohanty	Asst. Prof.
		Mr. Lambodar Mohanty	Asst. Prof.
7	Remote Sensing & GIS	Mr. Debabrata Nandi	Asst. Prof.
8	Wild Life & Biodiversity Conservation	Dr. Sruthidhara Rout	Reader
		Dr. Rabindra Ku Mishra	Reader
9	Odia	Dr. Bichitranath Sahoo	Asst. Prof.
		Ms Ranjita Patra	Asst. Prof.
10	Santali	Guest Faculty	
11	English	Ms Shabnam Parveen	Asst. Prof.
		Mr. Shakti Sankar Dandapat	Asst. prof.
12	School of Education (Integrated B.Ed M.Ed/ Education)	Dr. Samir Ku Lenka	Prof-Prin.
		Dr. Ramesh Parua	Reader
		Mr. Rajkishore Roul	Asst. Prof.
14	Hindi	Ms Sasmita Pani	Asst. Prof.
		Ms Debashree Dhal	Asst. prof.
15	Yoga & Naturopathy	Mr. Jitendra Parida	Asst. Prof

16	M.Sc. Computer Science	Dr. P.S. Mishra	Asst. Prof
		Mr. S.S. Basa	Asst. Prof
		Ms. Meenakhi Sahu	Asst. Prof

NON-TEACHING STAFF

Sl. No.	Name of the staff	Designation	Name of the section/Work Assigned
1	Sri Jnanendra Kumar Sethi	Asst. Registrar	
2	Sri Khirod Ch. Malick	Asst. COE (Contl.)	Examination
3	Sri Satish Chandra Mohanta	Security Officer	
4	Sri Ramakanta Mohanta	P.S. to V.C.	VC's Secretariate
5	Sri Naliniranjan Das	PA	PG Council Office
6	Sri Upendra Tudu	PA	Attached to Registrar
7	Sri Debendra Ku. Pati	SO	Establishment, Affiliation
8	Sri Subash Chandra Gagrai	SO	NOU Extension Campus, Keonjhar
9	Sri Hiranya Ku. Mahanta	Sr. Asst.	Examination Section
10	Sri Sanjib Kumar Tanti	Sr. Asst.	Store, Sports Council, Ladies Hostels
11	Sri Dipak Ku. Panigrahi	Sr. Asst.	Dept. of Biotechnology
12	Sri Sasadhar Nayak	Sr. Asst. (Contl.)	Accounts-II, DDCE Accounts
13	Sri Ram Chandra Nandi	Sr. Asst. (Contl.)	Accounts-I
14	Sri Gajendra Prasad Das	Sr. Asst. (Contl.)	Establishment, Scholarship
15	Santosh Kumar Patra	Int. Auditor (Contl.)	Accounts-I
16	Sujata Chakra	Asst. Librarian	Library
17	Sri Pradeep Baral	Jr. Steno	Examination Section
18	Sri Ujit Kumar Das	Jr. Steno	Attached to COE
19	Sri Rama Chandra Baske	Jr. Steno	Attached to COF/ Accounts-1
20	Sri Satyanarayan Mohanty	Jr. Asst.	PG Council Office
21	Sri Joygobindo Pani	Jr. Asst.	Development, CDC, NAAC, AISHE
22	Sri Tapan Kumar Patra	Jr. Asst.	Examination Section
23	Smt. Sunita Tudu	Jr. Asst.	Establishment Section
24	Smt. Sasmita Patra	Jr. Asst.	DDCE
25	Ms Abhilasa Ram	Jr. Asst.	Accounts Receipt
26	Sri Ajay Kumar Bal	Jr. Asst.	Accounts-I
27	Ms Mousumi Ghosh	Jr. Asst.	SFC Office
28	Pradip Kumar Dwibedi	Jr. Asst.	Library
29	Sri Harish Chandra Pati	Jr. Asst.	Examination Section
30	Sri Bhabani Shankar Mohanta	Lab. Tech.	Dept. of Chemistry
31	Sri Srikrushna Mohanta	Lab. Tech.	Dept. of Physics
32	Ms Jyoti Pragyan Majhi	Lab. Tech.	Dept. of Zoology
33	Ms Nilima Tripathy	Compounding Asst.	Dept. of Chemistry
34	Smt. Bhagabati Panda	Matron	Ladies Hostels
35	Sri Pradipta Ranjan Dash	PET	PG Athletic
36	Sri Manas Kumar Acharya	Typist	Development/ Repair & Maintenance
37	Sri Purna Chandra Behera	Driver	V.C. Secretariat
38	Sri Sadananda Behera	Peon	P.G. Dept. of Economics
39	Sri Shibaprasad Mohanta	Peon	Accounts-I
40	Sri Jnana Ranjan Parichha	Peon	Office of the P.G.C.
41	Sri Upendra Samal	Peon	Accounts Receipt
42	Sri Kishore Chandra Mukhi	Watchman	Office of the Registrar
43	Smt. Kabita Panda	Peon(Contractual)	Library
44	Smt. Arati Jena	Peon(Contractual)	Library
45	Ms Susama Bag	Peon(Contractual)	SFC Office

46	Sri Pitambar Nayak	Peon(Contractual)	VC's Residence
47	Smt. Kalparekha Sing	Peon(Contractual)	Examination Section
48	Sri Ranjit Sing	Peon(Contractual)	Accounts-1
49	Rajani Majhi	Peon (Contractual)	Establishment
50	Sri Rama Chandra Mukhi	Watchman-cum-Sweeper(Cont.)	Administrative Block (1 st Floor)
51	Sri Pradip Kumar Behera	Watchman-cum-Sweeper(Cont.)	Guest House
52	Sri Himansu Shekhar Mohanta	Watchman-cum-Sweeper(Cont.)	V.C.'s Secretariat
53	Sri Ruhya Marndi	Watchman-cum-Sweeper(Cont.)	Dept. of Botany

OTHER CONTRACTUAL OFFICIALS

1	Er. Gajendra Nath Behera	NOU Engineer (Contl.)	
2	Dr. Parthasarathi Jena	Medical Officer (Contl.)	
3	Dr. Manjula Mahanta	Medical Officer (Contl.)	
4	Sri Ramesh Chandra Maharana	Technical Consultant (Horticulture) (Contl.)	

REGISTRAR'S REPORT

The North Orissa University was started functioning from 13th July 1998. Every year on 13th of July we observed the University Foundation Day and we are going to observe our 22nd Foundation Day in 2019. On this occasion a brief report on overall activities of the University is presented here.

There are two campuses of North Orissa University. The first campus is in Takatpur Baripada of Mayurbhanj district, having a total land area of 98 acres and 84 decimals and the second campus is at Suleikhamar of Keonjhar district with a land area of 13 acres and 5 decimals. There are 100 Degree Colleges, three Autonomous Colleges, one Medical College, one Homeopathy Medical College, one Ayurvedic Medical College, two B. Ed Colleges, one special B. Ed College and 5 Nursing Colleges under its jurisdiction.

At present there are 8 numbers of regular P.G. Departments, 15 Self-Financing Departments running in Baripada Campus and 5 regular P.G. Departments functioning in Keonjhar Campus. In this academic session of 2018-19, a total number of 841 candidates enrolled into P.G. courses while 69 students enrolled into M. Phil curriculum and 82 applicants admitted in Pre-Ph. D coursework programmes. Eight more regular P.G. courses have got government approval and at the same time the Govt. has asked to recruit regular faculties against the sanctioned posts as early as possible.

Directorate of Distance Education Cell of North Orissa University is imparting 4 number of UGC recognized courses through 18 recognized centres. A total of 766 students have admitted into these courses to pursue their studies.

State Government has given a financial grant of Rupees 12, 5000/- (Twelve lakhs and fifty thousand) towards the establishment, development and functioning of Civil Service Coaching Centre at the main campus of the University. Apart from this the State Govt has also sanctioned Rs. 2 crores to develop an Outdoor stadium and a grant of Rs 5 crores for the construction of buildings and other infrastructural requirements of Keonjhar Campus. Rastriya Uchchatar Sikhya Anudan (RUSA) has given an amount of Rs 3 crores for various developmental work of the University. All the sanctioned financial grants has been spent under different approved heads taking utmost care for its judicious and timely utilization.

Our university has also been selected by the World Bank to get an amount of Rs 20 crores for Development of the University through the Infrastructural Developmental Project (IDP).

The academic standards of this University are high. Assistant Professors, Associate Professors and Professors are getting research grants from various prestigious funding agencies like UGC, CSIR, DST, DBT etc. Our University is affiliated with various educational institutes of International repute. On account of excellence in research, P.G. Department of Chemistry and Biotechnology have received financial grants of R 83 lakhs and 50 lakhs respectively, through DST- FIST programme.

Recently, our Honourable Vice- Chancellor Pro. P. K. Chand has been conferred with the prestigious *Prana Krushna Parija Award* for his excellence in research and academics. Similarly, Dr Kamal Lochan Barik of P.G. Department of Botany has been bestowed with National Ecological Research Excellence Award and World Peace Excellence Award. Dr. Barik has also awarded Honourary D.Lit degree from United Nations University for Global Peace, USA.

The NSS Bureau of North Orissa University is very vibrant. During the period of 2018-19 it has organized a number of events like free Eye check - up camps, Youth Parliament, celebrations of 150th birth anniversary of Mahatma Gandhi. On the occasion of celebration of 150th birth anniversary of Gandhiji, a Photo-gallery showcasing the events related to Gandhiji's life was inaugurated by His Excellency Hon'ble Governor of Orissa and Chancellor, Prof. Ganeshi Lal. The free Eye check up camp was also inaugurated by him on the same day. This year five NSS volunteers of our University under the supervision of Dr Devesh Hota, NSS Programme Officer, Seemant Mahavidyalaya Jharpokharia participated in the Republic Day Parade at New Delhi. One of our young female NSS volunteer, Ms. Dibyani Behera was selected to represent our University and our country in the International Youth Exchange Programme, held at China.

Dr Shisir Kumar Behera, Assistant Professor of Odia of Keonjhar Campus has enhanced the glory of our University by receiving the Kendra Sahitya Academy Youth Award. Beside this, our Assistant Professors, Associate Professors and Professors from different Departments have been awarded by representing their research works in different International Forums.

Students of different Departments have also qualified the National level tests like NET and GATE and have thus found opportunity in enrolling themselves into higher studies in different prominent National institutes like IIT, NISER, TIFR, IISC etc. Ms Rubi Ray of MCA department has been selected to join in Take Mahindra and Ms Dibya Das of P.G. Department of Chemistry has been awarded research grant from BEST-Foundation Germany to carry out her research in chemistry. These students have glorified North Orissa University through their achievements and we feel proud for them.

Our University have been strictly following Academic Calendar for which we are able to publish the result in time. The pass percentage for the year 2018-19 in +3 Arts, science and Commerce is 73.18, 69.75 and 51.16 respectively. Likewise for P.G. courses the pass percentage is 90.60 and for LLB and B. Ed, it is 99.09% and 75.53% respectively. During the session 2018-19 twenty eight (28) scholars have been awarded Ph. D degrees and 36 students are still pursuing their research in various subjects. In this year we have published the P.G. results within a record time of 17 days from the date of completion of P.G. Examinations. We are also providing Grade sheet and Provisional Certificates in time.. Accepting the proposal of our honourable Vice – Chancellor we are going to provide Rolling Answer Scripts with 32 pages to students for writing their exams papers from 2019-20 onwards. No additional will be provided to the students and hence it will be helpful for the examination cell in coding process.

Like every year this year also we are going to honour and felicitate two eminent personalities; one from Mayurbhanj District and another from the district of Keonjhar as son of the soil. These two personalities are

- i. Mr. Nimai Mohanty, renowned Odia poet and lyricist from the district of Mayurbhanj.
- ii. Dr Bimbadhar Behera, an outstanding Odia laureate and researcher of Keonjhar.

In the same way this year we are going to confer Kumudini Memorial Award to Ms Dipanita Singh of P.G. Department of Zoology for securing highest marks in P.G. Examinations of Zoology.

For the session 2018-19 following programme officers, volunteers and NSS Units have been selected to receive their award on 22nd Foundation day.

Best Programme Officer

- i. Mrs. Sucharita Behera- SCB Degree College, Ragdha
- ii. Mr. Dilip Kumar Pramanik – RDS College, Kundabai.

Best Volunteers

- i. Ms Dibyani Behera- M.P.C (Autonomous) College, Baripada
- ii. Mr. Prabhanjan Mandal – Seemanta Mahavidyalaya, Jharpokharia.
- iii. Mr. Deepak Kumar Mishra – RDS College, Kundabai
- iv. Mr. Salman Sahu – NSS P.G. unit (Male), NOU

Best Unit:-Mayurbhanj College of Accountancy and Management

Appreciation

- i. Ms. Namita Behera – Anchalika Mahavidyalaya, Gadia
- ii. Mr. Prafulla Kumar Mohanta – NSS P.G. Unit, NOU

Every year North Orissa University organizes the Vice-Chancellors Cup debate competition in Odia and English and the winners have been awarded in the Foundation Day. This year Mr. Dibyajyoti Das of P.G. Department of Physics and Mr. Bibhuti Bhusan Acharya of Integrated B. Ed bagged the first prizes for English and Odia Debate competition respectively. Amongst the non – teaching staff members of this university, Abhilasa Ram has been selected as the best staff for the present year. This Year the University decided to release a postal cover inscribing the name of North Orisa University by Dr. Santosh Kumar Kamila, the Head Post Master General, Bhubaneswar on the occasion of celebration of 22nd Foundation Day. It is also decided to release a Newsletter highlighting the achievements and different activities of our University. Besides this we will also take the opportunity to release two books printed by our University.

- i. Odia Sahitya Bikashre Mayurbhanj – by Dr Kabita Barik, Reader in Odia, MPC (Auto) College, Baripada.
- ii. Biotechnology for sustainable Utilization of Bioresources – by Prof. H. N. Thatoi, Professor of Biotechnology and Dr. S. K. Nayak, Reader in Biotechnology.

Every Year students of North Orissa University participate in different categories of Inter University sports competitions. In the present academic year our students represented themselves in 10 different Inter University sports tournaments such as Cricket, Badminton, Male and Female Volley Ball, Kabbadi, Archery, Athletics, Chess and Football. The Volley Ball team of our University was qualified to represent Eastern Zone at National level.

With the set of goals, missions and far sightedness of all the former Vice – Chancellors North Orissa University is heading towards achieving new milestones in both academics and other fields. Presently, with the direction of Vice- Chancellor Prof. Pradeep KumPr Chand, we have got a new momentum to set and achieve fresh targets.

To achieve these new set of goals I wish every employee of North Orissa University to accelerate their performance through hardworking and cooperation. To achieve academic excellence in both research and teaching I request all academicians of this University to carry out their research and academic activities meticulously and flawlessly.

Registrar
North Orissa University

AMINISTRATION

There are 33 sections in the University to deal with day-to-day activities and to cater to the needs of the students, staff, teachers, research scholars and affiliated Colleges.

1. Establishment-I (Teaching)

- To deal with the service matter of teaching staff and officers of the University including recruitment and maintenance of service records.

2. Establishment-II (Non-teaching)

- To deal with the service matter of ministerial staff and other establishment related works of University including recruitment and maintenance of service records.
- Allotment of quarters to staff members.

3. Affiliation

- To comply with all matters related to affiliation.

4. Store

- To invite quotations and tenders for requisite purposes and place it before purchase committee for finalization.
- To place order for supply of the material to the selected firms.
- To maintain stock and store
- To conduct annual stock and store verification
- To issue articles to different sections/officers.
- To deal with matters related to exemption of central excise duties/ State excise duty during purchase.
- To take action for condemnation of unserviceable and damaged articles

5. Compliance Section (Registrar)

- To deal with the confidential matters of the Office of the Registrar.
- To comply the letters/ queries from the Chancellors' Office, Department of Higher Education, MHRD and UGC etc.

6. Legal Section (Registrar)

- To deal with settlement of disputes.
- Work of filing the cases and preparation of para-wise comments.
- To deal with matters relating to RTI.

7. Accounts-I (Salary)

- Preparation of salary bills.
- To comply with the statement of Block Grants received from State Government on salary, pay fixation.
- To prepare arrear bills, pay fixation, to deposit IT, PT, GPF etc.
- To deal with pension.

8. Accounts-II (Receipt)

- To receive all types of Bank Drafts, Banker's Cheques, Challan and Cash of University.
- Maintenance of DCR and analysis of receipts.
- Issue of sanction order.

9. Accounts-III (Disbursement)

- To disburse the sanctioned amount to the party after receiving the sanction orders from Accounts-II.
- To maintain the cash books and other registers relating to payment.
- To remain the custodian of all the paid vouchers

10. Accounts-IV (Bill)

- To scrutinize all the bills/ vouchers submitted for adjustment against the advance taken by various purposes.
- To sanction amount against the pre-paid bills.

11. Examination Accounts

- To sanction advances for all purposes such as conducting of examinations, valuations and other purposes required from time to time.
- To sanction and release of grant to COE for different purposes and adjustment of bills against the advance taken by COE.

12. Confidential-I (U.G.)

- Question paper setting.
- Printing and distribution of questions.

13. Confidential-II (P.G.)

- Question paper setting.
 - Printing and distribution of questions.
- 14. Confidential-III (M. Phil., Ph. D.)**
- Question paper setting.
 - Printing and distribution of questions.
- 15. Confidential-IV (Law, Education, Medicine, Distance and Continuing Education)**
- Question paper setting.
 - Printing and distribution of questions.
- 16. Confidential-V (BOS)**
- To deal with Board of Studies and Examination Committee of all examinations.
 - To place the recommendations of the above boards to the concerned higher authorities.
- 17. Examination-I (P.G.)**
- To fix dates for filling up of application forms and examinations.
 - To prepare CNR and issue of admit cards.
 - Valuation of answer scripts and publication of results.
- 18. Examination-II (U.G.)**
- To fix dates for filling up of application forms and examinations.
 - To prepare CNR and issue of admit cards.
 - Valuation of answer scripts and publication of results.
- 19. Examination-III (M. Phil., Ph. D.)**
- To fix dates for filling up of application forms and examinations for M. Phil.
 - To prepare CNR and issue of admit cards.
 - Valuation of answer scripts and publication of results.
 - To deal with all matters related to Ph. D. like Entrance Test, Registration, SRC, RCU and Evaluation of thesis and notification regarding award of Ph. D.
 - To deal with matters related D. Sc. and D. Litt.
- 20. Examination-IV (Law, Education, Medicine, Distance and Continuing Education)**
- To fix dates for filling up of application forms and examinations.
 - To prepare CNR and issue of admit cards.
 - Valuation of answer scripts and publication of results.
 - To keep records of students enrolled, appeared and passed (year-wise data) for all the above examinations by respective examination sections.
- 21. Academic**
- To prepare syllabi for different courses (U.G., P.G., M. Phil., Law, Education etc.)
 - To place the same before Academic Council for approval.
 - To prepare a list of equivalence of syllabi of different courses of this University with other Universities.
- 22. Certificate**
- Issue of mark sheets, provisional/original certificates to different Colleges and P.G. departments.
 - To deal with return of CHSE, issue of registration receipt and migration certificate.
 - To keep statistics of male and female students under different categories/caste.
 - College/Universities transfer cases.
 - Correction of mark sheets and certificates.
 - Verification and authentication work.
- 23. Development-I (Liaison with UGC, NAAC and others)**

- To deal with all matters related to UGC/NAAC of University and all affiliated Colleges.
- To prepare budget and estimate for different Five-year plans for submission to UGC.
- To prepare plan and proposals for submission to different funding agencies.
- To prepare utilization certificate and statement of accounts of the grants received.
- To comply matters related to NAAC.

24. Development-II (Building and Construction)

- To deal with infrastructural development of the University.
- To make plan and estimate of the buildings.
- To issue work orders to different agencies.
- To look after the supply of electricity and water.

25. Development-III (Maintenance)

- To deal maintenance/repairing of buildings and other civil works.

26. Budget-cum-Account

- To prepare Annual Budget and Statement of Accounts of the University.
- To comply the audit reports.
- To place Budget before the Senate and Syndicate.

27. Students' Welfare Section

- To conduct different inter-College and inter-University sports.
- To conduct Chancellor's Debate and other debates and competitions.
- To conduct NET, GATE and other related examinations.
- To deal with Fellowship of Research Scholars.
- To deal with the projects and proposals submitted by the faculty members to different funding agencies.
- Issue of Student Pass 'for to and fro' journey.
- To deal with students' welfare fund, if any.

28. P.G. Council (General)

- To fix dates for issue and receipt of application forms for admission into different courses of University available at NOU Campus.
- To scrutinize applications and conduct entrance test (if any) for the above purpose to prepare a merit list.
- To issue Identity Card, Time Table, Syllabus, ULC and Conduct Certificate.
- To deal with examination matters.
- To deal with N.S.S. of P.G. units.
- To deal with cultural activities, DSA, SSG etc.

29. P.G. Council (Accounts)

- Collection of admission/re-admission fees, tuition fees, fines (if any) and other fees.
- Disbursement of scholarships to students.
- Disbursement of funds to different P.G. departments (if collected).
- Collection of hostel dues.

30. S.F.C. (Accounts)

- Collection of admission/re-admission fees, tuition fees, fines (if any) and other fees.
- Collection of Hostel fees.
- Payment of Salary and others.

31. U.G.C & R.U.S.A.

- To deal with UGC & RUSA matters.
- Finalise the Utilization Certificate

32. Sports Council & P.G. Athletic Club

- To deal with all sports activities of all Colleges & University.
- Inter University sports activities.

33. Grievance Cell

- To deal with the grievance of staff/ students.

MEMBERS OF VARIOUS COMMITTEES

Sl. No.	Name of the Committee	Members
1.	Tender Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate-Chairman 2. Registrar-Member 3. Comptroller of Finance-Member 4. Development Officer-Convenor
2.	Purchase Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate-Chairman 2. Registrar-Member 3. Comptroller of Finance-Member 4. Officer-in-Charge, Store-Convenor
3.	Gold Medal Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate-Chairman 2. Registrar-Member 3. Comptroller of Finance-Member 4. Controller of Examinations-Convenor 5. Officer-in-Charge, Store-Member
4.	Library Committee	1. Vice-Chancellor-Chairman 2. Chairman, P.G. Council & Ex-officio Member, Syndicate-Member 3. Director, SFC 4. All Heads of Regular Departments 5. Professor-in-Charge of Library-Convenor 6. Comptroller of Finance
5.	Canteen Committee	1. Registrar 2. Comptroller of Finance 3. Assistant Registrar 4. Assistant Engineer
6.	Accommodation & Space Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate-Chairman 2. Director, SFC 3. Registrar-Convenor 4. All Heads of Regular Departments
7.	Security Committee	1. Vice-Chancellor-Chairman 2. Chairman, PG Council 3. Director, SFC 4. Registrar-Convenor 5. All Heads of Regular Departments 6. Warden of Hostels 7. Development Officer 8. Students' Welfare Officer
8.	UGC Committee	1. Vice-Chancellor-Chairman 2. Chairman, PG Council 3. All Heads of Regular Departments 4. Registrar-Convenor 5. Professor-in-Charge of UGC Matters

		6. Comptroller of Finance 7. Development Officer
9.	Administrative/ Efficiency Audit Committee	1. Vice-Chancellor 2. Chairman, P.G. Council 3. Registrar-Convenor 4. Comptroller of Finance 5. Controller of Examinations
10.	Academic Audit Committee	1. Vice-Chancellor-Chancellor 2. Chairman, P.G. Council-Convenor 3. Director, SFC 4. Director, DDCE
11.	Wage Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate 2. Registrar-Convenor 3. Controller of Finance 4. Director, SFC
12.	Website Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate 2. Professor-in-Charge of Computer Centre 3. HOD, Computer Application 4. Registrar-Convenor 5. Controller of Examinations
13.	Publication Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate 2. Director, SFC 3. Registrar-Convenor 4. Director, DDCE
14.	Diary Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate 2. Director, SFC 3. Registrar-Convenor 4. Comptroller of Finance 5. Officer-in-Charge, Stores
15.	DDCE Working Committee	1. Chairman, P.G. Council & Ex-officio Member, Syndicate 2. Director, DDCE-Convenor 3. Deputy Director, DDCE 4. Controller of Examinations

ACADEMICS

North Orissa University is primarily concerned with affiliation, teaching and research activities. There are 93 Colleges affiliated to this University including 03 Autonomous Colleges, out of them 57 Colleges belong to Mayurbhanj District and 36 Colleges belong to Keonjhar District. General education is being imparted by 84 Colleges and 9 Colleges provide professional education. There are 58 Colleges which come under 12(B) of UGC Act 1956 and 3 Colleges under 2(f). There are 7 Govt. Colleges and 80 Govt. Aided and Private Colleges. The University offers U.G., P.G., M. Phil., Pre-Ph.D. and Ph. D. programmes in the following subjects.

REGULAR COURSES

1. M. Sc. and M. Phil in Biotechnology
2. M. Sc. and M. Phil. in Botany
3. M. Sc. and M. Phil. in Chemistry
4. M. Sc. and M. Phil in Computer Science & Application
5. M. A. and M. Phil. in Economics
6. M. Sc. and M. Phil. in Physics
7. M. Sc. and M. Phil. in Zoology
8. M.A. and M.Phil in Sanskrit
9. M.A. and M.Phil in Odia

10. M.A. and M.Phil in English
11. M.A. in Santali

SELF FINANCING COURSES

1. M. Sc. in Wildlife and Biodiversity Conservation
2. Master in Business Administration (M.B.A.)
3. M.A./M. Sc. in Anthropology and Tribal Studies
4. Master in Library and Information Science
5. M. Sc. in Remote Sensing & GIS
6. Master in Social Work
7. M.Sc. Computer Science
8. MA in English
9. MA in Education
10. MA in Mathematics
11. MA in Odia
12. MA in Santali
13. MA in Sanskrit
14. MA in Hindi
15. MA/M. Sc. in Yoga and Naturopathy
16. Integrated B.Ed-M.Ed.
17. M.Tech.(Computer Science & Engineering)

M. PHIL. IN SELF FINANCING COURSES

1. M. Phil. in Education
2. M. Phil. in English
3. M. Phil. in Oriya
4. M. Phil. in Sanskrit
5. M. Phil in ATS
6. M.Phil in Library & Information Science

COURSES IN DISTANCE LEARNING MODE

1. P.G.D.C.A.
2. B.A., B.Com.
3. M.A. in Political Science, History, Education, English, Anthropology, Sanskrit, Odia, Sociology, Social Work, Economics and PMIR
4. MBA, MCA
5. Bachelor in Library and Information Science etc. (Total 17 Nos.)

Ph. D.

1. Botany
2. Biotechnology
3. Chemistry
4. Commerce and Management
5. Computer Science & I.T.
6. Economics
7. Education
8. English
9. Geology
10. History
11. Law
12. Life Sciences
13. Mathematics
14. Oriya
15. Philosophy
16. Physics
17. Political Science
18. Sanskrit
19. Zoology

ENROLLMENT POSITION OF STUDENTS-2018-19

A.DEMAND RATIO

SL.No.	Programme Code	Programme Name	Number of seats available/ Sanctioned	Number of eligible applications received	Number of Students Admitted
Academic Session 2018-2019					
1	M.A./M.Sc.-ATS	M.A./M.Sc. Anthropology and Tribal Studies	30	41	22
2	M.Sc.-BT	M.Sc. Biotechnology	30	115	29
3	M.Sc.-BOT	M.Sc. Botany	30	493	30
4	M.Sc.-CH	M.Sc. Chemistry	30	557	28
5	MCA	Master Computer Application	30	29	29
6	M.Sc.-CS	M.Sc. Computer Science	30	69	30
7	M.A.-ECO	M.A. Economics	40	194	40
8	M.A.-ENG	M.A. English	60	118	42
9	M.Sc.-GL	M.Sc. Geology	30	111	30
10	M.Sc.-MS	M.Sc. Material Science	30	18	13
11	M.A.-ODI	M.A. Odia	90	315	90
12	M.Sc.-PHY	M.Sc. Physics	30	563	30
13	M.A.-SANS	M.A. Sanskrit	90	172	58
14	M.A.-SNT	M.A. Santali	30	49	25
15	M.Sc.-WLBC	M. Sc. Wildlife and Biodiversity Conservation	20	56	19
16	M.Sc.-ZO	M.Sc.Zoology	30	659	30
17	MBA	Master of Business Administration	30	30	30
18	M.A./M.Sc.-IBM	Integrated B.Ed. & M.Ed.	50	599	50
19	M.A.-EDN	M.A. Education	60	138	49
20	M.A./M.Sc.-MATH	M.A/M. Sc. Mathematics	60	202	60
21	MSW	M.A. Social Work	40	45	18
22	M.A.-HN	M.A. Hindi	30	29	16
23	MLIS	Master Library & Information Science	30	72	29
24	M.Sc.-RSGIS	M.Sc. Remote Sensing & GIS	30	61	30
25	M.A./M.Sc.-YN	M.A./ M.Sc. Yoga and Naturopathy	30	42	18
			990	4777	845

B.CATEGORY WISE ENROLEMENT

Sl. No.	Programme Name	for reserved category as per GOI or State Government					Number of Students admitted from the reserved category									
		SC	ST	OBC	Gen	Others	SC		ST		OBC		Gen		Others	
							M	F	M	F	M	F	M	F	M	F
Academic Session 2018-2019																
1	M.A./M.Sc. Anthropology and Tribal Studies	5	7	0	16	2	1	0	2	3	2	7	1	6	0	0
2	M.Sc. Biotechnology	5	7	0	16	2	1	1	1	1	1	5	7	12	0	0
3	M.Sc. Botany	5	7	0	16	2	1	4	3	4	2	7	2	5	1	1
4	M.Sc. Chemistry	5	7	0	16	2	0	4	2	2	3	2	7	7	0	1
5	Master Computer Application	5	7	0	16	2	0	0	0	0	2	4	13	10	0	0
6	M.Sc. Computer Science	5	7	0	16	2	0	0	1	0	5	9	5	10	0	0
7	M.A. Economics	7	9	0	22	2	2	4	4	4	6	9	6	5	0	0
8	M.A. English	10	14	0	33	3	1	1	2	1	6	7	10	14	0	0
9	M.Sc. Geology	5	7	0	16	2	0	0	0	0	1	0	12	17	0	0
10	M.Sc. Material Science	5	7	0	16	2	0	0	0	1	5	4	0	2	1	0
11	M.A. Odia	15	20	0	50	5	3	5	1	14	8	25	1	33	0	0
12	M.Sc. Physics	5	7	0	16	2	2	3	3	4	3	1	9	5	0	0
13	M.A. Sanskrit	15	20	0	50	5	1	3	0	6	0	21	3	23	0	1
14	M.A. Santali	5	7	0	16	2	0	0	12	13	0	0	0	0	0	0
15	M. Sc. Wildlife and Biodiversity Conservation	3	5	0	11	1	1	1	0	0	2	3	7	5	0	0
16	M.Sc. Zoology	5	7	0	16	2	0	5	4	3	0	1	5	10	1	1
17	Master of Business Administration	5	7	0	16	2	1	1	1	1	0	0	14	12	0	0
18	Integrated B.Ed. M.Ed.	8	11	0	29	2	3	7	0	9	2	2	7	19	0	1
19	M.A. Education	10	14	0	33	3	0	1	0	4	4	20	1	19	0	0
20	M.A/M. Sc. Mathematics	10	14	0	33	3	0	0	2	2	10	5	22	19	0	0
21	M.A. Social Work	7	9	0	22	2	0	2	0	2	3	1	3	7	0	0
22	M.A. Hindi	5	7	0	16	2	0	1	1	1	0	0	3	10	0	0
23	Master in Library & Information Science	5	7	0	16	2	1	2	1	0	0	0	10	15	0	0
24	M.Sc. Remote Sensing & GIS	5	7	0	16	2	1	0	1	3	4	2	10	9	0	0
25	M.A./ M.Sc. in Yoga and Naturopathy	5	7	0	16	2	3	0	0	0	0	0	5	10	0	0
		165	228	0	539	58	22	45	41	78	69	135	163	284	3	5

DIRECTORATE OF DISTANCE AND CONTINUING EDUCATION (DDCE)

COURSES OFFERED UNDER DDCE. WITH STUDENT ENROLMENT FOR THE SESSION 2018-19

Sl No.	Name of the Centre	B.A	MBA	MCA	MA in Edn.
1	NOU Study Centre	0	2	0	3
2	Anchalika Mahavidyalaya, Purunabaripada	0	0	0	0
3	C.P. Degree College, Bhanjakia	90	9	0	25
4	Kalinga Degree College, Manada	43	0	0	0
5	Luipa Degree Mahavidyalaya, Radho	56	0	0	22
6	Mayurbhanj College of Accountancy & Management, Baripada	25	15	7	4
7	P.S. College, Suliapada	9	0	0	6
8	Saraswata Snatak Mahavidyalaya, Kuamara	38	0	0	0
9	Sriram Chandra Bhanj Degree College, Ragdha	10	0	0	6
10	Baripada College, Baripada-2		0	0	2
11	Prince Degree College of Science, Morada	19	6	0	2
12	Techno World Degree College, Rairangpur	3	5	1	0
13	NOU Study Centre, NOU 2nd Campus, KJR	3		0	0
14	Barbil College, Barbil		9	0	0
15	Charigarh Mahavidyalaya, Telkoi	9	0	0	0
16	Keonjhar Degree Commerce College, Keonjhar	145	50	6	45
17	Raisuan Degree Mahavidyalaya, Raisuan	50	13	1	11
18	School of Rehabilitation & Social Sciences, KJR	2	0	0	14
	Total	502	109	15	140
	Grand Total	766			

ACTIVITIES OF DEPARTMENTS

I. MAIN CAMPUS, TAKATPUR, BARIPADA

(i) DEPARTMENT OF BIOTECHNOLOGY

The Post-Graduate Department of Biotechnology is established in the year 2002 in self finance mode with student intake strength of 20 and subsequently increased to 30. In the year 2012, the department became a regular department of NOU with a current strength of 6 faculty members. The department is now supported by DST – FIST (2016).

Research Publications:

A. Journal:

1. S.K. Das, D. Samantaray, S.K. Sahoo, S.K. Pradhan, L. Samanta, **H. Thatoi**. Ion Contamination. Bioactivity guided isolation of antidiabetic and antioxidant compound from *Xylocarpus granatum* J. Koenig bark. 3 Biotech 9 (5), 198., 2018.
2. S.K. Pradhan, U. Kumar, N.R. Singh, **H. Thatoi**. Functional diversity and metabolic profile of microbial community of mine soils with different levels of chromium contamination. International Journal of Environmental Health Research, 1-13, 2018.
3. S. Mohapatra, S.S. Mishra, S.K. Das, **H. Thatoi**. Influence of reactors, microbial carbohydrate uptake, and metabolic pathways on ethanol production from grass biomass: A review. International Journal of Energy Research 43 (5), 1615-1646, 2018.
4. S. Mohapatra, C. Mishra, B.B. Merritt, S. Pattathil, **H. Thatoi**. Evaluating the Role of Ultrasonication-Assisted Alkali Pretreatment and Enzymatic Hydrolysis on Cellwall Polysaccharides of *Pennisetum* Grass Varieties as as Potential Biofuel Feedstock. ChemistrySelect, 4 (3): 1042-1054, 2018.
5. S.K. Das, A. Prusty, D. Samantaray, M. Hasan, S. Jena, J.K. Patra, L. Samanta, **H. Thatoi**. Effect of *Xylocarpus granatum* Bark Extract on Amelioration of Hyperglycaemia and Oxidative Stress Associated Complications in STZ-Induced Diabetic Mice. Evidence-Based Complementary and Alternative Medicine. Article ID 8493190, 13 pages 2018.
6. S.K. Das, D. Samantaray, S.K. Sahoo, J.K. Patra, L. Samanta, **H. Thatoi**. Bioactivity guided isolation and structural characterization of the antidiabetic and antioxidant compound from bark extract of *Avicennia officinalis* L. South African Journal of Botany, 125: 109-115, 2018.
7. P.K. Dash, S. Mohapatra, S.C. Patnaik, S. Sahoo, **H. Thatoi**. Bioethanol production from sweet potato, a potential starchy biomass- a review. International journal of green energy. Taylor & Francis, 2018.
8. S. Mohapatra, S.S. Mishra, S.K. Das, **H. Thatoi**. A review on bioethanol production from grass biomass: Influence of reactors, microbial carbohydrate uptake and gene editing. International journal of energy research. Wiley, 2018.
9. S. Mohapatra, C. Mishra, S. Pattathil, B.B. Merritt, **H. Thatoi**. Ultrasono-assisted alkali pretreatment and enzymatic hydrolysis of *Pennisetum* grass varieties for enhanced edification of fermentable sugars. Chemistry Select, Wiley, 2018.
10. M. Paul, M.K. Panda, **H. Thatoi**. Developing Hispolon based novel anticancer therapeutics against human (NF- κ B) using *in silico* approach of modelling, docking and protein dynamics. Journal of Biomolecular Structure and Dynamics, 1-51, 2018.
11. S.K. Das, D. Samantaray, A. Mahapatra, N. Pal, **R. Munda, H. Thatoi**. Pharmacological activities of leaf and bark extract of a medicinal mangrove plant *Avicennia officinalis* L. Clinical Phytoscience, 4 (1): 13, 2018.
12. S. Das, S.H. Panda, N.B. Kar, N. Mohanty, **H. Thatoi**. Prevention of Colorectal Cancer Through Probiotics, Prebiotics, and Synbiotics: A Critical Review. Advances in Microbial Biotechnology, 395-414, 2018.
13. S. Dash, S.K. Das, J. Samal, **H. Thatoi**. Epidermal mucus, a major determinant in fish health: a review. Iranian Journal of Veterinary Research 19 (2), 72-81, 2018.

14. S. Mohapatra, S. Padhy, P.K.D. Mohapatra, **H. Thatoi**. Enhanced Reducing Sugar Production By Saccharification Of Lignocellulosic Biomass, Pennisetum Species Through Cellulase From A Newly Isolated Aspergillus Fumigatus. Bioresource Technology 253, 262-272, 2018.
15. **H. Thatoi**, S.K. Singdevsachan, J.K. Patra. Prebiotics and Their Production From Unconventional Raw Materials (Mushrooms). Therapeutic, Probiotic, and Unconventional Foods, 79-99, 2018.
16. S.K. Das, D. Samantray, **H.N. Thatoi**. Pharmacological Applications of Metabolites of Mangrove Endophytes: A Review. Microbial Biotechnology, 331-360, 2018.
17. J. Patra, D. Swain, **B. Rath** and N. K. Dhal. Conversion of bioresources to bioethanol - A review. Research in Environment and Life Sciences, 33-38, 11(01), 2018.
18. J. Patra, **B Rath**, and N. K. Dhal. Bioethanol production from Banana pseudostem by simultaneous saccharification and fermentation process using *S. cerevisiae*. Asian Jr. of Microbiology, Biotechnology and Environmental Sciences 305-311, 20(3), 2018.
19. J. Patra S. Pattanayak, N. K.Dhal and **B. Rath**. Bioconversion of Banana Pseudostem to Bioethanol. Indian Journal of Environmental Protection, 687-691, 38(8), 2018.
20. J. Patra, A. Pati, N. K. Dhal and **B. Rath**. Assessing feasibility of Ethanol production from Agricultural wastes: A step towards waste management and sustainable utilization. Research Journal of Chemistry and Environment. 14-18, 22 (8), 2018.
21. **B. Rath** and S. Rath. Bioremediation of industrial effluents using marine cyanobacteria of Odisha Coast. African Journal of Biotechnology 10(10). 2018.
22. H. G. Behuria, R. Shee, B.K. Biswal S. Gupta and **S.K. Sahu**, Evaluation of Biotechnological Potential of Novel Mercury Tolerant Strain of *Klebsiella Pneumonia*. Journal of applied Microbiology and Biochemistry, 1-7, 2, 2018.
23. **S.K. Sahu**, H. G. Behuria, Biochemical Characterization of H₂O₂-Induced Oxidative Stress in *E.coli*. Journal of Applied Microbiology and Biochemistry, 3:10, 2, 2018.
24. Pati P, **G. Dhangadamajhi**, M. Bal, and M. Ranjit. High proportions of pfhrp2 gene deletion and performance of HRP2-based rapid diagnostic test in *Plasmodium falciparum* field isolates of Odisha, Malaria Journal. 394-399, 17 (1), 2018.

B. Book/Book Chapter

1. **H. Thatoi**, S.K. Das. Ethnomedicinal Uses and Bioactivities of Mangrove Plant Resources with Special Reference to Antidiabetic Studies of *Avicennia officinalis* from Mangroves of Mohanadi Delta, Odisha. Pp No. 65-76. Biotechnology for Sustainable Utilization of Bioresources. Ed. By **H. Thatoi** and **S.K. Nayak**, 2018.
2. J.S. Prusty, B.P. Rath, and **H. Thatoi**. Production Optimization and Application of Extracellular Chromate Reductase from Bacillus sp. for Bioremediation of Hexavalent Chromium In: R. Kundu et al. (eds.), Environmental Biotechnology For Soil and Wastewater Implications on Ecosystems, 2018.
3. Mangrove Microorganisms: Biodiversity and Biotechnology, **H. Thatoi**, Daya Publishing House. ISBN : 9789388027410, 2018.
4. Biodiversity Conservation and Wildlife Management by **H.N. Thatoi**, H.K.Sahu, R.K. Mishra and S.D.Rout. North Orissa University. 978-81-933281-1-8, 2018.
5. Practical Biotechnology: Principles and Protocols by **H. N. Thatoi**, S. Dash, S. K. Das. (Publisher: IK International Publishing House Pvt. Ltd, ISBN 9789385909160).

Conference/Seminar/Workshop/Symposia/Participated and presented :

Prof. H. N. Thatoi

1. Green synthesis of silver nanoparticle, characterization and bioactivity studies. In: **National workshop** on Emerging trends in life sciences for sustainable development organized by Rama Devi Women's

University, Bhubaneswar, held at Rama Devi Women's University, Bhubaneswar, Odisha. (Pg. No. 41) during 8-9th February, 2019.

2. Synthesis of silver nanoparticle using mangrove plant extrats, characterization and bioactivity evaluation. In: **National Seminar** on Science for Society jointly organized by Orissa Environmental Society, BBSR and NISER, Bhubaneswar, held at NISER, Bhubaneswar, Odisha. (Pg. No. 177) during 17-18th November, 2018.

Dr B. Rath

1. Presented a paper (poster) on “Antioxidant Activity of Cyanobacteria Isolated from Chilika Lake, Odisha” on 20th Odisha Bigyan ‘O’ Paribesh Congress, NISER Campus, Khordha, 17-18 Nov., 2018.
2. Presented a paper (oral) on Title: “UV-B induced biochemical changes on cyanoacteria of Odisha coast” at International Multidisciplinary Research Conference (International Benevolent Research Foundation) at Asian Institute of Technology, Bangkok, Thailand. 19-22 Nov., 2018.

Dr S.K. Sahu

1. Presented a paper (Oral) entitled “Biological model membrane: an emerging tool in Basic and applied life science” in a *Multidisciplinary National Conference on “Impact of Emerging Science and Technology on Society: Opportunity and Challenges”* Seth Phoolch and Agrawal Smriti Mahavidyalya, Nawapara-Rajim, Raipur, Chhattisgarh, India from 29-30 Jan 2019.
2. Presented a paper (Oral) entitled “Purification and Characterization of a Mercury-Sensitive Alkaline Phosphatase from a Hg²⁺-tolerant Soil Bacterium”, Recent Trends in Microbiology and Biotechnology (RTMB-2018), MITS, BBSR, ODISHA, 16-17 March, 2018.
3. Presented a paper (Oral) on Biochemical Adaptation and Biotechnological Potential of a Mercury Tolerant *K. pneumoniae* in 20th Odisha Bigyan “O” paribesh Congress, NISER, BBSR, Jatni, 17-18 Nov 2018.
4. Presented a paper (Oral) on Membrane-Mediated Drug Resistance in Bacteria, National Seminar on climate change and future of animals, Department of Zoology, Pranath Autonomous College, Khordha in Collaboration with ZSO and P.G. Department of Zoology, Utkal University, 22-23 Dec 2018.

Dr G Dhangadamajhi

1. Presented a paper (Oral) entitled “Host haematological and biochemical parameters in *Plasmodium falciparum* infection is associated with clinical severity in adults of Odisha, India” at 14th International Conference on Vectors and Vector Borne Diseases organized by ICMR-RMRC, Bhubaneswar & NAVBD, India during 9-11 Jan, 2019.

Faculty Development Programme

1. **Dr B. Rath** completed the Science Academies Refresher Course on “Biotechnology techniques in Biodiversity conservation” Department of Botany, Bharathiar University, Coimbatore, Tamil Nadu, India. Duration: 10-09-2018 to 24-09-2018.
2. **Dr S.K. Sahu** completed Refresher Course – Sub- Life sciences at Human Resource Development Center (HRDC), HCU, Hyderabad, from 15-02-2019 to 07-03-2019.
3. **Dr G Dhangadamajhi** completed Refresher Course in Life Sciences and Biotechnology at HRDC-JNU, New Delhi during 08-10-2018 to 02-11-2018.

Research Activity (Guidance)

A. Ph.D.:

S.N	Name of the	Title	Supervisor	Status
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	Candidate			
1	Sameer Singhdevsachan	Ethnomedicinal and Pharmacological studies of Wild Edible Mushrooms	Dr H. N. Thatoi	Awarded

B. M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Payel Pranjya Puthal	An <i>in silico</i> studies on structural, functional and evolutionary analysis of bacterial Chromate Reductase family responsible for high chromium bioremediation efficiency	Dr H. N. Thatoi	awarded
2	Gayatree Panda	<i>In silico</i> study on some selected microbial cellulases and Screening of cellulolytic bacteria from the soil sample of Simlipal Biosphere Reserve, Odisha for the investigation of optimum enzymatic activity.	Dr H. N. Thatoi	awarded
3	Devasmita Mohanta	Screening of cellulolytic fungi and structural analysis of cellulase from the soil sample of Simlipal Biosphere Reserve	Dr H. N. Thatoi	awarded
4	Sangram Keshari Samal	Isolation, identification and screening of enzyme producing fungi from Similipal Biosphere Reserve	Dr H. N. Thatoi	awarded
5	Sonaliprabha Dasmohapatra	Antibacterial and Antioxidant activities of cyanobacteria isolated from Odisha coast.	Dr B. Rath	Completed
6	Bikash Kumar Parida	Comparative study of UV induced changes in freshwater and marine cyanobacteria.	Dr B. Rath	awarded
7	Ashirbad Sarangi	Serosurveillance of different bacterial diseases in cultured freshwater fishes	Dr S. K. Nayak	Awarded
8	Anuradha P. Nanda	Assessment of antibiotic resistance and virulence attributes of <i>Escherichia coli</i> isolates obtained from different sources	Dr S. K. Nayak	Awarded
9	Rashmi Shee	Evaluation of the antimicrobial potential of <i>Nyctanthes arbor-tristis</i> and <i>Gymnema sylvestre</i> against heavy metal and membrane mediated drug resistance in bacteria	Dr S.K. Sahu	Awarded
10	Soumya Das	A study on phytochemical screening, antioxidant and antimicrobial activities of various solvent fractions of coconut testa	Dr G. Dhangadamajhi	Awarded

Project:

Sl. No	Title	Funding agency	amount	Duration	PI/Co-PI
1	Survey and Isolation of Marine Microalgae from Odisha Coast and evaluation of their food and pharmaceutically important biomolecules	S&T, Govt. of Odisha	9.46lakhs	2016-2018	Dr B. Rath
2	Isolation and characterization of antiplasmodial metabolites from selected medicinal plants	S&T, Govt. of Odisha	8.46 Lakhs	2016-2018	Dr G. Dhangadamajhi
3.	Green Synthesis, Characterization and Evaluation of Immunostimulatory and	S&T, Govt. of Odisha	8.41 Lakhs	2017-2020	Dr S.K. Nayak

	Antimicrobial Potential of Metal based Nanoparticles for Fish Health Management.				
4	Purification and Characterization of mercuric reductase (Mer A) from highly mercury resistant, biofilm forming bacterial strains isolated from mercury-enriched industrial wastes of Odisha	S&T, Govt. of Odisha	8.51 Lakhs	2017-2020	Dr S. K. Sahu

Awards/Medals/Recognition:

Dr. B. Rath best Paper Presentation Award at “International Multidisciplinary Research Conference” (International Benevolent Research Foundation) at Asian Institute of Technology, Bangkok, Thailand. 19-22 Nov., 2018.

(ii) DEPARTMENT OF BOTANY

The Post-Graduate Department of Botany of North Orissa University is established in the year 2004. The department is bestowed with well-trained faculty having wide array of research exposure and teaching experience in various aspects of plant sciences. The department imparts teaching at M.Sc., M. Phil. and Pre-Ph. D levels with an objective to provide quality input to students both in teaching and research. We intend to expand academic co-operation by offering new curriculum, upgrading programmes to a wider spectrum and promoting collaborating research on development from broad interdisciplinary prospective.

Department Assistance by DST-FIST during 2009-10.

Seminars/Conference/Other activities conducted by the Department: Nil

Research Publication

A. Journal

1. Mohanta M.R., **Biswal A.K.** and Sahu S.C. Phytogeographical Affinities of Tree Species of Similipal Biosphere Reserve, Odisha, India. *Not. Sci. Bio.* 10 (3): 354-362, (2018).
2. *Nicandra* Adans.: A new generic record for the flora of Odisha, India, **Biswal A.K.**, SS. Bisoi and M K satapathy, *Trop. Pl. Res.* 5(2): 224 -226, (2018).
3. Mohanta, Y. K., Panda, S. K., Syed, A., Ameen, F., **Bastia, A. K.** and Mohanta, T.K. Bio-inspired synthesis of silver nanoparticles from leaf extracts of *Cleistanthus collinus* (Roxb.): Its potential antibacterial and anticancer activities. *IET Nanobiotechnol.*, 12(3): 343-348. 2018.
4. Dutta, P., Bhakta, S. and **Bastia, A.K.** .Growth response and biochemical composition of waste grown cyanobacteria to paper mill effluents. *Indian Hydrobiology* 18 (1&2):156 – 163, 2019.
5. Mishra, S., Bhakta, S. and **Bastia, A.K.** Pennate diatoms from brackish water of Balaramgadi estuary, Odisha. *Indian Hydrobiology* 18(1&2):182– 193, 2019.
6. Mohapatra, S., Pandit, E., Mohanty, S.P., Barik, S.R., Pawar, S., Nayak, D.K, Subudhi, H.N., Das, L., **Bastia, A.K.** and Pradhan, S.K. Molecular and phenotypic analyses of yield components QTLs in IR64 backcross progenies and popular high yielding rice varieties of India . *Oryza* 55 (2): 271-277, 2018.
7. Sahu J. R. & **K.L. Barik.**; Study of live green biomass of a grassland community of Similipal Biosphere Reserve, Odisha, *Int. J. of Acad. Res. & Devp.*, Special Issue, Feb. 1-3, (2018)
8. Bhuyan, D.L. & **K.L. Barik**, Study of net primary production of a grassland community of Kaptipada Forest Range of Mayurbhanj district in Odisha, India, *Genius*, 6 (2), 212-218, (2018).

9. Panda M. K., **K.L. Barik**, H.N. Thatoi & K. Tayung, Diversity of wild edible mushrooms in Mayurbhanj district of Odisha, India, *Genius*, 6 (2), 219-225, (2018).
10. Sahu J. R. & **K.L. Barik**, Study of below ground biomass of a grassland community of Similipal Biosphere Reserve, Odisha, *Int. J. of Advn. Res. in Sci. & Engi.* 7 (3) ; 774-780, (2018).
11. Bhuyan, D.L. & **K.L. Barik**, Standing dead biomass of a grassland community of Kaptipada forest range of Mayurbhanj district in Odisha, India. *Int. J. of Scientific Res. in Sci. & Techno*, 4 (7) ; 193-196, (2018).
12. Mohanty S. & **K.L. Barik**, Floristic Composition of a Grassland Community of Balasore District in Odisha, *Int. J. of Scientific Res. & Review.* 7 (7) ; 410-416, (2018).
13. Barik S. & **K.L. Barik**, Biological Spectrum of a Grassland Community of Balasore District in Odisha, *Int. J. of Scientific Res. & Review.* 7 (7) ; 478-485, (2018).
14. Panda M.K., Thatoi H.N., **Sahu S.C.** and Tayung K, Wild edible mushrooms of Northern Odisha, India: Data on distribution and utilization of ethnic communities. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences* 5(2): 248-268. ISSN: 2454-6348, (2019).
15. **Sahu S.C.**, Pani A.K., Mohanta M.R. and Kumar Jagdis, Tree species diversity, distribution and soil nutrient status along altitudinal gradients in Saptasajya hill range, Eastern Ghats, India. *Taiwania* 64(1): 28-38. DOI: 10.6165/tai.2019.64.28, (2019).
16. Subhashree Pattnayak*, M. Kumar, **S.C. Sahu**, N.K. Dhal and R.K. Behera, Comparison of Soil Characteristics and Carbon Content of Contrastingly Different Moist- mixed Deciduous and Evergreen Mangrove Forest in Odisha, India. *Geology, Ecology and Landscapes* 3(4): 239-246. (Taylor & Francis publication). DOI: 10.1080/24749508.2018.1545104, (2018).
17. Mohanta M.R., Biswal A.K. and **Sahu S.C.**, Phytogeographical affinities of tree Species of Similipal Biosphere Reserve, Odisha. *Not. Sci. Biol.* 10(3): 354-362. ISSN: 2067-3205, (2018).

B. Book/Book Chapters Published:

1. Sipra, B. S., Sahu, E., Bhakta, S. and **Bastia, A. K.** (2019). Phytochemistry and antibacterial activity of *Spirogyra bichromatophora* (Randhawa) Transeau, sourced from Barehipani waterfall. In: *Biotechnology for Sustainable Utilization of Bioresources*, Eds. Thatoi, H. N. and Nayak. S. K., Daya Publishing House, A division of Astral International Pvt. Ltd., New Delhi.
2. Dutta, P., Bhakta, S., Sahu, E., Bhuyan, P. and **Bastia, A. K.** (2019). Analysis of Growth and Biochemical Contents of Microalgae Grown with Wastewater Effluent of Emami Paper Mill, Balasore In: *The Role of Microalgae in Wastewater Treatment* (Eds.) Sukla, L. B. Subudhi, E. and Pradhan, D., Springer Nature Singapore Pvt. Ltd.
3. Parasitic Plants of Odisha ISBN: 978-81-935702-3-4, Publisher: Ambika Prasad Research Foundation, Bhubaneswar, Odisha, India: 5th June 2018.
4. **Sahu S.C.** (2019). Ethnobotanical Study of Pharmacologically Important Medicinal Plants: In *Ethnopharmacology and Biodiversity of Medicinal Plants* edited by Patra *et al.*, pp.363-384 **ISBN: 9781771887731**, Apple Academic Press.
5. Nayak D. and **Sahu S.C.** (2019). Ethnomedicinal uses of plants from Lulung, Similipal Biosphere Reserve, Odisha: In *Biotechnology for Sustainable utilization of Bioresources* edited by H.N. Thatoi and S.K. Nayak, pp.151-166, ISBN: 978-93-88982-00-9 (HB), Daya Publishing House New Delhi.

Conference/Seminar/Workshop/Symposia/Faculty Development Programme Attended:

Prof. A. K. Biswal

1. Participated in the 43rd Annual Conference of Orissa Botanical Society and National Seminar on “Plants for Sustainable Development and Clean Environment” organized by Department of Botany, School of Applied Science, Centurion University of Technology and Management, Bhubaneswar held on 23-24th December 2018.
2. Presented paper in the National Conference on “Plants for Sustainable Development and Clean Environment” organized by Centurion University of technology & management held on 23-24th December, 2018.
3. Presented paper in the “Recent Advances in Plant sciences: strategies and Applications” organized by Ravenshaw University, cuttack held on 23rd Feb. 2019.
4. 3. Presented paper in the “National Seminar on “Inter Disciplinary Approach of Research in Medicinal Plants” organized by Vidyasagar University, Midnapur, W B. held on 12th March, 2019.
5. Presented paper in the National Seminar organized by SSB Degree College, Egra, WB held on 21st May, 2019.

Prof. A. K. Bastia

6. Participated and chaired the technical session in the National Seminar on “Vistas in Biodiversity, Biology, Biotechnology and Nanotechnology of Algae (VBBBNA 2018), organized by Dept. of Botany, Madras Christian College (Autonomous), Tambaram East, Chennai, Tamilnadu , Seaweed Research and Utilization Association and Krishnamurthy Institute of Algology on 20-22nd September 2018.
7. Participated in the National Seminar on “Science for Society” jointly organized by Odisha Environmental Society, Bhubaneswar and National Institute of Science Education and Research (NISER), Bhubaneswar on the occasion of 20th Odisha Bigyan ‘O’ Paribesh Congress on 17-18th November 2018.
8. Participated in the 43rd Annual Conference of Orissa Botanical Society and National Seminar on “Plants for Sustainable Development and Clean Environment” organized by Department of Botany, School of Applied Science, Centurion University of Technology and Management, Bhubaneswar held on 23-24th December 2018.
9. Participated in the International Conference on “Biodiversity and Sustainable Development: Strategies for Future (ICBDSDF-2019)” held at N. C. (Autonomous) College, Jajpur, Odisha on 29-30th January 2019.
10. Participated in the National Seminar on “Future India: Science and Technology” jointly organized by ISCA Bhubaneswar Chapter , KIIT and KISS Deemed to be University on 1-2nd February 2019 at KIIT Deemed to be University, Bhubaneswar.
11. Participated and chaired the technical session in the National Conference on “Biodiversity, Biotechnology and Bioinformatics: Innovative and Emerging Trends (NCBBBIT-2019)” held at P. G. Dept. of Botany, Berhampur University, Odisha on 22-23rd February 2019.

Dr. K. L. Barik

12. International Conference on Recent Trends in Environment, Sustainability, Agriculture and life Science 2018, IMRF Mysore Chapter, 02-03 July 2018, Karnatak, India.
13. 2nd World Clean Environment Summit 2018, 16 - 18 July 2018, Science City Auditorium, Kolkata, West Bengal.
14. International Seminar on “ESTABLISHING GLOBAL PEACE” For The Sustainable Development For Making Nations Strong, Organized By “ United Nations University for Global Peace-USA in Association With AUGP-USA & IBRF, Kolkata on 22nd Sept. 2018, Science City Auditorium, Kolkata, West Bengal.
15. International Multidisciplinary Research Conference on Biodiversity, Climate Change, Physical and Life Sciences, Organized by DHSK College, Dibrugarh, Assam In Association with International Academy of Science and Research, Kolkata and Confederation of Indian Universities, New Delhi on 21st and 22nd Jan. 2019.

16. International conference on Environment and Ecology, Organized by International Foundation for Environment and Ecology, Kolkata in association with Confederation of Indian Universities (CIU), New Delhi and Christ College, Pune, at Christ College Auditorium, Pune, Maharashtra, 18th to 20th Feb. 2019.
17. National Conference on Biodiversity, Biotechnology and Bioinformatics Innovative and Emerging Trends-2019 (NCBBBICT-2019), Organized by Department of Botany, Berhampur University, Berhampur, Odisha on 22nd and 23rd Feb. 2019.

Dr. B. P. Hansdah

18. Majhi K. and **Hansdah B.** Diversity of leafy vegetables consumed by Santal Tribe of Keonjhar District, Odisha, India. 43rd Annual Conference of Orissa Botanical Society, held at Centurion University, Bhubaneswar, from 23rd to 24th December 2018.
19. Majhi K. and **Hansdah B.** Nutritional value of leafy vegetables consumed by Santal Tribe of Keonjhar District, Odisha, India. National Seminar on Participation of Indigenous Tribes in Biodiversity Conservation, held Organized by CSS & Dept. of Anthropology & Tribal Studies, North Orissa University, on 21st -22nd January 2019.

Dr. S. C. Sahu

20. Presented paper entitled “Tree species diversity, distribution and soil nutrient status along altitudinal gradients in Saptasajya hill range, Eastern Ghats, India” in a National conference on “Science for Society” held at NISER Campus, Jatni, Khorda, during 17-18 Nov, 2018.
21. Presented paper entitled “Is Odisha forest a sink of carbon for 21st century?” in a National conference on “Plants for Sustainable Development and Clean Environment” held at Department of Botany, School of Applied Sciences, Centurion University of Technology and management, Bhubaneswar, Odisha during 23rd -24th Dec, 2018.

Faculty Development Programme:

1. **Dr. B. P. Hansdah** successively completed **36th Orientation Programme** by UGC sponsored HRDC, Sambalpur University from 23rd Oct. 2018 to 19th November 2018.
2. **Dr. S. C. Sahu** successively completed **Orientation programme** at HRDC, Utkal University, Bhubaneswar from 3-31st August 2018.

Research Activity (Guidance)

A. Ph.D:

Sl. No	Name of the Candidate	Title	Supervisor	Submitted/ Awarded
1	Emamee Sahu	Studies on bio-prospecting of Cyanobacterial Bioresources of Similipal Biosphere Reserve, Odisha	Dr. A. K. Bastia	Awarded
2	Dibya Lochan Bhuyan	Floristic Composition and System Transfer Function of Organic Matter of a Grassland Community of North Odisha.	Dr. K. L. Barik	Submitted
3	Sarojinee Baskey	Studies on Biochemical Analysis of different types of secondary food plants of Tasar Silkworm available in Similipal Biosphere Reserve.	Dr. A. K. Bastia	Awarded
4	Yugal Kishore Mohanta	Synthesis, Characterization and Bioactive of Silver Nanoparticles	Dr. A. K. Bastia	Awarded

		using phytoresources.		
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B. Mphil

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Dipsnshu Ghosh	Callus induction of <i>Ocimum tenuiflorum</i> L. with low-cost alternatives.	Prof. U. B. Mohapatra	Awarded
2	Rashmita Sahoo	Adoption of low cost alternatives for <i>in vitro</i> culture of <i>Bacopa monnieri</i> (L.) Pannell	Prof. U. B. Mohapatra	Awarded
3	Prangyapratima Rout	Low-cost alternatives for <i>in vitro</i> culture of <i>Centella asiatica</i> (L.) Urban	Prof. U. B. Mohapatra	Awarded
4	Manisha Panigrahi	Synthesis, Characterization and Antibacterial activity of Silver Nanoparticles using <i>Gracilaria edulis</i> : A Green Approach	Dr. A. K. Bastia	Awarded
5	Lipsa Mohanty	Phytofabrication and cytotoxic evaluation of biofunctionalized silver nanoparticles using <i>Glochidion lanceolarium</i> (Roxb.) Voigt.	Dr. A. K. Bastia	Awarded
6	Debidutta Rout	Altitudinal distribution patterns of Ferns in Similipal Biosphere Researve, Odisha.	Dr. A. K. Biswal	Awarded
7	Jasmine Mohanty	Studies on cytotoxic effect of <i>Plumabago zeylanica</i> L. on Hela cervical cancer cells.	Dr. A. K. Biswal	Awarded
8	S P Avinash	Photochemical Screening and bioactive potentials of <i>Calotropis gigantea</i> (L.) Dryand Leaf Extract.	Dr. K. L. Barik	Awarded
9	Jugun Ku. Bhuyan	Micropropagation of <i>Rauvolfia serpentine</i> (L.) Benth. Ex Kurz:- A potent endangered medicinal plant.	Dr. B. P. Hansdah	Awarded
10	Bikram Ku. Pradhan	Diversity and distribution of Mangroves in Chandbali block of Bhadrak forests division, Odisha, India.	Dr. S. C. Sahu	Awarded

Project

Sl. No	Title of the Project	Funding Agency	Amount	Duration	PI/Co-PI
1	“Tree species composition and carbon stocks assessment in different forest types of Similipal Biosphere Reserve, Odisha (India)”	Department of Science and Technology, Govt. of Odisha.	Rs. 7.26 Lakhs	from 2018-2021	Dr. S. C. Sahu

Awards / Medals / Recognition Received:

Dr. Kamal Barik:

1. National Ecological Research Excellence Award (2018)
2. World Peace Excellence Award (2018)
3. Peace Educator (Certificate of Excellence) International Felicitation. (2018)
4. D.Litt. Degree (Honoris Causa), United Nations University for Global Peace, USA (2018)
5. FIMRF: Fellow of International Multidisciplinary Research Foundation, Vijayawada, AP (2018)

(iii) DEPARTMENT OF CHEMISTRY

The Post-Graduate Department of Chemistry of North Orissa University is established in the year 2004. The Department has well equipped post graduate and research laboratories. In addition to this all faculties have well equipped independent research laboratories. All of our primary facilities for characterization are housed in two Central Instrumentation Facility (CIF I and CIF II). The students in the department of Chemistry have established an extraordinary record of achievement. The student regularly qualifies for CSIR/UGC NET, GATE and several of them are selected as DST Inspire Fellows in the past. Many of our students also receive financial assistance from UGC or from the state government to complete their P.G Programme. The faculty members are life members of many professional societies like Materials Research Society, Indian Chemical Society, Catalysis Society of India and Orissa Chemical Society. The Department was under DST-FIST assistance during 2009-2014 and UGC-SAP during 2009-2014. The Department is under the cover of DST-FIST assistance and has received Rupees Eighty Lakhs only for the purchase of some sophisticated instruments like atomic absorption spectrophotometer, fluorescence spectrophotometer and zeta size analyser.

Seminar/ Conferences / other activities conducted by the Department: Nil

Research Publication**A. Journal : Nil****B. Book Chapter / Book:**

1. **P. K. Satapathy**, T. K. Behera, P. Mohapatra, Nanoparticles: Excellent Transducer for Electrochemical Biosensor, ISBN:978-1-77361-539-4, Arcler Publishing, 2018
2. **P. K. Satapathy**, T. K. Behera, P. Mohapatra, Methanol oxidation : Selective Fuel Cell Processes ISBN: 9781771888851, Apple Academic Press, Taylor & Francis group, 2019

Conference/Seminar/Workshop/Symposia Participated and Presented**Prof. P. K. Satapathy**

1. Presented paper entitled "Synthesis, Characterization and Catalytic Applications of Graphene CeO₂-TiO₂ Nano Composites" in the 4th International Conference Kathmandu Symposia on advanced Materials-2018(**KaSAM-2018**) organized by Nepal Polymer Institute held on 26 -29 October, 2018.
2. Presented paper entitled "Catalytic activity and adsorption properties of ceria doped Titanium dioxide" in the National Conference on Advanced Materials for Energy and Environmental Applications organized by Department of Chemistry, NIT Rourkela, Odisha held on 12 -14 December, 2018.
3. Presented paper entitled "Photocatalytic Applications of Graphene CeO₂-TiO₂ Nano Composites" in the 32nd Annual Conference of Orissa Chemical Society and National Seminar on Recent Advances in Functional Nano Materials organized by NIST Berhampur held on 23 -24 December, 2018.
4. Participated in the National Seminar on Challenges and Prospectous in Physics organized by Department of Physical, North Orissa University, during 23- 24 Feb., 2018.

Dr. A. Dora

1. Participated in the 7th Topical Conference of Indian Society of Atomic and Molecular Physics (ISAMP-TC7 organized by IISER and IIT Tirupati, 6 - 8 January 2018.

Faculty Development Programme :

1. **Dr. R. K. Singh** successfully Completed the Short Term Course on the topic “Research Methodology and Statistics” organized by UGC-HRDC, Guru Ghasidas University, Bilaspur (C.G) India from 04-11 Nov. 2019 (One Week).
2. **Dr. A. K. Jena** successfully Completed the Orientation programme on the topic “Holistic Approach to Effective Teaching” organized by UGC-HRDC, Utkal University from 18 Jan. 2019 to 14 Feb. 2019 (28 days)

Research Activity (Guidance)

A. Ph.D. : Nil

B. M.Phil.

Sl. No.	Name of the Candidate	Title	Supervisor	Status
1	Suchismita Barik	Decolourization of methylene blue using Graphene supported ceria-titania mixed oxide	Prof. P.K.Satapathy	Awarded
2	Subhashree Subhasmita Aich	Gemini Amphiphiles vis ‘Click Chemistry’: Synthesis, Characterization and their Novel Antibacterial Properties	Dr. R. K. Singh	Awarded
3	Snehansu Mohapatra	Laboratory Scale Waste Disposal: Methods, Opportunities and Challenges	Dr. R. K. Singh	Awarded
4	Sanjay Kumar Majhi	Structural characterization of biodegradable polymers	Dr. A. K. Dora	Awarded
5	Alok Kumar Chand	Photocatalytic degradation of Alizarin Dye by using rGO-CeO ₂	Dr. A. K. Jena	Awarded

Project

Sl. No.	Title of the project	Funding Agency	Amount	Duration	PI / Co-PI
1	Pd-Catalyzed C(sp ²)-C(sp ²), C(sp ²)-N Tandem Oxidative Coupling and Cyclization: En route to Medicinally Important Molecules	SERB	Rs. 13, 83,333/-	3 years	Dr. A. K. Jena (PI)
2	Quantum Dynamical Study of Low-energy Electron Collision with Molecules and Radicals having Relevance to Plasma and Astrophysics	SERB	Rs. 11,10,673/-	3 years	Dr. A. Dora (PI)

Awards / Medals / Recognition Received : Nil

(iv) DEPARTMENT OF COMPUTER APPLICATION

The Post Graduate Department of Computer Application of North Orissa University started in the year 2004-05 with an intake of 30 MCA Students. Subsequently, in the year 2006-07, Ph.D. programme in Computer Science & IT was introduced. In the year 2012 the department converted to a regular department from SFC mode. M.Phil. programme in Computer Science is introduced in 2015 with the intake of 10 students. The department strives to shape outstanding computer professionals and researchers to make them ready for the ever changing IT industry and Academia. The training and learning imparted aims to prepare the young minds for the challenging opportunities in the industry with a global awareness nourished and supported by expert supervision.

Seminars/Conference/Other Activities conducted by the Department: Nil

Research Publication:

A. Journal

1. Behera A.K., **Himabindu M.**, "Object Oriented Software Visualization for C++ programming, International Journal of Advances in Management, Technology & Engineering Science, vol 8, issue 3, pp 294-301, 2018.
2. Meenakhi Sahu, **HimaBindu Maringanti**, "A Rational Cognitive Architectural Model of Language Generation", Procedia Computer Science, **Elsevier**, DoI:10.1016/J.PROCS.2018.05.177.
3. K .Lakshmanarao and **Hima Bindu Maringanti**, "IbPaKdE: Identity-Based Pairing free Authenticated Key and Data Exchange Protocol for Wireless Sensor Networks", International Journal of Advanced Intelligence Paradigms, Inderscience Publication, 2019.
4. S Pradhan, S. Das , S. Nayak , **J.K. Mantri** An IOT Based Detection Model for the Level of Autism in a Context Aware Health Care, International Journal Of Computer Sciences And Engineering, ISSN 2347-2693, Vol7(3),pp152-156, (Feb 2019).
5. A.Sahoo, **J.K.Mantri** Stock market prediction using Text Mining approaches: A survey, International Journal of Computer sciences and Engineering, ISSN 2347-2693, Vol7(2),pp443-450, (Feb2019).
6. S. Biswas, **S. Dash**, A Hybrid Bootstrapping Approach for developing Odiya Named Entity Corpora from Wikipedia, International Journal of Engineering & Technology, 7 (4.38),11-16, ISSN 2227-524X, (2018)
7. B. Sahu, **S. Dash**, S. N. Mohanty, S. K. Rout, Ensemble Comparative Study for Diagnosis of Breast Cancer Datasets, International Journal of Engineering & Technology, 7 (4.15), 281-285, (2018).
8. M. Panda, **S. Dash**, A Framework for Testing Object Oriented Programs Using Hybrid Nature Inspired Algorithms, A. K. Luhach et al. (Eds.): ICAICR, CCIS 955, pp. 1–9, 2019. Springer Nature, Singapore, <https://doi.org/10.1007/978-981-13-3140-4>, 2018.
9. Biswas, S. **Dash S.** Acharya S. (2019) Firefly Algorithm Based Multilingual Named Entity Recognition for Indian Languages. In: Luhach A., Singh D., Hsiung PA., Hawari K., Lingras P., Singh P. (eds) Advanced Informatics for Computing Research. ICAICR 2018. Communications in Computer and Information Science, vol 955, pp 540-552. Springer, Singapore
10. Azam M., Atta-ur-Rahman, Sultan K., **Dash S.**, Khan S.N., Khan M.A.A. (2019) Automated Test Case Generation and Prioritization Using GA and FRBS. In: Luhach A., Singh D., Hsiung PA., Hawari K., Lingras P., Singh P. (eds), Communications in Computer and Information Science, vol 955, pp.571-584. Springer, Singapore
11. Atta-ur-Rahman, **Sujata Dash**, Mahi Kamaleldin, Areej Abed, AtheerAlshaikhussain, HebaMotawei, Nadeen Al. Amoudi, WejdanAbahussain, A Comprehensive study of mobile computing in Telemedicine, A. K. Luhachet. al. (Eds.):ICAICR 2018,CCIS 956, pp. 413-425, 2019. Springer, Singapore
12. Atta-ur-Rehman, **Sujata Dash**, Kiran Sultan, Muhammad Aftab Khan, Management of Resource Usage in Mobile Cloud Computing, International Journal of Pure and Applied Mathematics, Volume 119 No. 16, 2018, 255-261, ISSN: 1314-3395 (on-line version) 2018. Scopus Indexed. IF: 0.139

13. **S. Dash**, R. Thulasiram&P.Thulasiram, A Modified Firefly based Meta-SearchAlgorithm for feature selection: A Predictive Model for Medical Data, International Journal of Swarm Intelligence, IJSIR: Volume 10, Issue 2, Article 2, 2019, IGI Global, USA. Web of Science, and Scopus indexed. ISSN: 1947-9263
14. S. P. Swain, **P. K. Swain**, “Performance Analysis of a Priority Based Buffer-Aided Relaying System for WBAN”, International Journal of Computer Sciences and Engineering, Vol.7 (6), pp.1006-1011, 2019 (ISSN: 2347-2693(online)).
15. **P. K. Swain**, P. K. Panda, “Performance Analysis of Resource Allocation in LTE Cellular Network”, Journal of Computer and Mathematical Sciences, Vol.10 (4), pp.705-713, 2019. (ISSN:0976-5727 (Print), 2319-8133(Online)).

B. Book Chapter/Book

1. **J.K.Mantri**, R.Mishra, P.Gahan (2019)A Novel encryption Scheme using Hybrid Cellular Automata, Proceedings of ICIT (IEEE), ISBN-13: 978-1-7281-6052-8,pp 382-87
2. M. Panda & **S. Dash**, A hybrid metaheuristic approach for model based testing of object oriented programs. In: Proceeding ICTCS, 2019, published in CRC Press, Taylor and Francis, WoS, Scopus, Google, Scholar, 2019
3. Ahmed N., Atta-ur-Rahman, **Dash S.**, Mahmud M. (2019), Flood-Prediction Techniques Based on Geographical Information System Using Wireless Sensor Networks. In: Kolhe M., Trivedi M., Tiwari S., Singh V. (eds) Advances in Data and Information Sciences. Lecture Notes in Networks and Systems, vol 39. Pp. 361-374, Springer, Singapore
4. M. Panda, **S. Dash**, A Framework for Testing Object Oriented Programs Using Hybrid Nature Inspired Algorithms, A. K. Luhach et al. (Eds.): ICAICR 2018, CCIS 955, pp. 1–9, 2019. Springer Nature, Singapore. https://doi.org/10.1007/978-981-13-3140-4_, ISBN: 978-981-13-3143-5
5. Biswas S., **Dash S.**, Acharya S. (2019) Firefly Algorithm Based Multilingual Named Entity Recognition for Indian Languages. In: Luhach A., Singh D., Hsiung PA., Hawari K., Lingras P., Singh P. (eds) Advanced Informatics for Computing Research. ICAICR 2018. Communications in Computer and Information Science, vol 955, pp 540-552. Springer, Singapore
6. Atta-ur-Rahman, **Sujata Dash**, Mahi Kamaleldin, Areej Abed, Atheer Alshaikhussain, Heba Motawei, Nadeen Al. Amoudi, Wejdan Abahussain, A Comprehensive study of mobile computing in Telemedicine, A. K. Luhach et. al. (Eds): ICAICR 2018,CCIS 956, pp. 413-425, 2019. Springer, Singapore, ISBN: 978-981-13-3143-5
7. Azam M., Atta-ur-Rahman, Sultan K., **Dash S.**, Khan S.N., Khan M.A.A. (2019) Automated Test Case Generation and Prioritization Using GA and FRBS. In: Luhach A., Singh D., Hsiung PA., Hawari K., Lingras P., Singh P. (eds) Advanced Informatics for Computing Research. ICAICR 2018. Communications in Computer and Information Science, vol 955, pp.571-584. Springer, Singapore
8. A. Swain, A. K. Ray, **P. K. Swain** “Reservation based resource allocation with dynamic admission probability for WSN-MCN Convergence network”, Proceedings of International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering-2018, ISBN- CFP 18P98-PRT/978-1-5386-5994-6

Conference/Seminar/Workshop/Symposia/Faculty Development Programme Attended

Prof. Hima Bindu Maringanti

1. Bishwamitra Rana, Hima Bindu Maringanti, “Study of Long Term Effect (LTE) of Sudarshan Kriya (SK) and Music Listening (ML) using EEG Analysis of Human Brain Response (HBR)” presented at the 13th Western Pacific Acoustics Conference, WESPAC 2018 New Delhi.(IEEE/Scopus).

Dr. J.K. Mantri

1. D. Banerjee, J. K. Mantri & A. Mohanty, “Enabling Distance Education through Solar Power Backed Internet System” “International Conference on New Trends in Engineering & Technology”, 07-08 September 2018, Tamil Nadu, IEEE

Dr. S. Dash

1. F. A. Alhaidari, A. Rahman, A. Alghamdi & S. Dash, Motion Detection in Digital Video Recording Format with Static Background, International Conference on Smart Innovation, Ergonomics and Applied Human factors (SEAHF), Madrid, Spain, Proceeding is published by Smart Innovations, Systems and Technologies, 2019, Springer Nature.
2. S. Dash, A. Abraham & A. Rehman, Kernel based Chaotic Firefly Algorithm for Diagnosing Parkinson's Disease, 18th International Conference on Hybrid Intelligent Systems (HIS 2018) Held in Porto, Portugal, pp.176-188, December 13-15, 2018, Proceeding is published by “Advances in Intelligent Systems and Computing”, 2018, indexed in ISI Proceedings, DBLP, Ulrich's, EI-Compendex, SCOPUS, Zentralblatt Math, MetaPress, Springerlink, https://doi.org/10.1007/978-3-030-14347-3_18

Dr. P. K. Swain

1. Attained Refresher Course at UGC-Human Resource Development Centre, Guru Ghasidas University, Bilaspur from 16-06-2018 to 06-07-2018

Mr. S. Bissoyi

1. Bissoyi, S. and Patra, M.R., Mapping Clinical Narrative Texts of Patient Discharge Summaries to UMLS Concepts, In proceedings of 3rd International Conference of Advanced Computing and Intelligent Engineering, Dec, 2018
2. Sahu, M. and Bissoyi, S., Automatic Topic Identification in Odia Language, In Proceedings of National Seminar on Future Trends in Artificial Intelligence & IoT, Mar, 2019
3. Sahu, M. and Bissoyi, S., Applying Topic Modeling on Tweets in Odia language, In Proceedings of National Seminar on Innovative Applications of Information Technology, Mar, 2019
4. Refresher Course at UGC-Human Resource Development Centre, Guru Ghasidas University, Bilaspur from 16-06-2018 to 06-07-2018
5. 3rd International Conference of Advanced Computing and Intelligent Engineering, SOA, Dec, 2018
6. National Seminar on Future Trends in Artificial Intelligence & IoT, Berhampur University, Mar, 2019

Research Activity (Guidance)

A. Ph.D.

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Meenakhi Sahu	Cognitive Modelling of Language Processing	Prof. Himabindu M	Awarded
2	Sk Riazur Raheman	Slicing Aspect Oriented Programs	Prof. Himabindu M	Awarded
3	Sipali Pradhan	Real Time Healthcare using Internet of Things	Dr. J.K. Mantri	Awarded
4	Sanjay Kumar Sen	Use of Learning Algorithm for the Management of Intelligent Learning Agents	Dr. S. Dash	Awarded

B. M. Phil

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Hrudananda Mohanta	DEA based Analysis for Efficiency of Schools under KVS	Dr. J.K. Mantri	Awarded
2	Priyanka Priyadarsani Jena	Secure Data Transmission Using Goldbach Codes and RSA Algorithm	Dr. J.K. Mantri	Awarded

3	Sonalika Nayak	Design and Performance Analysis of Rural Aqua Culture Ponds using IoT	Dr. J.K. Mantri	Awarded
4	Satya prakash Swain	Performance analysis of a priority based buffer aided relaying system for WBAN	Dr. P.K. Swain	Awarded
5	Monalisa Sahoo	Applying topic modeling on tweets of odia language	Ms. S. Bissoyi	Awarded

Project: Nil

Awards/Medals/Recognition Received

Prof. Hima Bindu Maringanti

1. Recipient of the *Distinguished Woman in Engineering – Computer Science Award* on 3rd March 2018 by Venus International Foundation at Chennai.
2. Receipt of the *National Educational Leadership Award* on 4th April 2019 by Economic Growth Society of India at New Delhi.

Dr. S. Dash

1. Awarded with UGC Travel grant 2018 to attend HIS 2018 at Portugal.
2. Awarded with IARDO Award for Excellence – 2018, on the occasion of International Award Conference on Multidisciplinary Research and Latest Innovation, “International Association of Research and Developed Organization in association with Gurukul Institute of Engineering & Technology, Kota, on 28th of October 2018.
3. Awarded with “AdarshVidhyaSaraswatiRastriyaPuraskar” by Glacier Journal Research Foundation, Global Management Council, Gujarat on 2nd April, 2018.

Patents

1. A Collaborative Unmanned Aerial Vehicle (Uav) System, Application no. 201931031317 Publication no. 37/2019
2. Artificial Intelligence based system and method to diagnose Parkinson’s disease, Application no. 201941024901, and Date of filing. 23-06-2019
3. Method for detection and restoration of the crack digital images, Application no. 201921025348
4. Iot Based Integrated Device And System For Health Analysis, Application no. 201931039857, Publication no. 45/2019
5. A Novel Selection Algorithm Based On Similarity Theory, Application no. 201941037560, Publication no. 41/2019
6. System And Method For Automatically Detecting Plagiarism, Application no. 201931034352, Publication no. 37/2019

(v) DEPARTMENT OF ECONOMICS

The post graduate department of Economics of North Orissa University was established in the year 2004. At present the department constitutes five faculty members and around 100 students. Faculty members are actively engaged in teaching and research activity. A good number of students engaged in Ph.D work under the direct supervision of faculty members. This year 3 students have been awarded scholarship under RGNF scheme. In addition to regular curricular activities the department organizes in- house seminar, post-budget analysis session, welcome ceremony for the fresher farewell function for the outgoing students, Saraswati puja, Ganesh puja and Annual function as extra-curricular activities every year.

Seminar/Conference/other activities conducted by the Department: Nil

Research Publication

A. Journal

1. **Lenka, J.**, Growth of Industries and employment Perspectives, Orissa Economic Journal, pp 13 – 22, Vol.50, No1&2, 2018.
2. Ota, A. And **Lenka, J.**, Tribes of Odisha: Performance in Vital Development Indicators, TSJCOATS, pp 56-63, Vol.6, No.1 , 2018.
3. Bhuian, R.K., **Lenka, J.** And Mallick, M., Role of District Industries Centre to Promote Business Growth of Micro, Small and Medium Enterprises: Empirical Evidence from Mayurbhanj District of Odisha, International Journal of Humanities and Social Science Invention, pp31-38, Vol.7, Issue 04, April-2018.
4. **Patra, A.K.**, Demographic Dividend and Problem of Unemployment: A Group Specific Approach, Orissa Economic Journal, pp. 64-72, Vol.50 (1&2), January-December, 2018.
5. **Patra, A.K.** and Acharya, A., Socio-Economic Status of Household and Health Insurance in India: An Analysis, Finance India, pp. 1301-1312, Vol.32 (4), 2018.
6. **Patra, A.K.**, Government Initiative to Solve the Problem of Malnutrition in Odisha: An Assessment, Journal of Economic & Social Development, pp. 25-36, Vol.14 (1), 2018.
7. Majhi, H. and **Mallick, M.**, Health Infrastructure Development in Tribal Districts of Odisha: An Analysis, *Orissa Economic Journal*, pp.126, Vol. 50 (1&2), 2018.
8. Pattanayak, U. and **Mallick, M.**, A Study on Irrigation and Agricultural Productivity in Odisha, *Economic Affairs*, pp 317-323, Vol. 63 (2), 2018.
9. Bhuyan, R., **Lenka, J.** and Mallick, M., Role of District Industries Centre to Promote Business Growth of Micro, Small and Medium Enterprises: Empirical Evidence from Mayurbhanj District in Odisha, *International Journal of Humanities and Social Science Invention*, pp 31-38, Vol-7 (4), 2018.
10. Mishra, P.A. and **Sahu, K.K.**, Performance of Life Insurance Corporation in Keonjhar District of Odisha, Asian Resonance, pp. 77-83, Vol. 7 (3), 2018.
11. **Sahu, K.K.**, Gender wise Development of Education in Odisha, Orissa Economic Journal, pp. 271-275, Vol. 49 (1&2), 2018.
12. Mishra, P. and **Jena, P.K.**, Effects of DeenDayalUpadhyayaGrameenKaushalyaYojana (DDU-GKY) on Employment and Income in Keonjhar District of Odisha, Journal of Productivity, Vol.59 (3), 2018
13. **Jena, P.K.** and Khilar, N., Empirical Study on the Determinants of Human Development in the India States, Journal of Economic Policy & Research, Vol. 13 (1), 2018.

B. Book/Book Chapter

1. **Lenka, J.**, Mohanty, M. and Jena, P., Prathamika Byasti O Samasti Arthaniti Vidyapuri, Cuttackm 2018.
2. **Sahu, K. K.**, Mapping Vulnerability of Food Insecurity in India, edited book, Economic Development in India, Issues and Challenges, 978-93-7831-458-2, pp- 358- 392, 2018.
3. **Sahu, K. K.**, Sustainability of Non Timber forest Products and Tribal Livelihood, in edited book, Climate Change, Agriculture and Environment, 978-81-9375-136-7, pp- 118-136, SSDN Publishers & Distributors, New Delhi, 2018.

Seminars, Conferences, Symposia attended

Prof. J. Lenka

1. Chairman of the Technical session and Presented a paper titled Growth of Industries and Employment Perspectives, in the National Seminar on Human Development in India: A State Level Analysis, organized by Rabindra Bharati University, Kolkata on 23rd March, 2018.
2. Presented a paper on Growth of Industries and Employment Perspective at EBES Conference, organized by FOM University Berlin, Germany during 23-25 May, 2018.

Dr. A. K. Patra

1. Presented a paper titled 'Disparities in Health Outcomes of Empowered Action Group States of India: A Panel Data Approach' in the International Seminar on Maternal and Child Health in Empowered Action Group States: Sustainable Development Goals Perspective, organized by A N Sinha Institute of Social Studies, Patna, during 5th & 6th April, 2019.
2. Participated in One day Training Workshop on All India Survey on Higher Education, organized by NCDS, Bhubaneswar, 15th February, 2019.
3. Participated in 51st Annual Conference of Orissa Economics Association, organized by Kendrapara Autonomous College, during 09th & 10th February, 2019.
4. Participated in Seven-day short term course titled TEQIP III Sponsored Winter School on Advanced Research Methods in Econometrics and Statistics, organized by National Institute of Technology Durgapur, West Bengal, during 3-9 December, 2018.

Dr. M. Mallick

1. Participated in Two-week long Workshop on Recent Advances in Research Methodology in Social Sciences, organized by Nabakrishna Choudhury Centre for Development Studies, Odisha, during 16-30, November, 2018.
2. Presented a paper titled "Sustainable Agriculture: A Way to Ensure Food Security in ICSSR Sponsored National Seminar on Participation of Indigenous Tribes in Bio-Diversity Conservation, organized by Centre for Similipal Studies and Department of Anthropology & Tribal Studies, North Orissa University, during 21-22 January, 2019.
3. Presented a paper titled "Causes, Consequences and Policies of Climate Change: India's Perspective in International Conference on Socio-Economic Impact of Climate Change and Urbanisation, organized by PG Department of Economics, Berhampur University, Odisha, during 2-3 February, 2019.
4. Acted as Rapporteur in International Conference on Socio-Economic Impact of Climate Change and Urbanisation, organized by PG Department of Economics, Berhampur University, Odisha, during 2-3 February, 2019.

Dr. K.K. Sahu

1. Presented a paper entitled Sustainability of Non Timber forest Products and Tribal Livelihood, in the International Conference on Socio- Economic Impact of Climate Change and Urbanisation, organized by Berhampur University, Bhanja Bihar, Berhampur, during 2-3 February, 2019.
2. Presented a paper entitled Determinants and Management of Non Timber forest Products in Mayurbhanj District of Odisha, in the ICSSR Sponsored National Seminar on Participation of Indigenous Tribes in Biodiversity Conservation, organized by North Orissa University, Baripada, during 21-22 January, 2019.
3. Presented a paper entitled Foreign Direct Investment and Economic Growth in India, in the 101th Annual Conference of Indian Economic Association, Vellore Institute of Technology, Vellore, Tamil Nadu, 27-29 December, 2018.
4. Participated in Two Weeks Workshop on Recent Advances in Research Methodology in Social Sciences at NCDS, Bhubaneswar during 16-30 November, 2018.

Faculty Development Programme: Nil

Research Activity (Guidance)**A. Ph.D**

Sl. No	Name of the Candidate	Title	Supervisor	Status Awarded/submitted
1	Prasanta Kumar Das	A Study on Performance of Regional rural Banks in Rural	Prof. J. Lenka & Dr. K.K. Sahu	Awarded

		Development		
2	Ranjan Kumar Bhuian	Role of District Industries Centre in Economic Development : A Case Study in Mayurbhanj District in Odisha	Prof. J. Lenka	Awarded
3	Sabita Soren	Human Development : A study on Mayurbhanj District of Orissa	Prof. J. Lenka	Awarded
4	Sarmila Chakraborty	Tribal Development Policies and Occupational Diversification: A Study of Mayurbhanj District in Orissa	Dr. K.K. Sahu	Awarded

B. M.Phil Awarded

Sl. No	Name of the Candidate	Title	Supervisor	Status Awarded/ submitted
1	Dhananjay Gochhayat	The impact of Climate Change on Major agricultural crops : Evidence from Odisha	Prof. J Lenka	Awarded
2	Priyambada Padhihari	A Study on Economic Empowerment of Women in Kandhamal District	Dr. A.K. Patra	Awarded
3	Pankaj Patra	A Study on Rashtriya Swasthya Bima Yojana (RSBY) in Bahalada Block in Mayurbhanj District of Odisha	Dr. A.K. Patra	Awarded
4	Pradeep Soren	Impact of Education on Economic Status of Tribal People in Mayurbhanj District of Odisha	Dr. M.Mallick	Awarded
5	Simanjali Das	An Economic Analysis of Online Shopping: A study in Dhenkanal District of Odisha	Dr. K.K. Sahu	Awarded
6	Bidya Bharati Das	Agricultural Credit and Farm Productivity of Major Crops in Cuttack District of Odisha	Dr. P.K. Jena	Awarded

Project

Sl No	Title of the Project	Funding Agency	Amount	Duration	PI/Co-PI
1	Factor Productivity and Marketed Surplus of NTFPs: A Study on STs in Similipal Area of Mayurbhanj District of Odisha	ICSSR, New Delhi	350000/-	1 year	Pratap K Jena

The PG Department of Physics was established in the year 2004. Teaching in four courses namely M.Sc., M.Phil., Pre-Ph.D and Ph.D. is imparted for respective degrees. The Department is functioning in Academic Block-3 with adequate facility. Experimental works with many types of equipment for various courses are in progress and order. All faculty members are publishing papers with good impact factors with maximum 6.63. Various projects funded by different funding agencies like UGC, DST, BARC, DAECRS, IUAC etc are running by our faculty members. The areas of research include Solid State Physics, Particle Physics, Quantum Mechanics., etc. In this session 07 and 04 number of students qualified GATE and NET respectively.

Research Publication:

A. Journal

1. Sonali Patnaik, P.C. Dash, **Susmita Kar** and N. Barik, “Electromagnetic transitions of ($b\bar{c}$) bound system”-Phys. Rev. D 97, 056025 (2018).
2. S. K Behera, **P. S Sahoo**, B.B Mohanty, L.K .Mishra, R.N.P Choudhary, “Synthesis and Dielectric characterization of Zr modified Calcium Bismuth Titanate”, Journal of emerging technologies and innovative research 6(3), 780-786 (2019)
3. L.K. Mishra, **P.S Sahoo**, B.B Mohanty, S.K Behera, R.N.P Choudhary, “Dielectric Dispersion in Antimony substituted Barium Bismuth Titanate”, Journal of emerging technologies and innovative research 6(2), 575-581 (2019)
4. D. Panda, B. B. Mohanty, **P.S. Sahoo**, R.N.P.Choudhary, “Effect of Zr on Dielectric, Ferroelectric and Impedance Properties of $\text{Na}_{0.5}\text{Bi}_{0.5}\text{Ti}_{0.8}\text{Zr}_{0.2}\text{O}_3$ Ceramics”, IJRESM 2(12), 514-518 (2019)
5. D. Panda, B. B. Mohanty, **P.S. Sahoo**, R.N.P. Choudhary, “Structural and Dielectric Properties of $\text{Li}_{0.5}\text{Bi}_{0.5}\text{Ti}_{0.8}\text{Zr}_{0.2}\text{O}_3$ Ceramics”, Open Access Library Journal 6, e4834 (2019)
6. B. B. Mohanty, **P.S. Sahoo**, B.K. Giri, D. Panda and R.N.P. Choudhary, “Effect of Zr substitution on the conductivity of $\text{Ba}_5\text{GdTi}_3\text{V}_7\text{O}_{30}$ ceramics”, Orissa Journal of Physics 26(2), 79-85 (2019)
7. P. Patra, **I. Naik**, H. Bhatt & S. D. Kaushik “Structural, infra-red spectroscopy and magnetic properties of ZnMn_2O_4 ”, Physica B – Condensed Matter, (Accepted)
8. R. R. Swain, C. Dash, P. K. Moharana, **I. Naik** & B. B. Sahu, “Possible shell or sub-shell closure around $A = 220$ ” Proceeding of the DAE Nuclear Physics Symposium, 63, 142 – 143 (2018).
9. U. Mohanty, S. D. Kaushik, H. Bhatt, M. N. Deo & **I. Naik** “Neutron diffraction and magnetic behavior of ilmenite MnTiO_3 ” AIP Conference Proceedings, 2115, 030514 (2019)
10. S. Mohanta, S. D. Kaushik & **I. Naik** “Coexistence of spin-canting and metamagnetism in tetragonal distorted spinel CuMn_2O_4 ”, Solid State Communications, 287, 94 (2019)
11. P.K. Das, R. Biswal, R.J. Choudhary, V. Sathe, V. Ganesan, S.A. Khan, N.C. Mishra and **P. Mallick**, “Effect of 120 MeV Au Ion Irradiation on the Structure, Microstructure and Surface Morphology of ZnO/NiO Heterojunction”, Surf. Interface Anal. 50, 954-961 (2018)
12. B. Rath, A. Nanayakkara, **P. Mallick** and P.K. Samal, “SUSY quantum mechanics for PT symmetric systems”, Proc. Natl. Aca. Sci., India, Sect. A Phys. Sci. 88(4), 633-638 (2018)
13. P. Mohapatra, B. Rath and **P. Mallick**, “Spectral Analysis on Swanson's Hamiltonian”, Acta Physica Polonica B 49, 1813-1821 (2018)
14. B.B. Tripathy, M. Behera, H. Rath, **P. Mallick** and N.C. Mishra, “Evolution of Microstructure and Optical Properties of TiO_2/Au Nanocomposite”, Indian J. Pure Appl. Phys. 57, 95-100 (2019)
15. U.K. Panigrahi, P.K. Das, P.D. Babu, N.C. Mishra and **P. Mallick**, “Structural, optical and magnetic properties of $\text{Ni}_{1-x}\text{Zn}_x\text{O}/\text{Ni}$ nanocomposite”, SN Applied Sciences 1, 438 (2019)
16. H. Biswal, V. Singh, R. Nath, S. Angappane, **J.R. Sahu**, “Magnetic and magnetocaloric properties of $\text{LaCr}_{1-x}\text{Mn}_x\text{O}_3$ ($x = 0, 0.5, 0.1$)”, Ceramics International (Accepted)

Conference/Seminar/Workshop/Symposia Participated and Presented:

Prof. Susmita Kar

1. Acted as chairperson in one of the session of 16th Conference on “Flavor Physics & CP Violation” held at University of Hyderabad during 14th-18th July, 2018.

Dr. P.S. Sahoo

1. Presented a paper entitled “Complex Impedance properties of Ba₅GdTi₂ZrV₇O₃₀ Vanadates” International Seminar on Emerging Trends in Physics and Applications (ISEPTA-2019), organised by Department of Physics, Parala Maharaja Engineering College, Berhampur, Odisha, India, on 02nd -04th, 2019
2. Presented a paper entitled “Current Research in Ferroelectric oxides” in National Seminars on Science of Engineering Materials”, Department in Materials Science and Geology, NOU, 2nd Campus, Keonjhar, Odisha, India, 3rd -4th, April, 2019

Dr. I. Naik

1. Participated in National level workshop on “The Briefing of ODL Manual with Specific Reference to Learning Support Centres of Universities” at NAAC, Bangaluru (INDIA): June 10, 2019.

Dr. P. Mallick

1. Delivered an invited talk in the National Conference on “Science of Engineering Materials” at 2nd Campus of North Orissa University, Keonjhar during 03-04 April, 2019
2. Presented a paper in the International Seminar on “Emerging Trends in Physics and Applications” & 36th Annual Convention of Orissa Physical Society at Parala Maharaja Engineering College, Berhampur during 02-04 February, 2019
3. Presented a paper in the International Conference on “Nanoscience and Nanotechnology(ICONN 2019)” at SRM Institute of Technology, Chennai during 28-30 January, 2018
4. Delivered an invited talk in the National Seminar on “Science of Engineering Materials” at 2nd Campus of North Orissa University, Keonjhar on 20 December, 2018
5. Presented a paper in the National Conference on “Condensed Matter Physics” at The University of Burdwan, West Bengal during 29-31 August, 2018

Dr. J.R. Sahu

1. Presented a paper titled “Magnetic and magnetocaloric properties of LaCrO₃” in National conference on innovative structural materials (NCISM) held by Advanced Engineering materials research foundation, Rasulgarh, Bhubaneswar during 24th-25th Dec. 2018.
2. Presented a paper titled “Modification of MCE properties of LaCrO₃ upon Mn substitution” in National conference on science of engineering materials held in Dept. of Material science and Geology, NOU second campus, Keonjhar during 3rd -4th April 2019.

Faculty Development Programme:

Dr. I. Naik successfully completed the Refresher Course on “*Experimental Physics*” at Maharani Lakshmi Ammanni College for Women, Bangalore, Karnataka (INDIA) during November 23 – December 08, 2018.

Research Activity (Guidance)

A. Ph.D.

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Jagadananda Panda	Synthesis and characterization of Nd modified Tungsten Bronze Ceramics	Dr. P.S. Sahoo	Awarded
2	Srikrushna Mohanta	Study of structural, transport, magnetic and dielectric properties on CuMn ₂ O ₄	Dr. I. Naik	Submitted

B. M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Himanshu S. Barik	Study of $B_c \rightarrow \psi(2S)\pi$ decay	Prof. S. Kar	Awarded
2	Yangyadutta Nayak	Mass spectrum of bottom and charm flavored mesons	Prof. S. Kar	Awarded
3	Archana Rout	Effect of Sr concentration on the impedance properties of $Ba_{5-x}Sr_xYTi_3V_7O_{30}$ ($x=1,3$) ceramics	Dr. P.S. Sahoo	Awarded
4	Jignyasini Behera	Comparison of dielectric properties of $Ba_7SrYTi_3V_7O_{30}$ and $Ba_2Sr_3YTi_3$ vanadate	Dr. P.S. Sahoo	Awarded
5	Jignyasini Behera	Magnetic, Dielectric and Their Coupling Behavior in $TbMn_2O_5$ & $DyMn_2O_5$	Dr. I. Naik	Awarded
6	Jyotiranjana Pusti	Synthesis and UV-Visible Spectroscopic Characterization of Magnesium Hydroxide and Magnesium Oxide Nanoparticles	Dr. P. Mallick	Awarded
7	Arpita Das	Synthesis and UV-Visible Characterization of Zinc Oxide Nanoparticles	Dr. P. Mallick	Awarded
8	Niladri Bihari Pattnaik	Study of multiferroic properties of $RMnO_3$ ($R=Tb, Dy$)	Dr. J.R. Sahu	Awarded

Project

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
1	Studying effect of non-magnetic element ($A = Ti, Zn$) substitution in spinel $CuMn_2O_4$ by employing neutron diffraction	UGC-DAECSR, Mumbai	8.71 Lakhs	01/01/2016 to 31/12/2019	Dr. I. Naik
2	Evolution of Properties of NiO/ZnO pn Junction Under SHI Irradiation	IUAC, New Delhi	6.03 Lakhs	08.09.2015 to 30.12.2019	Dr. P. Mallick
3	Probing into the Evolution of Magnetic Structure in $Ni_{1-x}A_xO$ ($A= Zn, Mg$) by Neutron Scattering	UGC-DAECSR, Mumbai	12.38 Lakhs	16.01.2017 to 31.12.2020	Dr. P. Mallick
4	Investigation of magnetocaloric effect in various oxides	DST, Odisha	9.36 lakhs	24.02.2018 to 28.02.2021	Dr. J.R. Sahu

(vii) DEPARTMENT OF SANTALI

About the Department: - M.Phil also started in 2018-19 session in our department. In this session, M.A. in Santali 25 students and 1 student got admission in M.Phil. for the second year more students admitted from last year. This year also i finished all classes alone.

Seminars/Conference/Other Activities conducted by the Department: - Nil

Research Publication:

1. J.N. Besra, Santal Saonta re Dasai reyag Mahatwa, Parsi Bagan, 2nd issue-2018, pg. No- 20 to 24.

Conference/Seminar/Workshop/Symposia Participated and Presented:

Dr. J.N. Besra

1. Attended Conference on “Travelogue in Santali Literature” Conducted by Juwan Onoliya, Sundernagar, Jamshedpur, held on – 28th January, 2018
2. Attended Workshop on, “Preparation of Santali Script Book” From 05th to 09th February, 2018, Organized by Eastern Regional Language Centre, Laxmisagar, Bhubaneswar.
3. Attended Workshop on, “Finalisation of Santali Intensive Course” From 11th to 15th February, 2018, Organized by Eastern Regional Language Centre, Laxmisagar, Bhubaneswar.
4. Attended Workshop on, “Preparation/Finalization of Santali Intensive Course” From 04th to 08th June 2018, Organized by Eastern Regional Language Centre, Laxmisagar, Bhubaneswar.
5. Attended Conference on “Youth Santali Literature in Odisha” Conducted by All India Santali Writer’s Association, Odisha, held on- 07th October 2018.

Research Activity (Guidance):

M.Phil

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Dukhu Marndi	Odisha ponot reyak santali gayan saunhed reyak mid polhan	Dr. Jatindra Besra	Awarded

(viii) DEPARTMENT OF ZOOLOGY

"To be among the leading university departments internationally for zoological research, teaching and learning, where pursuit of knowledge and excellence shall reign supreme, impervious to the barriers of nationality, sex, language, cultural plurality and religion with a reputation for friendliness, collegiality and environmental and societal responsibility."

Research Publication

A. Journal

1. H.S.Palei, S.Debata and **H.K.Sahu**, Seasonal occurrence of plant seeds in Sloth Bear diets in eastern India. *Int. J. of Higher Edu. and Res.*, 180-188, 8, 2018.
2. Nibedita Mohapatra and **Puspanjali Parida**, Effect of protein, lipid, reduced glutathione, ascorbic acid and lipid peroxidation level of the earthworm, *Eudriluseugeniae* exposed to furadan, curcumin and vitamin A IJAR, 408-411, 8, 2018.
3. **Puspanjali Parida** and Amir Kumar Mallik (2018). Effect of furadan on protein, lipid peroxidation and reduced glutathione level of liver of *Gallusgallusdomesticus in vitro* IJAR, 272-273, 8, 2018.
4. **Puspanjali Parida** and Aeman Naaz (2018). Effect of ferric chloride on protein, lipid, reduced glutathione, lipid peroxidation, superoxide dismutase and catalase level of *Eudriluseugeniae* IJAR, 274-276, 8, 2018.
5. Jiang Y, Zhu C, He D, Gao Q, Tian X, Ma X, Wu J, Das BC, Severinov K, Hitzeroth II, **Debata PR**, Liu R, Zou L, Shi L, Xu H, Wang K, Bao Y, Ka-Kit LR, You Z, Cui Z, Hu Z. Cytological Immunostaining of HMGA2, LRP1B, and TP63 as Potential Biomarkers for Triaging Human Papillomavirus-Positive Women. *Transl Oncol*, 959-967, 12, 2019.
6. Tian R, Cui Z, He D, Tian X, Gao Q, Ma X, Yang JR, Wu J, Das BC, Severinov K, Hitzeroth II, **Debata PR**, Xu W, Zhong H, Fan W, Chen Y, Jin Z, Cao C, Yu M, Xie W, Huang Z, Bao Y, Xie H, Yao S, Hu Z. Risk stratification of cervical lesions using capture sequencing and machine learning method based on HPV and human integrated genomic profiles. *Carcinogenesis*. 2019.

7. Pratyush Mohapatra, Sushil Kumar Dutta and **Cuckoo Mahapatra**, Odisharasa pakatha (In Odia). Nature Environment and Wildlife Society (NEWS), Angul. ISBN: 819382600-0, 2019

B. Book and Book Chapter

1. S.Jena and **H.K.Sahu**, Traditional medicinal use of Insects among the tribes of Baripada, Mayurbhanj, Odisha, In: Tribal Health – A Regional Perspective (Edited by Laxman Kumar Sahoo), ISBN 978-93-86611-11-6, Serials Publications (P) Ltd., 2018.
2. **Puspanjali Parida**, Herbal medicine used by the Santal of Keonjhar district, Odisha. In: Tribal Health – A Regional Perspective (Edited by Laxman Kumar Sahoo), ISBN 978-93-86611-11-6, Serials Publications (P) Ltd., 118-127, 2018.
3. **Puspanjali Parida**, Municipal solid waste management by vermicomposting (Communicated)
4. Pani S, **Debata PR**, Bioactive phytochemicals for the treatment of HPV mediated cervical cancer, Health Sciences: Basic research approaches, ISBN: 817019604-2, 21-24, 2018.
5. **Cuckoo Mahapatra**, Anuran tail resorption as a model to study lysosomal enzyme mediated cell death. In H.N. Thatoi and S.K. Nayak (eds) Biotechnology for Sustainable Utilization of Bioresources. Daya Publishing House, a unit of Astral International Pvt. Ltd: 191-202, 2019
6. **G. Mohanty** Use of Molecular Diagnostics In Tribal Health, In: Tribal Health – A Regional Perspective (Edited by Laxman Kumar Sahoo), ISBN 978-93-86611-11-6, Serials Publications (P) Ltd., 2018.

Conference / Seminar / Workshop/ Symposia / Faculty Development Programme attended

Prof. H. K. Sahu

1. Participated in the National Knowledge Conclave for Colleges and Universities at Nimli. Rajasthan conducted by Centre for Science and Environment held on 30th January to 2nd February 2018.
2. Participated in the Fourth International Conference on Environment and Ecology at Gauhati University, Gauhati, Assam held on 12-14th February 2018.
3. Participated in the Conference of Society for Conservation Biology Asia Section at AMITY Institute of Forestry and Wildlife, New Delhi held on 19-20th March 2018.
4. Participated in the Asian Big Cat Conservation Genetics Workshop in Collaboration with Seoul National University held at AMITY Institute of Forestry and Wildlife, New Delhi held on 21-23rd March 2018.
5. Participated in the 11th International Conference on Agriculture, Biological, Environment and Medical Sciences at Bangkok, Thailand held on 27-28th April 2018.
6. Participated in the International Conference on recent trends in health, environment, agriculture & Life Sciences at Asian Institute of Technology, Bangkok, Thailand held on 19- 22th November 2018.

Dr Puspanjali Parida

1. Participated in the International Conference celebrating 100 years of Zoology, University of Calcutta, INTZOOCON 2018 held at Ramakrishna Mission Institute of Culture, Golpark, Kolkata held on 1st -3rd February 2018.
2. Participated in the 20th Odisha Bigyan “O” Paribesh Congress and National Seminar on “Science for Society” held at NISER, Bhubaneswar, Jatni, Khordha held on 17th -18th November 2018.

Dr Priya Ranjan Debata

1. Participated in the International Conference celebrating 100 years of Zoology, University of Calcutta, INTZOOCON 2018 held at Ramakrishna Mission Institute of Culture, Golpark, Kolkata held on 1st -3rd February 2018.
2. Participated in the National Seminar on Biological Science for Human Welfare: Teaching and Research in modern perspective, (BIOSEM-2018), Berhampur Girls College, Murshidabad, West Bengal, held on 29-30th September 2018 (Invited talk) Abstract book no. IL-29, page 33

- Participated in the BRICS multilateral joint science and technology research collaboration Workshop, University of Cape town, South Africa held on 24-25th March 2018.

Dr Cuckoo Mahapatra

- Participated in the International Conference celebrating 100 years of Zoology, University of Calcutta, INTZOOCON 2018 held at Ramakrishna Mission Institute of Culture, Golpark, Kolkata held on 1st -3rd February 2018.
- Participated in the National Seminar on Participation of Indigenous tribes in Biodiversity Conservation held at North Orissa University, held on 21st-22nd January, 2019. (Treasurer)
- Participated in the International Conference on Biodiversity and Sustainable Development: Strategies for future held at N.C. College, Jajpur held on 29th-30th January, 2019.
- Participated in the National Seminar on Future India: Science and Technology at KIIT, deemed to be University, Bhubaneswar held on February 1st-2nd, 2019.
- Participated in the National Conference on Advances in Zoology at Utkal University, held on 2nd-3rd March, 2019.

Dr Gargee Mohanty

- Participated in the 20th Odisha Bigyan “O” Paribesh Congress and National Seminar on “**Science for Society**” held at NISER, Bhubaneswar, Jatni, Khordha held on 17th -18th November 2018
- Participated in the International Conference on Biodiversity and Sustainable Development: Strategies for future at N.C. College, Jajpur held on 29th-30th January, 2019.

Faculty Development Programme

- Dr Priya Ranjan Debata** successively completed Refresher Course on Summer School Research Methodology (Interdisciplinary) in Guru Ghasidas University, Bilaspur, from 16th June -06th July 2018.
- Dr Cuckoo Mahapatra** successively completed 102nd Orientation Programme at Rani Durgavati Vishwavidyalaya, Jabalpur, Madhya Pradesh from 16th July 2018 to 11th August 2018.
- Dr G. Mohanty** successively completed Orientation Programme of 28 days at Sambalpur University, Sambalpur 22 Nov-19 Dec 2018.

Research Activity (Guidance)

A. Ph.D.

Sl. No	Name of Candidate	Title	Supervisor	Status
1	Nimain Charan Palei	Interstate migration of Elephant and its implication on human society in Orissa.	Prof. H. K. Sahu	Awarded

A. M.Phil.

Sl. No	Name of Candidate	Title	Supervisor	Status
1	Namrata Singh	Studies on antimicrobial evaluation of crude raw extract and methanol extract of Red Weaver ant (<i>Oecophylla smaragdina</i>) : An edible insect in Mayurbhanj district of Odisha, India.	Prof. H. K. Sahu	Awarded
2	Chinmayee	Keshari Isolation, characterization and Identification of bacteria and fungus from Red Weaver ant (<i>Oecophylla smaragdina</i>) : An	Prof. H. K. Sahu	Awarded

		edible insect in Mayurbhanj district of Odisha, India.		
3	Gopal Chandra Das	Isolation, characterization and Identification of probiotic bacteria from Red Weaver ant (<i>Oecophyllasmaragdina</i>): An edible insect in Mayurbhanj district of Odisha, India.	Prof. H. K. Sahu	Awarded
4	Sarita Rath	A comparative study on non enzymatic antioxidant system in different region of Earthworm (<i>Eudriluseugeniae</i>) treated with Glycophosphate and Mixture of Urea and Glycophosphate.	Dr. Puspanjali Parida	Awarded
5	Maitri Mrunalini	Comparative study of effect of Imidacloprid and Neem on the Preclitellar, Clitellar and Postclitellar regions of earthworm (<i>Eudriluseigeniae</i>)	Dr. Puspanjali Parida	Awarded
6	Kabita Khuntia	Characterisation of compounds of dipyrromethane for anticancer properties in HeLa cervical cancer cells	Dr Priya Ranjan Debata	Awarded
7	Sunanda Swain	Effects of vitamin A palmitate on feeding stage tadpoles of Microhyla ornata (Anura:Microhylidae)	Dr. Cuckoo Mahapatra	Awarded
8	Abhipsa Nayak	Antioxidative Properties of Fish Protein Hydrolysates extracted from <i>Cyprinus carpio</i> and <i>Ctenopharyngodon idella</i> of Visceral and Scale Waste	Dr. Gargee Mohanty	Awarded

Project

SI. No	Title of the Project	Funding Agency	Amount	Duration	PI/ Co-PI	Status
1	Integrated Micro Watershed Management plan in Similipal Tiger Reserve using Remote Sensing & GIS	Similipal Tiger Reserve, Govt. of Odisha	11,62,000/-	10.10.2017-09.10.2020	Prof. H. K. Sahu	Ongoing
2	Population status spatial distribution & conservation of small carnivores	Similipal Tiger Reserve, Govt. of Odisha	11,45,500/-	10.02.18-09.02.2021	Prof. H. K. Sahu	Ongoing
3	Effect of Antioxidant and Pesticide on Earthworm and its implication	DST, Odisha	7,91,000/-	22.04.2016-21.04.2019	Dr Puspanjali Parida	On going

4	To characterize a novel topical cream therapy against cervical cancer and targeting cervical cancer by modulating the tumor microenvironment.	DBT, Govt. of India	32,50,000/	04.07. 2013 - 03.07.2018	Dr PriyaRanjan Debata	On going
5	Study on the frequency distribution pattern of mutated Isocitrate dehydrogenase 1/2 (IDH1/2) of glioma patients of Odisha and characterization IDH1/2 mutations in regulating cellular metabolism.	DST, Govt. of Odisha	9,70,000/	01.04.18- 31.03.2021	Dr PriyaRanjan Debata	On going
6	Identification of key genetic/epigenetic marker(s) in cervical carcinogenesis and development of corresponding molecular therapeutics for precision medicine of cervical cancer.	DST, Govt. of India and BRICS countries	10,00000/	10.04.18- 09.03.2021	Dr PriyaRanjan Debata	On going
7	A comparative study on appendage regeneration in amphibians and reptiles	UGC, Govt of India	10,00000	05.04.2018 - 04.04.2020	Dr Cuckoo Mahapatra	On going
8	Comparative transcriptome analysis of blastemas of regenerating and regeneration-deficient limbs of Indian tree frog <i>Polypedates maculatus</i> (Gray, 1830)	DST-SERB, Govt of India	47,50,000	16.03.2018 - 15.03.2021	Dr Cuckoo Mahapatra	On going

II. 2ND CAMPUS, SULEIKHAMAR, KEONJHAR

(i) DEPARTMENT OF ENGLISH

The P.G. department of English is a regular department of North Orissa University operating at its Keonjhar campus since its inception in 2017. The department offers two courses: M.A. and MPhil. The aim of the department is to enable students to analyse and interpret literature by locating it in the larger world. The department also aims to foster research in literature by learning from and engaging with humanistic disciplines and the social sciences. While keeping ourselves abreast of global trends in research, we will seek to ensure that local concerns and issues are seriously explored and addressed. In the aforementioned academic session a total of 10 students were admitted in the M.A. programme against 15 seats. 6 students took admission in the MPhil programme against a total of 6 students.

Name of the Faculty: **Shaswat Panda** (Assistant Professor)

Research Publications:

Journal

1. **Shaswat Panda** History and Individuality in Gopabandhu Das' Autobiographical Poems. *Ravenshaw Journal of Literary and Cultural Studies*. Page 82-94. VOL: VIII. (ISSN: 2231-2773), 2018.
2. **Shaswat Panda** An Intimate History of the Freedom Struggle. *Marg Asia*. VOL: 6, Issue: 1. Page 26-28. (ISSN 2349-5081), 2018.
3. **Shaswat Panda** Even in those days there was Copyright. *Marg Asia*. VOL: 6, Issue: 2. Page 43-46. (ISSN 2349-5081).

Conference/Seminar/Workshop/Symposia/Faculty Development Programme attended:

1. **Shaswat Panda** attended **1 international workshop** on Jagannath and Popular Culture organized by department of Humanities and Social Sciences, IIT Madras on 29 and 30 September 2018.
2. **Shaswat Panda** delivered a talk (as an **invited speaker**) on “Samuel Johnson and the making of the author in Eighteenth-Century England at Deen Dayal Upadhyaya College, University of Delhi in March 2019.

Research Guidance (M.Phil)

Sl. No	Name of Scholar	Title of Thesis	Supervisor	Status
1.	Beena Singh	The Rendition of <i>The Mahabharata</i> in English by C.Rajagopalachari and R.K. Narayan	Shaswat Panda	Awarded

(ii) DEPARTMENT OF ODIA

P.G department of odia was established in the academic session 2017-2018 at Keonjhar, the 2nd campus of North Orissa University with three faculty positions – one Professor, one Associate Professor and one Assistant Professor. The department offers P.G, M.phil, and Ph.D courses in odia with the intake capacity of 40 seats in P.G, 06 seats in M.phil, and 20 seats in Pre- Ph.D. The motto of the Department is to create a Nobel Society through Learning of mother language and Literature. As Keonjhar is a Tribal District, the department will try to promote tribal culture and Oral Literature of the district as per as possible.

Seminars/Conferences/Other Activities Conducted by the Department:

1. National Seminar, Topic “Odia Patrapatrika: Samasya O Sambhabana” held on 03.10.2018
2. National Seminar, Topic “Odia Natakare Lokaupadan” held on 09.10.2018
3. National Seminar, Topic “Odia Galpare Nabachetana” held on 31.10.2018
4. National Seminar, Topic “Katha Samrat Fakir Mohan” held on 16.11.2018
5. National Seminar, Topic “Prakruti , Sahitya O Sabuja Samalochana” held on 22.02.2019
6. National Seminar, Topic “Odia Loka Natakara Diga O Diganta” held on 01.03.2019
7. National Seminar, Topic “Swadhinata Parabarti Odia Katha Sahitya” held on 25.03.2019

Research Publication:

A. Journal

1. **Mahapatra. B**, Odia Bhasara Sampratika Sthiti O Bhabisyat,' UTTAR GABAKSYA' N.O.U. 2nd Campus, 1st Issue, Page. 154-163, 2018.
2. **Mahapatra. B**, Ekala Manisha ra Kaulinya O Kabyajatra, ISTAHAR, BBSR, Puja Issue, Page.127-132, 2018.
3. **Mahapatra. B**, Soundarya O Satitwara Pratimurti Saieindhri, PRIYAMBADA, Barpali, Bargarh, 2nd Year 1st Issue, Page. 21-25, 2018.
4. **Mahapatra. B**, Adhunka Odia Kabitare palli Chetana, SAHAJOGI, BBSR – ISSN-2454-6828, 222th Issue, Page. 79-82, 2018.
5. **Mahapatra. B**, Odia Kabitare Adibasi Jibana Chitra, JHANKAR, Cuttack, 70th Year 9th Issue, 888-891. 2018.
6. **Behera. Sisira** : 'Sambad Patra O Feature' , Panchabati, Puja Issue-2019
7. **Behera. Sisira** : Lodiba Panara Asarapriti : 'Smruti Tume Jahnarati' - Odia Gitikabi Samaj, Cuttack- 2019, Page. 176-178

B. Book Chapter/Book

1. **B. Mohapatra**, Adhunikatara Uttarana: odia Kabita o Kabidrusti' – ISBN -978-93-88422-51-2, Bijayinee Publications Arunodaya Marcket, Shankarpur, Cuttack, 2019
2. **B. Mohapatra** 'Gangadhara Sahitya Jigyansa' ISBN- 978-88422-52-2, Bijayinee Publications Arunodaya Marcket, Shankarpur, Cuttack, 2019
3. **B. Mohapatra** 'Adhunik Odia Kabita O Mrutyu Chetana' ISBN- 93-88422-54-6, Bijayinee Publications Arunodaya Marcket, Shankarpur, Cuttack, 2019.
4. **B. Mohapatra**, Sahitya Sadhaka Rajaram Meher, Book Chapter' BARAPUTRA' Gandhi Smruti Pathagar, Bargarh, 2nd Volume, Page. 201-211, 2019.
5. **Sisira Behera** : *Baikunthanatha Brahmachari*(Book)– Odisha Sahitya Akademi, Bhubaneswar, ISBN: 978-93-87637-28-3, 2018
6. **Sisira Behera** : *Pathaka Pratikriyabad*(Book Chapter) – Bharatiya Paschatya Sahityika Matabad O samalochana, (Ed) – Krushna Chandra Pradhan , Friends Publishers , Cuttack- 2018, ISBN: 81-7401-895-6, 2018

Conference/Seminar/Workshop/Symposia/Participated and Presented

Dr. Babrubahan Mohapatra

1. Attended National Seminar on Swadhinata Parabarti Odia Katha Sahitya, Organized by NOU 2nd Campus on 25.03.2019
2. Attended as Chief Speaker in the 100 Years Celebrations of Deuli U.P School on 30.12.2018
3. Attended as Chief Speaker in the Silver Jubilee Celebration of Govt. H.S. Uttam BGH, on 29.12.2018
4. Attended as Chief Speaker in the Annual Function of Jyoti Bihar College Burla, Sambalpur, on 16.01.2019
5. Attended National Seminar on Prakruti Sahitya O Sabuja Somalochana, Organized by Odisha Sahitya Academic on 22.02.2019.
6. Paper Presented in the National Seminar, Topic “ Odia Galpare Naba Chetana” held on 31.10.2018 at NOU, 2nd Campus , Keonjhar.

Dr. Sisira Behera

1. National Seminar, (Paper Present) Topic- “Adhunka Jugara Baitalika Kabi Chandra Mohan Maharana” held on 16.01.2019, Odisha Sahitya Akademi & , Fakirmohan University ,Balasore

2. National Seminar, (Paper Present) Topic- “Odia Mahabharatre Rastriya Bhabana” held on 14.02.2019, North Orissa University , 2nd Campus Keonjhar
3. International Seminar, (Paper Present) Topic- “Odia Natak o Bhanja Kishor Pattanayak” held on 18.02.2019, Shailabala women’s (Auto) College , Cuttack
4. National Seminar, (Paper Present) Topic- “Sabuja Samalochana O Sampratika Odia Kabita” held on 22.02.2019, Odisha Sahitya Akademi & , North Orissa University , 2nd Campus Keonjhar
5. Behera, Sisira, National Seminar, (Paper Present) Topic- “Jhumor Gitare Paribarika Jibana Chitra” held on 25.02.2019, Ravenshaw University, Cuttack
6. Behera, Sisira, National Seminar, (Paper Present) Topic- “Swadhinata Parabarti Odia Upanyasare Dalita Jibana Chitra” held on 25.03.2019, North Orissa University , 2nd Campus Keonjhar

Faculty Development Programme

1. **Dr. Sisira Behera** successfully completed Training Programme (Translation) held at Visva Bharati University, Shantiniketan during 24th -30rd September 2018.

Research Activity (Guidance)

A. Ph. D.

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Swadhin Chandra Pradhan	Katha Silpi Bishnu Sahunka Galpa Sambhara: Eka Akalana	Dr. B. Mohapatra	Awarded

B. M.Phil

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Chhabi Mahapatra	Galpika Basanta Kumar Satapathy: Eka Adhyayana	Dr. B. Mohapatra	Awarded
2	Snigdha Subhadarsini	Asikanda Sasunka Galpa Sahitya: Eka Anusilana	Dr. B. Mohapatra	Awarded
3	Bandhan Kumar Dehury	Basant Kumar Satpathynka Galpare Samajchetana	Dr. Sisira Behera	Awarded

(iii) DEPARTMENT OF SANSKRIT

The P.G. department of Sanskrit is a regular department of North Orissa University operating at its Keonjhar campus since its inception in 2017. The department offers four courses: M.A., MPhil, Pre-P.hD and PhD. The department focuses on research in Indian philosophy, Vedic literature, Sanskrit grammar and Sanskrit literature (especially Sanskrit drama. In the aforementioned academic session a total of 10 students were admitted in the M.A. programme against 15 seats. 6 students took admission in the MPhil programme against a total of 6 students.

Research Publication

A. Journal

Dr.Hiralal Dash

1. A Research Article entitled Anandavardhanasya Samvadavicharah in “Prachisudha” a research journal, Published by Purusottam Research Academy of Indology , Puri, Odisha in March 2018 with ISSN 2249 – 2313.
2. A research article titled “Nrusingha Panchadashi” published in a book titled *Sri Nrusinghayanam*. Published by Dr Nrusingha Charan Sahu Mahaodyaanam Abhinanadan Samiti, Puri, Odisha. D.o.P: 31 August 2018. ISBN: 81-87322-57-8. Pg: 20-22.
3. A Research article entitled Manujagnyavalkyasmrutigranthayoh Varnavyabasthayah Parisilanam in “Rutayani ” a referred research journal of Sanskrit , Published by Purulia , West Bengal, December 2018 with ISSN 2278 – 0688. Page No-11-15.

Dr. Nibedita Pati

1. “Gitagovinde saundaryasiddhantah”, Shree Nrusinghayanam, Amar Granth Publications, Vijay Nagar, Delhi, 2018, ISBN: 81-87322-57-8, Pp. 243-253

B. Book Chapter/Book**Dr. Nibedita Pati**

MEGHADUTATIKA OF RANGADASA(A CRITICAL EDITION AND STUDY), (Editor), Pratibha Prakashan, New Delhi, 2018, ISBN: 978-81-7702-404-3, Pp. 152

Conference/Seminar/Workshop/Symposia/Participated and Presented**Dr.Hiralal Dash**

1. Attended One day **National Seminar** on “ Human Rights in Indian Culture Kaliachak Bikram Kishore Adarsh Sanskrit Mahavidyalaya” Under Rashtriya Sanskrit Sansthan,Deemed University, March 28th 2018 and presented a research paper entitled “**प्राचीनभारतीयसंस्कृतौ नारीणामधिकारः**”
2. Attended Three days **National Seminar** on “ **संस्कृतस्य विद्यावैभवपरम्पर**” Lokabhasa Prachar Samiti, Bharatam , Puri,ODISHA from May 25th – 27st 2018 and presented a research paper entitled “**मनुयाज्ञवल्क्यस्मृतिग्रन्थे मानवीयमूल्यबोधः**”
3. Attended Two days **National Seminar** on “**Dharmasastra : Theory and Practice**” Organized by the Dept.of Sanskrit,Pondecherry University, from June 04th – 05th 2018 and presented a research paper entitled “**Manoh Dandavyavastha – Eka Samikshya.**”
4. Attended Three days **National Seminar** on “**Indian spiritual Heritage through Sanskrit Devotional literature of South India**” organized by the Dept of Sanskrit , Pondicherry Unoiversity in collaboration with Indra Gandhi National center for the arts,Regional centre,Puducherry from August 28th – 30st 2018 and presented a research paper entitled “**Reflections on everyday morality in Bharavis Kiratarjunyam**”

Research Activity (Guidance)**A. Ph. D- Nil****B. M.Phil**

Sl. No	Name of the Candidate	Title	Supervisor	Status
1	Santoshi Mohapatra	Darsanikasiddhantopapadanadisha Buddhacharitamahakavyasya Samikshyatmakam Adhyayanam	Dr. Hiralal Dash	Awarded
2.	Janhabi Pattanayak	Jayadevasya Gitagovindasya kevyasoundarya parisilanam	Dr. Hiralal Dash	Awarded
3	Manjulata	Astikadarsananusaram Pramana	Dr.	Awarded

	Sahoo	Vicarrah	Nibedita Pati	
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EXAMINATION

RESULT OF PG EXAMINATION STATISTICS-2018

Sl. No.	Programme Name	Programme Code	Number of students appeared in the final year examination	Number of students passed in the final year examination	Pass Percentage (%)
1	M.A./M.Sc. Anthropology and Tribal Studies	M.A./M.Sc.-ATS	10	6	60
2	M.Sc. Biotechnology	M.Sc.-BT	25	25	100
3	M.Sc. Botany	M.Sc.-BOT	26	26	100
4	M.Sc. Chemistry	M.Sc.-CH	30	30	100
5	Master Computer Application	MCA	13	13	100
6	M.Sc. Computer Science	M.Sc.-CS	23	23	100
7	M.A. Economics	M.A.-ECO	31	30	96.77
8	M.A. English	M.Sc.-ENG	35	34	97.14
9	M.A. Odia	M.A.-ODI	70	69	98.57
10	M.Sc. Physics	M.Sc.-PHY	29	25	86.2
11	M.A. Sanskrit	M.A.-SANS	59	56	94.91
12	M.A. Santali	M.A.-SNT	9	9	100
13	M. Sc. Wildlife and Biodiversity Conservation	M.Sc.-WLBC	20	20	100
14	M.Sc. Zoology	M.Sc.-ZO	29	29	100
15	Master of Business Administration	MBA	27	26	96.15
16	Integraed B.Ed. M.Ed.	M.A./M.Sc.-IBM	46	46	100
17	M.A. Education	M.A.-EDN	39	38	97.43
18	M.A/M. Sc. Mathematics	M.A/M.Sc-MATH	64	64	100
19	Master Social Work	MSW	23	23	100
20	M.A. Hindi	M.A.-HN	10	10	100
21	Master Library & Information Science	MLIS	15	15	100
22	M.Sc. Remote Sensing & GIS	M.Sc.-RSGIS	26	26	100
23	M.A./ M.Sc. Yoga and Naturopathy	M.A/M.Sc YN	16	11	68.75

RESULT STATISTICS (R/B/S) OF THREE YEAR DEGREE EXAM. 2018

S/N	SUBJECT	ENROLL	I-D	Ist	II-D	IIInd	GW H	GW D	GE N	GD	TOTAL FAIL	WH O	MP	%AGE	
1	Arts Gen	6266							4022	552	4574	1486	111	95	75.47
	Arts Hons.														
2	ANTHROPOLOGY 85		6	28	3	12	10	1			60	21		4	74.07
3	ECONOMICS	471	4		124	154	53	4			339	115	10	7	74.66
4	EDUCATION	474	153	141	12	45	52	12			415	49	3	7	89.43
5	ENGLISH	212	2		49	70	48				169	39	1	3	81.25
6	GEOGRAPHY	17	1	2		2	6				11	5	1		68.75
7	HINDI	14		5		2					7	7			50.00
8	HISTORY	777	38	9	100	388	57				592	162	13	10	78.51
9	HOME SCIENCE	67		29		1					30	34	3		46.87
10	MATHEMATICS	7				2	1				3	4			42.85
11	ODIA	613	72	36	64	337	18				527	75	3	8	87.54
12	PHILOSOPHY	135	17	6	15	48	7				93	40	1	1	69.92
13	POL. SCIENCE	841	38	4	240	419	40				741	77	5	18	90.58
14	PSYCHOLOGY	42	5	22			2				29	13			69.04
15	SANSKRIT	349	106	52	19	128	7				312	27	3	7	92.03
16	SOCIOLOGY	97	15	29	2	34	1				81	14	1	1	85.26
ARTS (PASS & HON.)		10467	457	363	628	1642	302	17	4022	552	7983	2168	155	161	78.64
17	Sci. Gen.	2065							940	372	1312	679	33	41	65.89
	Sci. Hons.														
18	BOTANY	276	84	59	7	24	28	1			203	69	3	1	74.63
19	CHEMISTRY	392	79	40	25	49	83	15			291	90	7	4	76.37
20	GEOLOGY	101	31	11		7	15	2			66	32		3	67.34
21	MATHEMATICS	187	30	43	3	44	25	2			147	39	1		79.03
22	PHYSICS	290	128	57	7	20	30	4			246	43		1	85.12
23	ZOOLOGY	301	127	97	2	23	7				256	42	2	1	85.90
24	COMP. SCIENCE	92	7	44		14	7				72	20			78.26
SCIENCE (PASS & HON.)		3704	486	351	44	181	195	24	940	372	2593	1014	46	51	71.88
25	Com. Gen.	707							366	95	461	203	22	21	69.42
	Com. Hons.														
26	ACCOUNTING	300	22	26	16	145	22				231	64	2	3	78.30

27	MANAGEMENT	20			3	17					20				100.00
COMM. (PASS & HON.)		1027	22	26	19	162	22		366	95	712	267	24	24	72.72
TOTAL		15198	965	740	691	1985	519	41	5328	1019	11288	3449	225	236	76.59

INFRASTRUCTURE

Sl. No.	Name of Building	Estimated cost (Rs. in Lakh)	Status of building i.e. Complete/ Incomplete	Source
1	Administrative Building	112.00	Completed on 14.05.2003 (1425.00 sq m.)	State Govt. Rs. 35.0 lakh own sources Rs. 77.0 lakh
2	Centre for Tribal Studies	69.69	Completed on 31.01.2004\ (850 Sq m.)	MPLAD Rs. 25 Lakh own sources Rs. 44.69 lakh
3	Central Library	56.61	Completed on October, 2004 (902 Sq m.)	MPLAD Rs. 25.0 Lakh and rest from own sources
4	Students Cultural Centre	3.08	Completed on 08.05.2003	Own Sources
5	Laboratory building	25.00	Completed on 11.02.2002 (375.1 Sq m.)	Own Sources
6	Academic Block	24.46	Completed on 09.12.2005 (385 Sq m.)	Own Sources
7	Department of Physics	189.95	Completed (1417.00 Sq. m.)	12 th F.C. Govt. of Odisha
8	2 nd Laboratory Building	30.04	Completed (375.10 Sq m.)	12 th F.C. Govt. of Odisha
9	Extension of Administrative Building	121.75	Completed on Nov-2009 (1527 Sq m.)	12 th F.C. Govt. of Odisha
10	Compound Wall	123.23	Completed (4.32 km approx.)	12 th F.C. Govt. of Odisha
11	Department of Botany	241.86	Completed (2115.00 Sq m.)	12 th F.C. Govt. of Odisha
12	Department Chemistry	287.00	Completed (2435.00 Sq m.)	12 th F.C. Govt. of Odisha
13	Department Zoology	287.00	Completed (2435.00 Sq m.)	12 th F.C. Govt. of Odisha
14	Ladies Hostel	150.72	Completed (25,899.00 Sq. m.)	12 th F.C. Govt. of Odisha
15	Lecture Quarters(2 nos)	117.9	Completed (7360.00 Sq m.)	UGC
16	Women's Hostel	68.92	Completed (395 Sq m.)	UGC
17	104. Seated Student Hostel	219.00	Completed	UGC-120, 12 th FC-49 Own Sources-50
18	Academic Block-II	29.67	Completed (385.00 Sq m.)	Govt. of Odisha and Own resources
19	Pump House near administrative block	02.66	Completed (220.00 Sq m.)	Own resources
20	Pump House Near Academic Block	11.78	Completed	UGC
21	Pump House at Ladies Hostel Campus	12.29	Completed	Own resources
22	Pump House at Gents Hostel Campus	9.25	Completed	12 th F.C. Govt. of Odisha
23	Substation near administrative building	5.29	Completed	Own resources
24	Substation near academic block buildings	20.18	Completed	Interest of 12 th F.C.
25	Substation at ladies Hostel Campus	16.12	Completed	Own resources
26	Substation at Gents Hostel Campus	3.57	Completed	Own resources
27	M.Phil& Research scholars	34.00	Completed	UGC

	student Hostel			
28	Botanical Garden	7.00	Completed	Ministry of Environment & forest , Govt. of India
29	Main Gate	100.98	Completed	12 th Finance-Rs. 70.66 , Own sources -Rs. 30.32
30	Central Canteen	20.00	Completed	UGC
31	Guest House	117.15	Completed	UGC- Rs. 53.00 & own sources – Rs. 64.15
32	External Electrification of Guest House	9.54	Completed	own sources
33	Vice-Chancellor's Residence	100.00	Completed	12 th Plan UGC Grant
34	Six nos. Lecturer Quarters (3R-type)	100.00	Completed	12 th Plan UGC Grant
35	Computer Centre Building	70.00	Completed	12 th Plan UGC Grant
36	Department of Computer Application	130.00	Completed	12 the Plan UGC Grant
37	Basic Facilities for Women building	43.34	Completed	UGC
38	Boundary wall to the play ground	63.43	Completed	UGC-Rs. 25.00 own sources-Rs.38.43
39	Womken Utility Centre inside ladies hostel campus	7.89	Completed	UGC
40	Visitors room inside ladies Hostel campus	3.71	Completed	UGC
41	Construction of 1000 seated Convention Hall	1013.86	Work in progress	Infrastructure Development Grant, Govt. of Odisha
42	200 Seated Conference hall Annexure portion of Convention Hall	1.75	Completed	RUSA
43	Construction of 200 seated Ladies Hostel	569.90	Completed	Infrastructure Development Grant, Govt. of Odisha
44	Boundary wall near M.Phil Hostel & Staff Quarter	37.70	Completed	Infrastructure Development Grant, Govt. of Odisha
45	Boundary Wall behind the ITI Hostel	47.72	Work in Progress	Infrastructure Development Grant, Govt. of Odisha
46	Boundary Wall of V.C. Bungalow	7.58	Completed	Infrastructure Development Grant, Govt. of Odisha
47	Human Resource Development Centre Building	281.84	Completed	Infrastructure Development Grant, Govt. of Odisha
48	Design railing parapet in the lawn at main gate complex	15.00	Completed	Infrastructure Development Grant, Govt. of Odisha
49	Administrative Block at 2 nd Campus of NOU, Keonjhar	406.19	Completed	Infrastructure Development Grant, Govt. of Odisha
50	Compound Wall and Two nos. of Gate at 2 nd Campus of NOU, Keonjhar	145.35	Completed	Infrastructure Development Grant, Govt. of Odisha
51	6 nos. of Staff Quarter at 2 nd Campus of NOU, Keonjhar	69.28	Completed	Infrastructure Development Grant, Govt. of Odisha
52	Electrical Sub-Station (500KVA) and Extranal Electrification at 2 nd Campus of NOU, Keonjhar	42.24	Completed	Infrastructure Development Grant, Govt. of Odisha
53	Academic Block at 2 nd Campus of NOU, Keonjhar (Ground Floor & First Floor)	431.98	Work in Progress	Infrastructure Development Grant, Govt. of Odisha
54	Deep bore well with pump house and water supply system at 2 nd Campus of NOU,	46.75	Completed	Infrastructure Development Grant, Govt. of Odisha

	Keonjhar			
55	Construction of 200 seated Gents Hostel at 2 nd Campus of NOU, Keonjhar	687.83	Work in Progress	Infrastructure Development Grant, Govt. of Odisha
56	Construction of Cycle/Motor Cycle Stand	9.87	Completed	RUSA
57	Social Science and Humanities Block (Ground Floor)	526.63	Work in Progress	RUSA
58	Boundary Wall(North Side) of NOU	55.00	Work in Progress	Infrastructure Development Grant, Govt. of Odisha
59	Boundary Wall near Boys Hostel	30.00	Work in progress	Infrastructure Development Grant, Govt. of Odisha
60	200 seated Gents Hostel	827.76	Work in progress	Infrastructure Development Grant, Govt. of Odisha
61	3 nos 'C' Type Quarters for Registrar, COE & COF	77.00	Work in progress	Infrastructure Development Grant, Govt. of Odisha

ACCOUNT STATEMENT

ACCOUNT STATEMENT FOR THE FINANCIAL YEAR 2018-19 AT A GLANCE (BOTH RECEIPT & EXPENDITURE)

Sl. No.	Name of the Fund	Source of Receipt	Units	Opening Balance as on 01.04.18	Receipt				Total Amount Available (5+9)	Expenditure			Closing Balance as on 31.03.19 (10-13)
					Total Receipt During the year	Amount through Transfer/ Diversion	Amount. through Interest & Other sources	Total Receipt (6+7+8)		Expenditure during the year	Transfer made to other funds	Total expenditure (11+12)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Gen Fund-I	(i) Govt. Grant GIA	Salaries & Office Expenses	5,86,15,689	15,34,80,000	0	0	15,34,80,000	21,20,95,689	9,18,13,138	2,00,00,000	11,18,13,138	10,02,82,551
		(ii) Other Receipts	Other mixed receipts from different sources & dev.construction works	20,37,48,681	7,30,24,145	48,27,998	1,41,29,814	9,19,81,957	29,57,30,638	8,61,14,998	10,03,393	8,71,18,391	20,86,12,247
		(iii) Pension	Pension to retired employees of NOU	1,52,00,878	7,23,854	2,00,00,000	6,04,755	2,13,28,609	3,65,29,487	65,41,218	0	65,41,218	2,99,88,269
		(iv) PMS (Govt. grants)	PMS to ST,SC,OBC / SEBC Students	18,756	0	0	0	0	18,756	0	0	0	18,756
		(v) Scholarship	Scholarship to Meritorious Students	20,000	65,560	0	0	65,560	85,560	65,560	0	65,560	20,000
		(vi) Research Project & Others	DST FIST,BIF,Fellowship, Research Project, NAAC, etc.	39,54,069	0	0	0	0	39,54,069	0	0	0	39,54,069
			5th school of Herpetology, Research Project & Fellowship	1,56,41,656	1,31,16,615	0	6,23,064	1,37,39,679	2,93,81,335	1,43,87,917	0	1,43,87,917	1,49,93,418
		(vii) RUSA	Infrastructur development and others	3,00,52,528	3,00,00,000	0	7,79,830	3,07,79,830	6,08,32,358	2,50,09,990	0	2,50,09,990	3,58,22,368
		(viii) "Capacity Building.....IT Tools"	Research Grant	2,429	0	0	71	71	2,500	2,500	0	2,500	0
		(ix) Inter National Cell	Travel Grant	25,464	0	0	904	904	26,368	0	0	0	26,368
		(x) Govt. Grants 12th Finance	Infrastructural / Construction etc.	1,57,79,263	0	0	4,27,705	4,27,705	1,62,06,968	0	1,62,06,968	1,62,06,968	0
		(xi) College Development Council (CDC)	College Development	0	9,620	10,03,393	962	10,13,975	10,13,975	0	0	0	10,13,975
	Gen. Fund-II (Out Sources)	(xii) UGC grant	Construction development works & others	2,51,28,192	321	0	22,74,609	22,74,930	2,74,03,122	49,23,805	0	49,23,805	2,24,79,317
		(Xiv) ASC Account	UGC Refresher course & Regn. Fees	1,47,077	0	0	5,216	5,216	1,52,293	0	0	0	1,52,293
	Gen. Fund-	(xiv) Exam. Source	Exam. Source	16,01,11,056	5,24,85,172	0	1,02,08,202	6,26,93,374	22,28,04,430	1,51,90,025	0	1,51,90,025	20,76,14,405

	III (Own Sources)	(xv) Convocation Source	Certificate Fees	2,14,25,531	26,73,423	0	14,86,967	41,60,390	2,55,85,921	3,29,601	0	3,29,601	2,52,56,320
		(xvi) Sports Source	Sports Fees	59,91,562	29,26,224	0	4,35,455	33,61,679	93,53,241	9,87,945	0	9,87,945	83,65,296
		(xvii) SFC Account	Course fees,exam fees & other fees	7,49,56,933	2,60,68,709	0	53,62,817	3,14,31,526	10,63,88,459	1,50,08,647	27,85,998	1,77,94,645	8,85,93,814
		(xix) DDCE Account	Course fees,exam fees & sale of forms	22,00,59,957	1,69,30,214	0	1,32,65,392	3,01,95,606	25,02,55,563	37,04,245	20,42,000	57,46,245	24,45,09,318
		(xx) PGC Account	Certificate Fees & exam fees	3,03,72,684	92,30,460	0	25,73,766	1,18,04,226	4,21,76,910	14,60,063		14,60,063	4,07,16,847
2	Foundation Fund	(xxi) Dev. Account	N/R Academic fees	92,95,994	33,35,000	0	8,53,667	41,88,667	1,34,84,661	0	0	0	1,34,84,661
		(iixxii) Gold Medal Source	Gold Medal	21,46,084	0	0	1,17,391	1,17,391	22,63,475	1,16,723	0	1,16,723	21,46,752
		(xxiii) Corpus Fund		2,00,52,501	0	0	14,17,977	14,17,977	2,14,70,478	118	0	118	2,14,70,360
		(xxiv) Foundation Fund		1,00,07,046	0	1,62,06,968	7,83,798	1,69,90,766	2,69,97,812	18	0	18	2,69,97,794
GRAND TOTAL :-				922754030	384069317	42038359	55352362	481460038	1404214068	265656511	42038359	307694870	1096519198

Comptroller of Finance
North Orissa University

FACILITIES AVAILABLE

(a) STUDENTS' WELFARE

Hostel Accommodation

There are two gents' hostel and four ladies' hostels to accommodate the students admitted to the courses available at the University campus. The selection for admission into hostels is considered on distance-cum-merit basis.

University Canteen

Provision is being made for refreshment in the University campus. However, refreshment facilities are available around the University.

Vehicle Shed

The University has the facility of vehicle sheds.

Banking Facility

Bank of India has its branch in the University campus for use of the students, teachers and employees of the University. The Bank functions for 6 days in a week excluding 2nd and 4th Saturday. Needy students avail study loan from Bank of India on the recommendation of the University.

Personal Advisory System/ Student Counseling Centre

Students of various departments are under the advisory responsibility of the teachers. Each teacher of the concerned department takes the responsibility of 3 to 5 students of his/ her department and keeps a vigilant eye on the students allotted to him/ her and guides such students in all situations, including health care and personal problems.

Central Computing Facilities

There is Central Computing Facility located in the Department of Computer Application. This facility was created in 2002 from own source and 50 numbers of Pentium-IV PC and a good number of application software have been installed for the benefit of the students, teachers and other members of the University. Internets with email and browser facilities have been provided to the students. Looking at the present day need software like JAVA, ORACLE, VISUAL, NET etc. have been kept open for the benefit of the students. Facilities also exist for using various languages C, C++, C#, NETWORKING, HTML, COBOL, BASIC, MS ACCESS, FORTRAN 77 and FOXPRO in various operating environment like WINDOWS – 98, 2000, WP, DOS, LINUX – 91 (RED HAT) and FEDORA.

Bioinformatics Facility Centre

The Bioinformatics Facility Centre (sponsored by the Department of Biotechnology, Government of India) of the University has been set up to provide internet facility to students, scholars and faculty of Biological Sciences and other related departments. The DBT provided one time grant initially and again has approved additional grants till 2012.

Evaluation of Teachers by Students

The University has accepted the UGC guidelines relating to evaluation of teachers by the students and the evaluation of teachers by students is made after the completion of each semester examination.

Training and Placement Cell

The University has set up a Training and Placement Cell for training and creating opportunities for on and off campus recruitments in various organizations. Our students have been sent to different reputed research organization/ companies for vocational training/ project works in their respective fields for work experience and future absorption there itself or elsewhere.

The list includes National Metallurgical Laboratory, Jamshedpur; Regional Plant Resource Center, Bhubaneswar; Regional Medical Research Center, Bhubaneswar; Central Rice Research Institute, Cuttack; Vivekananda Institute of Biotechnology, West Bengal; Coca Cola, Khurda; Central Institute of Fisheries Education, Mumbai;

Indian Council of Medical Research, New Delhi; NALCO Corporate Office, Bhubaneswar; PPL Corporate Office, Bhubaneswar; Rourkela Steel Plant, Rourkela; SAIL, Bokaro Steel City; Oglvy Mathur Pvt. Ltd., Mumbai; Reliance Infocom, Bhubaneswar; Tata-AG Company etc. A number of our students have already been absorbed in different capacities in Institution/ Organizations like Wildlife Society of Orissa; SBI-Life; Vinay Construction Company; Pradan, SODA and Gram Swaraj (NGOs), Baripada etc. based on our recommendations and timely information.

Scholarships

The students of the University enjoy various types of scholarships awarded by the State Government on the result of +2 and +3 examinations in Arts/ Science/ Commerce. Besides, students pursuing Post-Graduate courses in Colleges and University P.G. Departments are eligible to receive P.G. Merit Scholarship and Loan Stipend awarded by the State Government.

Women Atrocity Cell

There is a Women Atrocity Cell to redress the grievances of the lady teachers, employees and students of the University.

Sexual Harassment Cell

In pursuance of letter No. F. No. 6-34/2003-NCW (L) dated 4th October, 2007 of Joint Secretary, National Commission for Women, Govt. of India, New Delhi the University had constituted a “Sexual Harassment Complaint Committee” to combat violence and sexual harassment of women in the University.

Parents Contact Programme

A relationship between the parents and the teachers was established through the parents teachers interactive programme, where they can communicate regarding welfare of the students.

Anti Ragging Committee

The University constituted its Anti Ragging Committee on 19.12.2009 to curb the menace of ragging in the campus during 2010-11 no case of ragging has been reported.

Anti Ragging Squad

The University constituted its Anti Ragging Squad on 19.12.2009 to curb the menace of ragging in the campus.

Health Care Facilities

The University has health care facilities for students, teachers and staff with the help of two nos. of part time Doctors. The Govt. has sanctioned all the staff including 1 Doctor, 1 Pharmacist, 1 Nurse and 1 Dresser to function the University Dispensary, which will be made functional very soon.

Day Care Centre

There is provision for day care centre in the campus.

(b) CENTRAL LIBRARY

The Central Library of the University is situated adjacent to the administrative building inside the campus. The library committee, constituted as per statutes of University, to deal with the general administration of the library and frame relevant rules subject to approval of the authorities of the University. The Assistant librarian looks after the day to day affairs under overall supervision of Professor in charge, Central Library. The library has more than 52437 text and reference books in different subjects besides books of common interest. At present the library is subscribing for 80 journals and 24 magazines. E-journals powered ProQuest via. Odisha University Consortium are accessible at <http://search.proquest.com> The Central Library is first among all the state Universities of Odisha to be a fully automated library and operate on a specialised library Software with RFID technology.

General Rules for Library Users

1. A Smart Library card will issued to each bonafide student of North Orissa University on production of money receipt and valid identity card. The Smart Card contains their Name, Unique ID for library, Course, Dept, Address, Contact numbers and Blood group along with their photograph and signature.
2. Books can be borrowed at the Kiosk only by using Smart Library Card. To return the books Smart Library card is not required at the Kiosk.
3. E-journals can be accessed from the link <http://search.proquest.com>. Note that this link will work only when accessed via NOU LAN/Wifi.
4. Members must borrow and return books at the Kiosk.
5. Library books are not transferable. Books will not be issued on behalf of another student.
6. No student should ordinarily enter the library without showing the identity card and signing in the visitor's register at the entrance.
7. Students are required produce their Identity Cards, Smart Library Cards at the time of library transaction.
8. If the Smart Library Card is lost, duplicate card can be reissued after deposit of Rs.100/- (Rupees One Hundred only) at the office collection counter.
9. Perfect silence should be maintained at the time of library transactions.
10. Any other articles such as personal books, bags and umbrella should not be brought into the library.
11. Spitting, smoking, shouting and sleeping, use of mobile telephones, laptop etc inside the library are strictly forbidden.
12. Students should return the general library books, borrowed by them, before filling up their forms for each semester examination. This rule is applicable for all categories of examinees and examinations.
13. Open access system is available to the users of library. Students can make prior search of books at the Library Website currently running at <http://192.168.60.127/WepOPAC> (only at Baripada campus).
14. Each borrower must examine the condition of the books before they are issued. Otherwise, in case of mutilation discovered later the presumption will be against the borrower.
15. Students are not allowed to keep books with them during summer vacation.
16. A book once issued to a borrower may be reissued to her/him only if nobody wants to take the book. Current issue of periodicals, courses of studies and rare books shall not be issued out of the Library without special permission of the Prof. in-Charge, Central Library. Members of the Central Library are to borrow/return books at the Kiosk using Smart Library Card issued to them.
17. The following privileges are applicable for users under different categories.

All Students	: 3 books for 15 days.
Teaching Faculty	: 5 books for 15 days
Staff (Story/Novel)	: 1 book for 15 days

A fine of Rs.10/- will be charged per day per book after expiry of the date of return.
18. If a book is lost or damaged by a borrower, he/she has to pay ten times the price of the book or replace/returned it with a new edition of the book. In case the prices of the lost books are not ascertained, the borrower must pay compensation of an amount fixed (up to 10 times the catalogue price of the book) by the Prof. in-Charge, Central Library or as decided by the Library committee.
19. The time for transaction of books for the library is from 10:30 a. m. to 1.00 p. m. and 1.30 p.m. to 4.30 p.m and daily issue of books for reading inside the library is done from 10.30 a.m. to 4.30 p.m.
20. All the users are required to abide by the library rules.

Rules for Reading Room

1. Ordinarily one book or journal is issued to every student for the reading room on a call slip. The librarian may issue more than one book if necessary. All such books and journals must be returned to the librarian at least 15 minutes before the library closes for the day. If a student fails to return the books or journals, a fine of Rs.10/- per day will be imposed.
2. A student who wants to take or return books must present the Smart Library Card before the librarian.

Facilities at Central Library

1. Photocopy facility is available to the students and teachers inside the Library.
2. Limited internet facility is available only for teachers inside the library.
3. Separate reading spaces are available in the Central Library for the students and staff.
4. e-resources and reprographics facilities are also available

ANNUAL REPORT OF THE SPORTS COUNCIL

Sports Play an important role in the development of integrated personality of the students. With this view the Sports council of this University has been organizing various inter college Tournaments since 2001-02. On the basis of the Advisory committee meeting (held 7.9.2018) and the working committee meeting (held on 20.09.2018) of the Sports council, North Orissa University, the Sports council organized Inter college Tournament for, Football Volley ball, ,cricket, Badminton ,Archery, chess, Athletics, and kabbadi for both men and women event, Except football and cricket in which men team participated during 218-19.

1. As per the decision of the working committee meeting held on dt. **20.09.2018** the date and venue was fixed for Inter College tournaments/meet and prizes were given to Winners and runner up colleges against each game as follows.

Name of the Events	Date	Organized by	Result
Football	12.10.201 to 16.10.2018	AMV, Swampatna	AMV Swampatna,(W) Udala college Udala (R)
Volleyball (Men & Women)	07.10.2018 to 11.10.2018	SCB Degree College, Ragdha	SMD College, Manida(W) for Women SCB Degree college, Ragdha (R) for women SMD College, Manida and Saraswata MV Kundabai joint champion for Men
Cricket	14.11.2018 to 26.11.2018	Karanjia College, Karanjia	Karanjia college(W) B.B.college,Baiganbadia (R)
Badminton	6.10.2018 to 7.10.2018	Baripada College , Baripada	MPC (A)College –Boys (W) Baripada College Boys (R) P.G. Athletic Club - Girls (W) MPC (A)College - Girls (R)
Archery	30.09.2018	Udala college Udala	P.G. Athletic Club – for Boys (W)
Chess	12.11.2018 & 13.11.2018	P.G. Athletic Club, NOU	P.G. Athletic Club, NOU(Boys) (W) MPC (A) college,Baripada & Baripada college (Boys)(Joint Runners-up) MPC (A) college,Baripada (girls) (W) MCAM Baripada (girls)(R)
Athletics'	10.11.2018 & 11.11.2018	MPC (A) college,Baripada	AMV Swampatna (W) MPC (A) college,Baripada(R)

Kabaddi(M)	4.10.2018 & 5.10.2018	AMV Swampatna	MPC (A)College (Boys) (Champion) BB Harichaandanpur,(Boys)(Runners up) AMV Swampatna (Girls)(W) BB Harichandanpur,(Girls)(Runners up)
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The following teams of the University participated in the Inter University tournaments for the year 2018-19.

1. Volleyball (East Zone)(Men) held for the session 2018-**19** at KIIT University Bhubaneswar. NOU Volleyball(Men) team got the opportunity to participate in All India Inter University volleyball tournament 2018-19 after scoring **2nd position** in East zone Inter University Volleyball tournament 2018-19. .
2. Football (East Zone) (Men) held for the session 2018-19 at Sambalpur University Sambalpur.
3. Cricket (East Zone) (Men)held for the session 2018-19 at Ravenshaw University Cuttack
4. Archery (All India) held for the session 2018-**19** at KIIT University Bhubaneswar.
5. Badminton (East Zone)(Men)held for the session 2018-**19** at Gauhati University, Gauhati
6. Athletic (All India) (Men & Women) held for the session 2018-19 at Mangalore University Moodabidri, karnataka
7. Kabaddi (East Zone)(Men) held for the session 2018-**19** at Dr.C.V.Raman University, Bilaspur
8. VIII. Chess (East Zone)(Men & Women)held for the session 2018-**19** at KIIT University Bhubaneswar.

1. Football (Participated Inter University)

Team Manager : Mr. Santosh Kumar Jena Coach: Jogesh Chandra Mohakud

Sl No	Name of the student	Name of college
1	Sangram Majhi	AMV Swampatna
2	Sundar Majhi	AMV Swampatna
3	Budhadev Dalei	AMV Swampatna
4	Manoj Kumar Sing	Udala college Udala
5	Rajesh Marndi	Udala college Udala
6	Sudam Murmu	Rairangpur college
7	Sansinghu Marndi	Rairangpur college
8	Keshab Chandra Munda	BB Harichandanpur
9	Beljiyam Munda	BB Harichandanpur
10	Paika Soren	Sukruli Degree college
11	Nunaram Tudu	MPC (A) college,Baripada
12	Raman Malha	Baripada College, baripada
13	Bikash Badaik	UBS college, chaksuliapada
14	Krupasindhu Mahakud	AP college,Raruan
15	Manas Ranjan Nayak	L.N.college,Pipilia

2. Volley ball (Participated Inter University)

Team manager: Trilochan Mishra, Coach : D Tripathy (PET SCB Ragdha)

Sl No	Name of the student	Name of college
1	Ansuman Bhoi	SM Degree Manida
2	Sambit Kumar Mohanta	SM Degree Manida
3	Biswajit Mohanty	SM Degree Manida
4	Debaraj Pal	SCB Ragdha
5	Chandan Kuamr Jena	SCB Ragdha
6	Bhairab Mohapatra	SSMV Kuamara
7	Sachin Kumar Jena	SSMV Kuamara

8	Soubhagya Prakash Dash	SSMV Kuamara
9	Sukumar Sahoo	MPC(A) college,Bpd
10	Saahil Dwibedi	PG Council NOU
11	Mujahid Saha	ADMV, Purunabaripada
12	Rajkumar Hota	Pateswar Degree MV,Suakati

3. Chess (W) (Participated Inter University)

Team manager: Pradipta Ranjan Dash Coach : Basanta Kumar Sahu

Sl No	Name of the student	Name of college
1	Abhisek Acharya (M)	PG council NOU
2	Bibhudutta Soumyaram kar (M)	PG council NOU
3	Manmohan hansdah (M)	Baripada college, Baripada
4	Sidhartha Pradhan (M)	MPC(A) college,Bpd
5	Shreedeb Mohanty (M)	MCAM, Baripada
6	Jagdish Sahoo (M)	MPC(A) college,Bpd
7	SD Anupriya Majhi (W)	MPC(A) college,Bpd
8	Ranjita Sahu (W)	Baripada college, Baripada
9	Krutirani Rana (W)	Baripada college, Baripada
10	Sangeeta Sahu (W)	MCAM, Baripada
11	Mandakini Soren (W)	MCAM, Baripada
12	Subhashree Biswal (W)	PG council NOU

4. Badminton(Participated Inter University)

Team Manager : Ananta Kumar Deo

Coach: Tapas Kumar Samal

Sl No	Name of the student	Name of college
1	Nishant Kumar Ram	Baripada college, Baripada
2	Sarat Rana	Baripada college, Baripada
3	Priyabrata nayak	MPC(A) college,Bpd
4	Piyush Kumar Rout	MPC(A) college,Bpd
5	Santosh Kumar Sahoo	MPC(A) college,Bpd

5. Cricket (Participated Inter University)

Manager: S.K.Mahanta, Coach: H.K.Rout

Sl No	Name of the student	Name of college
1	Saumyaranjan Das	NOU,Baripada
2	Imran Khan	Raisuan Degree MV
3	Abinash Khandelwla	MPC(A) college,Bpd
4	Upendra nayak	MPC(A) college,Bpd
5	Hemanta Kumar Mahapatra	Karanjia (A) college,karanjia
6	Prabeen Kumar Ghana	Karanjia (A) college,karanjia
7	Chinmaya Kumar Barik	Karanjia (A) college,karanjia
8	Rahul Kumar Amanta	D.D(A) college,Keonjhar
9	Abinash Nath	D.D(A) college,Keonjhar
10	Bikram Kishore baskey	Rairangpur (A)
11	Ddipiti Krushna Giri	Rairangpur (A)
12	Satyabrata Mohanta	Rairangpur (A)
13	Abhijit Barik	B.B.college,

14	Dambarudhar Singh	B.B.college,
15	Purusottam Das	Karanjia (A) college,karanjia
16	Sananda Kumar Das	Baripada college, Baripada

6. Archery(Participated Inter University)

Manager & Coach: J.C.Mohakud

Sl No	Name of the student	Name of college
1	Rama Hembram	PG council, NOU
2	Rega Alda	Jashipur college, jashipur
3	Jitray Soren	MPC(A) college, Bpd
4	Bhima Murmu	Khunta Degree college, Khunta
5	Deepak Kumar Dhal	Udala college,Udala

7. Kabaddi(Men) (Participated Inter University)

Manager: Gobinda Chandra Patra, Coach: Dharmendra Kumar Sahu

Sl No	Name of the student	Name of college
1	Sukumar Sahoo	MPC (A) college
2	Kishore Kumar behera	MPC (A) college
3	Manas Ranjan Behera	MPC (A) college
4	Kishore Nayak	MPC (A) college
5	Manoj Kumar Das	MPC (A) college
6	Mithun Dehury	BBMV Harichandanpur
7	Shatanu Kumar Barik	BBMV Harichandanpur
8	Alok Kumar Nayak	BBMV Harichandanpur
9	Ajit Naik	AMV Swampatna
10	Bijay Kumar Naik	CS Degree College, Champua
11	Sagar Naik	AP Degree college, Raruan
12	Manoranjan Behera	MPC (A) college

8. Athletics(Participated Inter University)

Manager: Satya Narayan Barik, Coach: Swaleha Khatun

Sl No	Name of the student	Name of college
1	Manki Sundi	Jashipur College, Jashipur
2	Aswini Naik	M.D. Mahavidyalaya, Janghira
3	Ramesh Mahanta	Rimuli College, Rimuli
4	Mithun Dehury	B.B. Mov, Harichandanpur
5	Manjeet Singh	Barbil College, Barbil
6	Bapun Mahanta	AMV, Swampatna
7	Dibya Ranjan Parida	P.G. Council, NOU

NSS ACTIVITIES

Sl No.	Name of the NSS Programms/Activities	No. of participants
1	Blood Donation camp	1500
2	International day of drug abuse and illicit trafficking rally	20
3	Rathayatra Special camp	300
4	Orientation on Child Rights	20
5	Banamohatsava/Plantation	1000
6	N.I. camp at SOA University, BBSR	10
7	Declamation conteston Patrotism & Nation Building	20
8	East zone Parade camp at Meghalay	10
9	Cultural Talent Search Programme	100
10	N.I. camp at Bareilly	10
11	District Youth Parliament	100
12	Voter awareness programme	500
13	Adventure camp at Shimilipal	50
14	N.I. Camp at Mohali, Punjab	14