

ANNUAL REPORT

2021-22



MAHARAJA SRIRAM CHANDRA BHANJA DEO UNIVERSITY
SRIRAM CHANDRA VIHAR
TAKATPUR, BARIPADA-757003
MAYURBHANJ, ODISHA



Maharaja Sriram Chandra Bhanja Deo University

Editorial Board	<u>UNIVERSITY INSIGNIA</u>
1. Dr. A.K Patra 2. Dr. P. Mallick 3. Dr. P.R. Debata 4. Dr. G. Mohanty 5. Dr. A. K. Jena 6. Dr. B. Sabar 7. Mr P. Baral Published by Mr. S. Samadhia, OAS (S) Registrar MSCB University, Baripada	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.



Maharaja Sriram Chandra Bhanja Deo University

Chancellor

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

Vice-Chancellor

Prof. Kishor Kumar Basa

Registrar

Sj. Sahadev Samadhia, OAS(S)

Chairman, PG Council

Prof. Pramoda Kumar Satapathy

Controller of Examinations

Dr Laxidhar Giri, OES-I

Comptroller of Finance

Sj. Sukdev Tarei, OFS (JB)-I

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MAHARAJA SRIRAM CHANDRA BHANJADEO UNIVERSITY (Erstwhile North Orissa University)

Maharaja Sriram Chandra Bhanjadeo University (MSCBU) (Erstwhile North Orissa University) 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+ for the period 2017-2022. There are 102 Colleges affiliated to this University, out of which 64 Colleges are from Mayurbhanj District and 38 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 for fulfilling the needs of higher education among the primitive inhabitants of these districts. Our University is governed by the Odisha Universities (Amendment) Act, 2020 vide gazette notification No.10693-I-Legis-39/2020/L dated 09.11.2020. As per this amendment the Senate has been abolished and Syndicate and Academic Council of the University has been reconstituted. Further taking into account the contribution of Late Maharaja Sriram Chandra Bhanjadeo (1891-1912) the name of North Orissa University has been changed as Maharaja Sriram Chandra Bhanjadeo University with effect from 23.12.2020 vide Higher Education Department Govt. of Odisha Notification No.HE-UNE-UNI-0010-2020/42836/HE dated 23.12.2020 and Odisha Gazette Notification No.SRO No.278/2020 dated 23.12.2020.

The campus of the University is located 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 5 km 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 been started in the 2nd Campus from the academic session 2017-18.

The Hon'ble Governor of Orissa, His Excellency Prof. Ganeshi Lal, is the Chancellor and Prof. Kishore Kumar Basa 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 SYNDICATE

Sl. No.	Name and Adress
1	Vice-Chancellor, MSCBU – Chairman Prof. Kishor K. Basa
2	Sri Prasanta Kumar Rath , OAS (SS), Special Secretary to Government, Higher Education Department, Govt. of Odisha as the representative of the Secretary, Higher Education Department, Govt. of Odisha
3	Chairman, Post-Graduate Council, MSCBU. Prof. A.K. Biswal up to 15.03.2022 Prof. P.K. Satpathy
4.	Director, Student's Welfare, MSCBU Dr. A.K. Patra
5.	Director Human Resources Development Centre, MSCBU Prof. H.N. Thatoi
6.	Regional Director of Education of Higher Education Department, Balasore. Dr. Hemanta Kumar Gharai (I/C)
7.	Dr. Himabindu Maringanti , Professor, Computer Applications, MSCBU
8.	Dr. Hemanta Kumar Sahu , Professor, Zoology, MSCBU
9.	Dr. Susmita Kar , Professor, Physics, MSCBU
10	Dr. Srikanta Paikray , Principal, Anandapur Anchalik Traning College, Fakirpur, Keonjhar
11.	Dr. Krishna Kar , Professor, Pandit Raghunath Murmu Medical College & Hospital, Baripada, Mayurbhanj
12.	Dr. Pritilata Panda , Professor, Pandit Raghunath Murmu Medical College & Hospital, Baripada, Mayurbhanj
13.	Jayashri Choudhury , Principal, I.G. Mahila Mahavidyalya, Udala, Dist. Mayurbhanj
14.	Sri Sanatana Palei , Principal, Regional Degree College, Udayapur, Keonjhar
15.	Dr. Nilaratna Kalia , Principal, U.N. College, Nalagaja, Mayurbhanj
16.	Dr. Krishna Chandra Nayak , Satsingha (Behind Zuari Furniture Shop), D.D. College Road, Keonjhar
17.	Mrs. Sashiprava Bindhani , 102 B, Shnehalata Apartments, Vivekananda Marg, Bhubaneswar-751002
18.	Dr. B. Mishra (Research), Amruti Bihar, Near Indian Public School, Jail Road, Keonjhar-758001.
19.	Prof. Kumarbar Das , Former Vice-Chancellor, F.M. University, Balasore, Address : Saptasati Vihar, BBSR-751010

20.	Dr. Basanta Manjari Swain, Professor in Raghunath Murmu Medical College, Baripada, Mayurbhanj
21.	Dr. Damayanti Beshra, Associate Professor in Odia, MPC(Auto) College, Baripada
22.	Shri Jnanendra Kumar Sethi, Deputy Registrar, MSCBU

MEMBERS OF ACADEMIC COUNCIL

Sl.No	Name
1.	Vice-Chancellor, MSCBU, Prof. Kishor K.Basa
2.	Regional Director of Higher Education(I/C), Dr. Hemanta Kumar Gharai
3.	Director of the Medical Education and Training, Bhubaneswar
4.	Chairman, P.G. Council, MSCBU
5.	Head of the PG Deptt. Biotechnology, MSCBU
6.	Head of the PG Deptt. Botany, MSCBU
7.	Head of the PG Deptt. Chemistry, MSCBU
8.	Head of the PG Deptt. Computer Appl., MSCBU
9.	Head of the PG Deptt. Economics, MSCBU
10.	Head of the PG Deptt. Physics, MSCBU
11.	Head of the PG Deptt. Zoology, MSCBU
12.	Head of the PG Deptt. Odia, MSCBU
13.	Head of the PG Deptt. Sanskrit, MSCBU
14.	Dr.(Smt.) Jharana Behera, Associate Professor, Dept. of Pol. Sc, MPC(A) College, Baripada
15.	Dr. (Smt.) Damayanti Beshra, Professor, Dept. of Odia, MPC (A) College, Baripada
16.	Dr. Pramod Chandra Sahu, Reader, Deptt. of Geology, MPC (Auto) College, Baripada.
17.	Prof. Satyabrata Mishra, Dept of Environmental Economics, MPC (A) College, Baripada
18.	Sri Narendra Kumar Sahoo, Asso. Prof., Dept. of Geology, D.D.(A) College, Keonjhar
19.	Mr. Pradeep Kumar Nayak, Mayurbhanj College of Accountancy & Mgt., Baripada
20.	Mr. Pradeep Kumar Giri, R.D.S. Degree Mahavidyalaya, Kundabai
21.	Dr. Aseema Sahu, S.C.B. Degree College, Ragdha
22.	Mr. Subal Das, Saraswata Snataka Mahavidyalaya, Kuamara
23.	Mr. Ajaya Bijaya Nanda Sharma, M.B. MoV, Thakurmunda
24.	Dr. Bhagabata Lenka, R.N. Degree Mahavidyalaya, Kadadiha
25.	Mr. Bhupati Kumar Mohanta, Kalinga Degree College, Manada
26.	Mr. Subrat Kumar Giri, Degree Gorumohisani Iron College, Gorumohisani
27.	Mr. Bhupati Bhusan Giri, Badampahar Degree College, Badampahar
28.	Mrs. Pranati Barik, Panchpir Women' Degree College, Kranjia
29.	Mrs. Sangeet Sarita Sur, Maharani Prem Kumari College of Nursing, Baripada.
30.	Mr. Natabara Giri, Sri Maa Mahila Mahavidyalaya, Baripada
31.	Mr. Firoj Kumar Parhi, Govt. Women's College, Baripada
32.	Mr. Sanatana Palei, Regional Degree College, Udayapur
33.	Mr. Surendra Kumar Biswal, SMR College Jharbelda

34	Mr.Rabindra Kumar Patra, Boula +3 Degree College, Soso
35	Dr. Mrudula Mohanty, Joda Women's College, Joda
36	Mr.Narendra Ku. Sahoo, D.D. (Auto) College, Keonjhar
37	Smt. Soubhagyamayee Nayak, K.M. Women's College, Anandapur
38	Prof.(Dr.) Pravakar Naik, Govt. Women's College, Keonjhar

LIST OF AFFILIATED COLLEGES

MAYURBHANJ DISTRICT

Sl. No.	CODE	NAME & ADDRESS	Status
1.	01M	M.P.C. (Auto) College, Baripada	2(f) & 12(B)
2.	03M	Rairangpur College, Rairangpur	2(f) & 12(B)
3.	04M	Karanjia College, Karanjia	2(f) & 12(B)
4.	05M	Udala College, 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	Jashipur College, Jashipur	2(f) & 12(B)
9.	10M	Betnoti College, Betnoti	2(f) & 12(B)
10.	11M	Barasahi Panchayat SamitiCollege, Barasahi	2(f) & 12(B)
11.	12M	Chitrada College, Chitrada	2(f) & 12(B)
12.	13M	Anchalika Mahavidyalaya, Gadia	2(f) & 12(B)
13.	14M	Sahid Memorial Degree College, 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	Dhiraj LalDegreeCollege, Bahalda	2(f) & 12(B)
18.	19M	Meghasan College, Nudadiha	2(f) & 12(B)
19.	20M	S.S. Mahavidyalaya, Kuamara	2(f) & 12(B)
20.	21M	U. B. S. Mahavidyalaya, Chaksuliapada	
21.	22M	Kaptipada College, Kaptipada	2(f) & 12(B)
22.	23M	Laxmikanta College, 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	Sukruli Degree College, Sukruli	2(f) & 12(B)
27.	28M	P.S. Degree College, 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 Anchali 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 Mgt. & Technology, Baripada	
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	Briliance +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.		Maharani Prem Kumari College of Nursing, Baripada	
58.		Mayurbhanj Law College, Baripada	
59.		Mayurbhanj Ayurveda Mahavidyalaya, Baripada	
60.		Mayurbhanj Homoeopathic Medical College and	
61.		U.G.C.T.E., Baripada	
62.		Pandit Raghunath Murmu Medical College & Hospital, Baripada	
63.		Biju Patnaik B.Sc Nursing College, Debendrapur	
64.		Gayatri B.Sc Nursing College, P.C. Pur, Baripada	

65	60M	C. P. Degree Womens College, Sunaposi, Bisoi	
66		College of B.Sc Nurshing Training College, Takatpur, Baripada	
67		Kashinath Institute of Technological Education, Baripada	
68		Similipal College of Nurshing, Rairangpur	

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 ahavidyalaya, 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,Keonjhar	
30.	33K	Gayatri +3 Sc. College, Keonjhar	
31.	34K	Gonasika +3 Sc. College, Keonjhar	
32.	35K	Kairali College of +3 Science., 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	
39		Baitarani College of Nurshing, Ghuntur, Keonjhar	
40		Tarini College of Nurshing, College Road Keonjhar	
41		NPM Institute of Medical Science & research, Ranki, Knjr	
42		St. Xavier +3 Degree College of Sc. & Technology, Dimbo, Keonjhar	

OFFICERS OF THE UNIVERSITY

Sl. No.	Name of the officers	Designation
1.	Prof. Kishor Kumar Basa	Vice-Chancellor
3.	Sri Sahadev Samadhia, OAS (S)	Registrar
4.	Dr Laxidhar Giri OES-I	Controller of Examinations
5.	Sri Sukdev Tarei, OFS (JB)-I	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. Puhon	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	27.11. 2020 AN
13	Prof. Kishor Kumar Basa	27.11.2020 AN	To	Continuing

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 FN	To	31.03.2018 AN
14.	Prof. H. N Thatoi	31.03.2018 AN	To	31.05.2018 AN
15.	Prof. Susmita Kar	31.05.2018 AN	To	31.05.2020 AN
16	Prof. Anil Kumar Biswal	31.05.2020 AN	To	28.02.2022 AN
17	Prof. Pramoda K Satapathy	01.03.2022 FN	To	Continuing

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 K Satapathy	20.02.2019 AN	To	14.10.2020 FN
16	Sri Sahadev Samadhia, OAS(S)	14.10.2020 FN	To	Continuing

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(JB)	08.11.2010 AN	To	11.08.2014 FN
8.	Sri Sisir Kumar Das, OFS (JB)	11.08.2014 FN	To	30.05.2018 AN
9.	Sri Mayadhar Sahoo, OFS (S)	30.05.2018 AN	To	19.10.2020 AN
10	Sri Sukadev Tarei, OFS (JB)-I	19.10.2020 AN	To	Continuing

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 K Satapathy(I/c)	09.9.2016 FN	To	11.10.2017 FN
11.	Sri Nirmal Ch. Panda, OES-1	11.10.2017 FN	To	31.03.2019 AN
12	Dr. J. K. mantra	01.04.2019 FN	To	01.08.2019 FN
13.	Dr. Laxmidhar Giri, OES-1	01.08.2019 FN	To	Continuing

6. 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	31.05.2020
13.	Prof. H. K. Sahu	01.06.2020	To	31.05.2022
14	Prof. Susmita Kar	01.06.2022	To	Continuing

Teaching Staff of Regular Departments

Sl.No	Name of the teacher	Designation	Department	Remarks
1	Dr Hrudayanath Thatoi	Professor	Biotechnology	
2	Dr Biswajit Rath	Associate Professor		
3	Dr Sukanta Kumar Nayak	Associate Professor		
4	Dr Santosh Kumar Sahu	Assistant Professor-III		
5	Dr Gunanidhi DhangadaMajhi	Assistant Professor-III		
6	Dr A.K. Biswal	Professor	Botany	Superanuated on 31.03.2022
7	Dr Kamal Lochan Barik	Associate Professor		
8	Dr Sudam Charan Sahu	Assistant Professor-II		
9	Dr Bishnupriya Hansdah	Assistant Professor-II		
10	Dr Pramoda Kumar Satapathy	Professor	Chemistry	
11	Dr Rajesh Kumar Singh	Reader		
12	Dr Lingaraj Behera	Assistant Professor-III		
13	Dr Amar Kumar Dora	Assistant Professor-II		
14	Dr Asish Kumar Jena	Assistant Professor-II		
15	Dr Himabindu Maringanti	Professor	Computer Application	
16	Dr Jibendu Kumar Mantri	Associate Professor		
17	Dr Sujata Dash	Reader		
18	Dr Prasanta Kumar Swain	Assistant Professor-II		
19	Mr Swarupananda Bissoyi	Assistant Professor-II		
20	Dr Aditya Kumar Patra	Associate Professor	Economics	
21	Dr Minati Mallick	Associate Professor		
22	Dr Kabita Kumari Sahu	Associate Professor		
23	Dr Pratap Kumar Jena	Assistant Professor-II		
24	Dr Susmita Kar	Professor	Physics	

25	Dr Indrajit Naik	Associate Professor		
26	Dr Pravanjan Mallick	Associate Professor		
27	Dr Priyadarshini Sanghamitra Sahoo	Associate Professor		
	28	Dr Jyoti Ranjan Sahu		Assistant Professor-III
29	Dr Hemanta Kumar Sahu	Professor	Zoololgy	
30	Dr Puspanjali Parida	Reader		
31	Dr Priya Ranjan Debata	Assistant Professor-II		
32	Dr Cuckoo Mohapatra	Assistant Professor-II		
33	Dr Gargee Mohanty	Assistant Professor-II		
34	Dr Jatindra Nath Besra	Assistant Professor-II	Santali	
35	Dr Shaswat Panda	Assistant Professor-I	English	Campus-II
36	Dr Hiralal Dash	Professor	Sanskrit	
37	Dr Nibedita Pati	Assistant Professor-II		
38	Dr Babrubahan Mohapatra	Professor	Odia	
39	Dr Sisira Behera	Assistant Professor-II		
40	Dr Prabhu Prasad Das	Associate Professor	Geology	
41	Dr Biraja Prasad Das	Assistant Professor-I		
42	Dr Janmejyoy Nayak	Assistant Professor-I	Computer Science	
43	Dr Sharmila Subudhi	Assistant Professor-I		
44	Dr Laxman Kumar Sahoo	Assistant Professor-I	ATS	
45	Dr Priyanka Das	Assistant Professor-I		
46	Dr Bhubaneswar Sabar	Assistant Professor-I		
47	Dr Subhani Rath	Assistant Professor-I	WLBC	
48	Dr Debasis Nayak	Assistant Professor-I		
49	Dr Ashok Kumar Mallik	Assistant Professor-I		
50	Dr Yashabanta Narayan Singhababu	Assistant Professor-I	Material Science	Campus-II

Teaching Staff of Self Financing Courses

Sl No	Name	Designation	Department	Remarks
1	Dr. Sitaram Das	Asst. Professor (Contractual)	BA	
2	Dr. Kalpana Panigrahi	Asst. Professor (Contractual)		
3	Pravat Kumar Barik	Guest Faculty		

4	Dr. Partha Sarathi Mishra	Asst. Professor (Contractual)	Computer Science	
5	Mr. Santi Swarup Basa	Asst. Professor (Contractual)		
6	Mr. Subhasish Mohanta	Guest Faculty	Education	
7	Mrs. Subhadarshini Behera	Guest Faculty		
8	Dr. Shakti Shankar Dandapat	Guest Faculty	English	
9	Dr. Shabnam Parveen	Guest Faculty		
10	Ms. Subhashree Pattnaik	Guest Faculty		Campus-II
11	Mrs. Sasmita Pani	Guest Faculty	Hindi	
12	Dr. Samir Kumar Lenka	Asst. Professor (Contractual)	Int. B.Ed.-M.Ed	
13	Dr. Ramesh Kumar Parua	Asst. Professor (Contractual)		
14	Ms. Puja Barick	Guest Faculty		
15	Dr. Nabin Kumar Sahu	Guest Faculty	Library & Inf. Sc	
16	Mrs. Sashmita Nayak	Guest Faculty		
17	Dr. Sanjukta Mohnaty	Asst. Professor (Contractual)	Mathematics	
18	Mr. Lambodar Mohanta	Asst. Professor (Contractual)		
19	Mrs Smrutilekha Das	Guest Faculty		
20	Dr. Muktikanta Panigharhi	Guest Faculty	Material Science	Campus-II
21	Dr. Bichitranath Sahoo	Asst. Professor (Contractual)	Odia	
22	Dr. Ranjita Patra	Guest Faculty		
23	Dr. Debabrata Nandi	Guest Faculty	RS&GIS	
24	Dr. Bholanath Dash	Guest Faculty	Sanskrit	
25	Dr. Pankaj Kumar Mahana	Guest Faculty		
26	Mr. Suvendu Kumar Satapathy	Asst. Professor (Contractual)	Social Work	
27	Mr. Sujay Kundu	Guest Faculty		
28	Dr. Srustidhar Rout	Asst. Professor (Contractual)	WLBC	
29	Dr. Rabindra Kumar Mishra	Asst. Professor (Contractual)		
30	Dr. Monali Madhusmita	Guest Faculty	Yoga and Naturopathy	
31	Mrs. Poonam Gupta	Guest Faculty		

NON-TEACHING EMPLOYEES OF THE UNIVERSITY

Sl. No.	Name of the staff	Designation	Remarks
1	Sri Jnanendra Kumar Sethi	Deputy Registrar	Superannuated on 30.06.2022
2	Sri Ramakanta Mohanta	Deputy Controller of Examinations	MSCBU, Baripada
3	Sri Nalini Ranjan Das	PS to VC	MSCBU, Baripada
4	Sri Upendra Tudu	PA	MSCBU, Baripada
5	Sri Debendra Ku. Pati	SO	MSCBU, Baripada
6	Sri Subash Chandra Gagrai	SO	MSCBU 2 nd Campus, Keonjhar
7	Sri Hiranya Ku. Mahanta	SO	MSCBU, Baripada
8	Sri Sanjib Kumar Tanti	SO	MSCBU, Baripada
9	Sri Dipak Ku. Panigrahi	SO	MSCBU, Baripada
10	Sri Pradeep Baral	Sr. Steno	MSCBU, Baripada
11	Sri Ujit Kumar Das	Jr. Steno	MSCBU, Baripada
12	Sri Rama Chandra Baske	Jr. Steno	MSCBU, Baripada
13	Sri Satyanarayan Mohanty	Sr. Asst.	MSCBU, Baripada
14	Sri Joygobinda Pani	Sr. Asst.	MSCBU, Baripada
15	Pradip Kumar Dwibedi	Sr. Asst.	MSCBU, Baripada
16	Sri Tapan Kumar Patra	Sr. Asst.	MSCBU, Baripada
17	Ms Mousumi Ghosh	Sr. Asst.	MSCBU, Baripada
18	Sri Ajay Kumar Bal	Sr. Asst.	MSCBU, Baripada
19	Ms Abhilasa Ram	Sr. Asst.	MSCBU, Baripada
20	Smt. Sunita Tudu	Sr. Asst.	MSCBU, Baripada
21	Smt. Susmita Patra	Sr. Asst.	MSCBU, Baripada
22	Sri Harish Chandra Pati	Jr. Asst	MSCBU, Baripada

23	Sri Manas Kumar Acharya	Typist	MSCBU, Baripada
24	Sri Shibaprasad Mohanta	Diarist	MSCBU, Baripada
25	Sri Pradipta Ranjan Dash	PET	MSCBU, Baripada
26	Sujata Chakra	Asst. Librarian	MSCBU, Baripada
27	Smt. Bhagabati Panda	Matron	MSCBU, Baripada
28	Sri Purna Chandra Behera	Driver	MSCBU, Baripada
29	Dr. Bhabani Sh. Mohanta	Lab. Asst. cum Storekeeper	MSCBU, Baripada
30	Ms Jyoti Pragyan Majhi	Lab. Asst. cum Storekeeper	MSCBU, Baripada
31	Dr. Srikrushna Mohanta	Lab. Asst. cum Storekeeper	MSCBU, Baripada
32	Ms Nilima Tripathy	Compounding Asst.	MSCBU, Baripada
33	Sri S. Mishra	Jr. Asst. (IA)	MSCBU, Baripada
34	S. Rout	Jr. Asst. (IA)	MSCBU, Baripada
35	Sri S. Lima	Jr. Asst. (IA)	MSCBU, Baripada
36	Sri S. Marandi	Jr. Asst. (IA)	MSCBU, Baripada
37	S. Parida	Jr. Asst. (IA)	MSCBU 2 nd Campus, Keonjhar
38	Bichitrananda Satapathy	Jr. Gr. Recoder	Deputed staff from the Governor's Secretariat
39	Sri Sadananda Behera	Peon	MSCBU, Baripada
40	Sri Jnana Ranjan Parichha	Peon	MSCBU, Baripada
41	Sri Upendra Samal	Peon	MSCBU, Baripada
42	Sri Kishore Chandra Mukhi	Watchman	MSCBU, Baripada
43	Smt. Kabita Panda	Peon	MSCBU, Baripada
44	Smt. Arati Jena	Peon	MSCBU, Baripada

45	Ms Susama Bag	Peon	MSCBU,Baripada
46	Sri Pitambar Nayak	Peon	MSCBU,Baripada
47	Smt. Kalparekha Sing	Peon	MSCBU,Baripada
48	Sri Ranjit Sing	Peon	MSCBU,Baripada
49	Rajani Majhi	Peon (Contractual)	MSCBU,Baripada
50	Sri Rama Chandra Mukhi	Watchman-cum-Sweeper	MSCBU,Baripada
51	Sri Pradip Kumar Behera	Watchman-cum-Sweeper	MSCBU,Baripada
52	Sri Himansu Shekhar Mohanta	Watchman-cum-Sweeper	MSCBU,Baripada
53	Sri Ruhya Marndi	Peon	MSCBU,Baripada
54	Biswajit Dalei	Peon (Contractual)	MSCBU,Baripada

REGISTRAR'S REPORT

The Maharaja Sriram Chandra Bhanjadeo University (MSCBU) (Erstwhile North Orissa University) was established on 13th July, 1998 and started functioning at Bhubaneswar temporarily. Later on from the year 1999 it was started functioning at Baripada. Every year on 13th of July we observed the University Foundation Day and in 2022 we are going to observe our 25th Foundation Day. On this occasion I am going to present a brief report on overall activities of the University for the session 2021-22.

Our University is governed by the Odisha Universities Act, 1989 as amended from time to time vide gazette notification No.10693-I-Legis-39/2020/L dated 09.11.2020. As per this amendment the Senate has been abolished and Syndicate and Academic Council of the University has been reconstituted. Further, taking into account the contribution of Late Maharaja Sriram Chandra Bhanjadeo the name of 'North Orissa University' has been changed as 'Maharaja Sriram Chandra Bhanjadeo University' with effect from 23.12.2020 vide Higher Education Department Govt. of Odisha Notification No.HE-UNE-UNI-0010-2020/42836/HE dated 23.12.2020 and Odisha Gazette Notification No.SRO No.278/2020 dated 23.12.2020.

The main campus of the University is functioning at Takatpur, Baripada of Mayurbhanja district, having a total land area of 98 acres and 84 decimals and the second campus is working at

Suleikhamar of Keonjhar district with a land area of 21 acres and 6 decimals. There are 110 Degree Colleges including three Autonomous Colleges, one Medical College, one Homeopathy Medical College, one Ayurvedic Medical College, two B. Ed Colleges, one special B. Ed College and 9 Nursing Colleges affiliated to this University.

At present there are 11 numbers of regular P.G. Departments, 12 Self-Financing Departments running in Baripada Campus and 5 regular P.G. Departments functioning in Keonjhar Campus. In the academic session of 2021-22, a total number of 1602 candidates enrolled into P.G. courses while 40 students enrolled into M. Phil curriculum and 100 applicants admitted in Pre-Ph. D coursework programmes.

During the financial year 2021-22 Department of Higher Education Government of Odisha has given a financial grant of Rupees 18.9 crore towards salary and 1.55 crore towards non salary head, 87.69 lakhs towards infrastructural development grant for construction of boundary wall of Ladies Hostel at 2nd Campus of the University. Further, during 2021-22 our University has received rupees 39.16 Lakh from different funding agencies towards research projects.

During the year 2021-22 construction and renovation activity of the university was going on in a full swing. These includes Construction of Gymnasium Building for ladies, Bank and Post Office Building, C.C. Road to Gents Hostel, Security room with wash room in the main gate of V.C. Residence, Borewell in the Guest House, Boundary Wall in the Ladies Hostel (2nd Campus), Footpath from Main gate to Administrative Building, and Garden in front of Convention Hall, Stadium, Construction of design railing parapet in the lawn and development of garden near Maharaja Statue and 200 Seated 2nd Gents Hostel, etc.

In the last academic year a good number of National Seminars have been organized by various departments of MSCBU. In addition to these 35th Annual Conference of Orissa Chemical Society was held during December 18-19, 2021. A Two days National Seminar on ‘Similipal: Communities, Biodiversity, Conservation’ was organized by ‘Similipal Study Centre’ of the University on 20-21 December 2021. A DAE-BRNS Outreach Theme Meeting on “Societal Applications of Nuclear Science and Technology” was jointly organized by DAE (BARC), IOP, NISER, and Our University in association with IANCAS from 25th to 27th March 2022 to commemorate *Azadi ka Amrit Mohotsav*. Further, two days National Seminar on ‘Research for Protection of Animals’ was conducted by Department of Zoology in collaboration with Zoological Society of Orissa on 29th and 30th March 2022. The First Annual Maharaja Sriram Chandra Bhanja Deo Lecture was delivered by Professor Jonathan Mark Kenoyer, Department of Anthropology, University of Wisconsin-Madison, USA on May 20, 2022.

The 4th Foundation Day of Literary Council of Maharaja Sriram Chandra Bhanjadeo University along with 9th Classical Language Day of Odia Literature was held on 11.03.2022. On that day Prof. P.K. Satapathy, Chairman PG Council and Sri Pranab Ranjan Bhuyan, an eminent Odia writer graced the occasion as Guest of Honour and Chief Guest respectively.

In a landmark achievement to its credit, Maharaja Sriram Chandra Bhanjdeo University hosted the first Odisha Inter-University Competition (Games & Sports) with the support of the Department of Higher Education, Government of Odisha. The tournament was held from 11th to 14th March 2022. Around 1250 sports persons both male and female across 15 universities have participated in this mega event.

During the academic session the NSS Bureau of MSCB University has organized a number of events like, Webinar on ‘Preventive Measure and Awareness Campaign’ to Fight Second Wave of COVID-19 Pandemic, International Yoga Day, World Aids Day, Inauguration of “Sacred Grove”, National Youth Day, Distribution of Warm Clothes, Awareness against Anti-Witchcraft, Awareness against Forest Fire, and International Women’s Day.

Academic Calendar has been strictly following for admission, teaching, conduct of examination and for publication of result in time. However due to pandemic COVID-19 situation the results of U.G. P.G. and M. Phil of the session 2020-21 was published as per government date line. The pass percentage in Arts, Science and Commerce (Pass & Hons) were 97.22%, 98.74% and 96.39% respectively. During 2021-22 academic sessions fifty two (52) scholars have been conferred with Ph. D degrees.

This year following two eminent personalities one from Mayurbhanj District and another from Keonjhar District will be felicitated as “*BHUMI GOURAV*” on the foundation day of the University today.

- i. Sj. Girish Chandra Murmu, IAS, The Comptroller & Auditor General of India (Mayurbhanj District)
- ii. Dr. Banalata Mohanty, Professor & Head, Deptt. of Zoology, University of Allahabad (Keonjhar District)

To maintain our tradition the University will felicitate Prof Anil Kumar Biswal, Professor of Botany and Sri J.K.Sethi, Deputy Registrar who had superannuated on 31st March 2022 and 30th June 2022 respectively on the 25th Foundation day. Further it is decided to confer Kumudini Memorial Award to Hemananda Behera, Roll No.13001N194003 of P.G. Department of Zoology, MSCBU for securing highest marks in P.G.Examinations of Zoology held in 2021 and Dr. Ashok Priyadarshi Memorial Award for the Best History Graduate for the year 2021 to Keshab Chandra Mahanta, Roll No.0812K18007 of B.B. Mahavidyalaya, Harichandanpur, Keonjhar.

Amongst the non-teaching staff members of this University from Class-III (Group-C) category Sri Pradeep Baral, Senior Stenographer and from Class-IV (Group-D) category Sri Rama Chandra Mukhi, Watchman-cum-Sweeper has been selected as the best employees for the year -2022. They will be felicitated on the Foundation day.

Appropriate preventive measures have been taken by the University to face the 3rd wave of COVID-19 pandemic. During the COVID-19 lock down period our faculty members have applied number of project proposals to different funding agencies and published research papers

in different journals of national and international repute. Our faculty members have been taking classes in online mode by using WhatsApp, ZOOM, and Google Meet.

With the vision, mission and leadership of Hon'ble Vice-Chancellor the University is heading towards achieving new milestones in both academics and other fields. Lastly on the occasion of 25th Foundation day I wish every employees of Maharaja Sriram Chandra Bhanjadeo University to accelerate their performance through hardworking and cooperation for the betterment of the University.

At last I wish everyone a good time ahead.

Thank You,

Shri Sahadev Samadhia,

Registrar

ADMINISTRATION

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.	Nature of Assignment	Designation	Name of the faculty/Officer
1.	All India Survey on Higher Education (AISHE)	Co-ordinator	Dr. A.K. Patra, Dept. of Economics
2.	Anti Ragging Cell	Chairman	Chairman, P.G. Council
		Member	Prof. M. Himabindu, Dept. of CA
		Member	Prof. H.K. Sahu, Dept. of Zoology

		Member	Prof. S. Kar, Dept. of Physics
		Member	Dr. B. Rath, Dept. of Biotech.
		Member	Dr. R.K. Singh, Dept. of Chemistry
		Member	Dr. Hiralal Dash, Dept. of Sanskrit
		Member	Dr. B. Mohapatra, Dept. of Odia
3.	Biometrics	Officer-in-Charge	Mr S. Bissoyi, Dept. of CA
4.	Bio-Informatics Centre	O.I.C.	Prof. H.N. Thatoi, Dept. of Biotech.
5.	Campus Beautification & Development	Co-ordinator	Dr. Minati Mallick, Dept. of Economics
		Deputy Coordinator	Dr. B. Hansdah, Dept. of Botany Dr. J.N. Besra, Dept. of Santali
6.	Canteen Committee	Chairman	Registrar
		Member	Comptroller Finance
		Member	Chairman, P.G. Council
		Member	Warden of Hostel
		Member	Deputy Registrar
7.	CCTV Surveillance	Professor I/C	Dr. J.K. Mantry, Dept. of CA
		Associate Officer	Dr. P.K. Swain, Dept. of CA
8.	Career Counselling Cell	Officer-in-Charge	Mr. S. Bissoyi, Dept. of CA
9.	Centre for Similipal Studies	Director	Prof. H.N. Thatoi, Dept. of Biotech.
		Joint Director	Prof. H.K. Sahu, Dept. of Zoology
		Asst. Director	Dr. S.C. Sahu, Dept. of Botany
			Dr. C. Mahapatra, Dept. of Zoology
10.	Convention & Foundation Day Celebration Committee	Co-ordinator	Registrar
		Member	All Professors
		Member	All HsOD
		Member	Comptroller of Finance
		Member	Controller of Examinations
		Member	Deputy Registrar
		Member	Deputy Controller of Examinations
11.	Computer Centre	O.I.C.	HoD, Dept. of CA
12.	Cultural Programme of the University	Co-ordinator	Dr. P.S. Sahu, Dept. of Physics
		Deputy Co-ordinator	Dr. S.K. Sahu, Dept. of Biotech.
			Dr. S.K. Behera, Dept. of Odia- for 2 nd Campus
13.	DDCE	Director	Prof. H.K. Sahu, Dept. of Zoology
		Deputy Director	Dr. K.L. Barik, Dept. of Botany
		Dy. Controller of Examinations (DDCE)	Dr. I. Naik, Dept. of Physics
		Asst. Director-cum-Coordinator	Saswat Panda, Dept. of English

		MSCBU Study Centre, Keonjhar	
		Asst. Director-cum-Coordinator MSCBU Study Centre, Baripada	Dr. P.K. Jena, Dept. of Economics
14.	Development	Development Officer	Dr. J.K. Mantry, Dept. of CA
15.	Student's Welfare	Director	Dr. A.K. Patra, Dept. of Economics
		Deputy Director	Dr. L. Behera, Dept. of Chemistry
16.	Equal Opportunity Cell	Convenor	Prof. M. Himabindu, Dept. of CA
		Member	Prof. H.N. Thatoi, Dept. of Biotech.
		Member	Prof. S. Kar, Dept. of Physics
17.	Grievance Redressal Cell	Co-ordinator	Chairman, P.G. Council
		Member	Warden of Hostel
		Member	Controller of Examinations
18.	Guest House	Officer-in-Charge	Dr. S.K. Nayak, Dept. of Biotech.
		Associate Officer-in-Charge	Dr. P.K. Jena, Dept. of Economics
19.	Hostel (Boy's Hostel)	Superintendent	Dr. B. Rath, Dept. of Biotech.
		Asst. Superintendent	Dr. G. Dhangdamajhi, Dept. of Biotech.
20.	Hostel (Ladies Hostel-1)	Superintendent	Dr. P.S. Sahu, Dept. of Physics
		Asst. Superintendent	Dr. G. Mohanty, Dept. of Zoology
21.	Hostel (Ladies Hostel-2)	Superintendent	Dr. S. Dash, Dept. of CA
		Asst. Superintendent	Dr. G. Mohanty, Dept. of Zoology
22.	Hostel (Ladies Hostel-3)	Superintendent	Dr. K.K. Sahu, Dept. of Economics
		Asst. Superintendent	Dr. B.P. Hansdah, Dept. of Botany
23.	Hostel (Ladies Hostel-4)	Superintendent	Dr. Minati Mallick, Dept. of Economics
		Asst. Superintendent	Dr. C. Mahapatra, Dept. of Zoology
24.	Hostel (M.Phil. & Ph.D.)	Superintendent	Dr. P. Mallick, Dept. of Physics
		Asst. Superintendent	Dr. A.K. Dora, Dept. of Chemistry
25.	HRD Centre	Director	Prof. H.N. Thatoi, Dept. of Biotech.
		Deputy Director	Dr. P.R. Debata, Dept. of Zoology
26.	IDP	Co-ordinator	Prof. H.N. Thatoi, Dept. of Biotech.

		Deputy Co-ordinator	Dr. P. Parida, Dept. of Zoology
		Building Nodal Officer	Dr. S.K. Nayak, Dept. of Biotech.
		Accounts Bursar	Dr. A.K. Patra, Dept. of Economics
27.	Identity Card (For Student/Employees/Faculty Members etc.)	Officer-in-Charge	Mr S. Bissoyi, Dept. of CA
		Associate Officer-in-Charge	Dr. G. Mohanty, Dept. of Zoology
28.	Internal Complaint Committee	Presiding Officer	Prof. S. Kar, Dept. of Physics
		Member	Dr. S. Dash, Dept. of CA
		Member	Dr. Minati Mallick, Dept. of Economics
		Member	Smt. Sunita Tudu, Senior Assistant
		Member	Mr. J.K. Sethy, Deputy Registrar
		Member	Ms. Gayatri Panda, Research Scholar, dept. of Biotech.
		Member	Dr. Binodini Rath, Former Principal, MLC, Baripada
29.	IQAC	Director	Prof. M. Himabindu, Dept. of CA
		Deputy Director	Dr. P. Mallick, Dept. of Physics
		Deputy Director	Dr. P.R. Debata, Dept. of Zoology
30.	Land & Estate Committee	Co-ordinator	Registrar
		Member Convenor	Development Officer
		Member	Chairman, P.G. Council
31.	Library	Officer-in-Charge	Prof. H.N. Thatoi, Dept. of Biotech.
		Associate Officer-in-Charge	Dr. L. Behera, Dept. of Chemistry
32.	Museum & Archives	Professor-in-Charge	Dr. P.S. Sahu, Dept. of Physics
		Member	Dr. G. Mohanty, Dept. of Zoology
		Member	Dr. B. Hansdah, Dept. of Botany
33.	NAD (National Academic Depository) (UGC)	Co-ordinator	Controller of Examinations
		Member	Dr. S. Dash, Dept. of CA
		Member	Dr. B. Rath, Dept. of Biotech.
34.	Placement Cell	Officer-in-Charge	Dr. K.K. Sahu, Dept. of Economics
35.	Plagiarism Checking	Officer-in-Charge	Mr S. Bissoyi, Dept. of CA
36.	R & D	Professor-in-Charge	Prof. H.N. Thatoi, Dept. of Biotech.
		Associate Officer-in-Charge	Dr. R.K. Singh, Dept. of Chemistry
37.	Repair & Maintenance	Officer-in-Charge	Dr. K.L. Barik, Dept. of Botany
38.	RUSA	Co-ordinator	Dr. P. Parida, Dept. of Zoology
		Co-coordinator	Mr S. Bissoyi, Dept. of CA

39.	Scholarship Matter	Nodal Officer	Dr. A.K. Dora, Dept. of Chemistry
40.	Sexual Harassment Cell	Chairperson	Prof. M. Himabindu, Dept. of CA
		Member	Dr. M. Mallick, Dept. of Economics
		Member	Dr. P. Parida, Dept. of Zoology
		Member	Dr. C. Mahapatra, Dept. of Zoology
		Member	Dr. K.L. Barik, Dept. of Botany
41.	SFC	Director	Chairman, P.G. Council
		Deputy Director	Dr. S.K. Sahu, Dept. of Biotech.
		Asst. Director	Dr. A.K. Dora, Dept. of Chemistry
42.	Sports Council	Secretary	Dr. I. Naik, Dept. of Physics
43.	SC & ST Cell	Co-ordinator	Dr. R.K. Singh, Dept. of Chemistry
		Deputy Co-ordinator	Dr. G. Dhangdamajhi, Dept. of Biotech.
44.	Store	Officer-in-Charge	Dr. S.K. Nayak, Dept. of Biotech.
		Associate Officer-in-Charge	Dr. P.R. Debata, Dept. of Zoology
45.	SWAYAM/MOOCs	Co-ordinator	Prof. M. Himabindu, Dept. of CA
		Deputy Co-ordinator	Dr. P.R. Debata, Dept. of Zoology
		Member	Dr. A.K. Jena, Dept. of Chemistry
		Member	Dr. C. Mahapatra, Dept. of Zoology
		Member	Dr. S.C. Sahu, Dept. of Botany
46.	UGC Matter	Professor-in-Charge	Prof. H.N. Thatoi, Dept. of Biotech.
		Associate Officer	Dr. A.K. Jena, Dept. of Chemistry
47.	Website	Professor-in-Charge	Dr. P.K. Swain, Dept. of CA
		Associate Officer	Dr. J.R. Sahu, Dept. of Physics
			Dr. P.K. Jena, Dept. of Economics

ACADEMICS

Maharaja Sriram Chandra Bhanja Deo University (Erstwhile North Orissa University) is primarily concerned with affiliation, teaching and research activities. There are 103 Colleges affiliated to this University including 03 Autonomous Colleges, out of them 65 Colleges belong to Mayurbhanj District and 38 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
12. M. Sc. in Wildlife and Biodiversity Conservation
13. M.A./M. Sc. in Anthropology and Tribal Studies
14. M.Sc. in Computer Science
15. M Sc. in Geology
16. M. Sc. and M.Phil. in Material Science

SELF FINANCING COURSES

1. Master in Business Administration (M.B.A.)
2. Master in Library and Information Science
3. M. Sc. in Remote Sensing & GIS
4. Master in Social Work
5. MA in English (Main Campus)
6. MA in Education
7. MA/M.Sc in Mathematics
8. MA in Odia (Main Campus)
9. MA in Sanskrit (Main Campus)
10. MA in Hindi
11. MA/M. Sc. in Yoga and Naturopathy
12. Integrated B.Ed-M.Ed.

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

Certificate Courses

Sl. No.	Name of the Course	Course Code	Offering Department
1	Tribal development	CC-TD	ATS
2	Clinical Biochemistry and Molecular Diagnostic	CC-CBMD	Biotechnology
3	Assessment of Biodiversity & Conservation	CC-ABC	Botany
4	Business Environment and Law	CC-BEL	Business Administration
5	Analytical Instrumentation Technique	CC-AIT	Chemistry
6	“C”	CC-C	Computer Application
7	Core JAVA Programming	CC-CJ	Computer Science
8	Research Methodology for Social Science	CC-RMSS	Economics
9	Indian Literature in translation, tradition and practices	CC-ILTTP	English
10	Organization and Processing of Library Resources	CC-OPLR	Library and Information Science
11	Operations Research	CC-OR	Mathematics
12	Folk Literature	CC-FL	Odia
13	Physics with SCILAB	CC-PS	Physics
14	Basic Principles of Remote Sensing and Applications	CC-BPRSA	RS and GIS
15	Santali Language	CC-SL	Santali
16	Environmental Impact Assessment (EIA) and Management Plan(EMP)	CC-EIAEMP	WLBC
17	Advance Molecular Biology	CC-AMB	Zoology

ENROLMENT POSITION OF STUDENTS 2021-2022**A. DEMAND RATIO**

SL.No .	Programme Code	Programme Name	Number of seats available/ Sanctioned	Number of eligible application s received	Number of Students Admitted
Academic Session 2021-2022					
1	M.A./M.Sc.- ATS	M.A./M.Sc. Anthropology and Tribal Studies	30	20	4
2	M.Sc.-BT	M.Sc. Biotechnology	30	365	29
3	M.Sc.-BOT	M.Sc. Botany	30	776	30
4	M.Sc.-CH	M.Sc. Chemistry	30	569	30
5	MCA	Master Computer Application	30	288	30
6	M.Sc.-CS	M.Sc. Computer Science	30	93	4
7	M.A.-ECO	M.A. Economics	40	344	40
8	M.A.-ENG	M.A. English	80	354	78
9	M.Sc.-GL	M.Sc. Geology	30	337	30
10	M.Sc.-MS	M.Sc. Material Science	30	9	5
11	M.A.-ODI	M.A. Odia	80	956	79
12	M.Sc.-PHY	M.Sc. Physics	30	742	30
13	M.A.-SANS	M.A. Sanskrit	80	751	75
14	M.A.-SNT	M.A. Santali	40	20	11
15	M.Sc.-WLBC	M. Sc. Wildlife and Biodiversity Conservation	30	115	19
16	M.Sc.-ZO	M.Sc. Zoology	30	717	28
17	MBA	Master of Business Administration	40	192	32
18	M.A./M.Sc.- IBM	Integrated B.Ed. & M.Ed.	50	317	50
19	M.A.-EDN	M.A. Education	40	376	35
20	M.A./M.Sc.- MATH	M.A/M. Sc. Mathematics	30	293	30
21	MSW	M.A. Social Work	40	61	15
22	M.A.-HN	M.A. Hindi	40	49	5
23	MLIS	Master Library & Information Science	40	119	29
24	M.Sc.-RSGIS	M.Sc. Remote Sensing & GIS	30	38	12
25	M.A./M.Sc.- YN	M.A./ M.Sc. Yoga and Naturopathy	30	26	12
			990	7927	742

B. CATEGORY-WISE ENROLMENT

Sl. No.	Programme Name	Number of seats earmarked for reserved category as per GOI or State Government rule					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 2021-2022																
1	M.A./M.Sc. Anthropology and Tribal Studies	5	7	0	16	2	0	0	0	2	1	1	0	0	0	0
2	M.Sc. Biotechnology	5	7	0	16	2	0	4	1	2	0	6	4	12	0	0
3	M.Sc. Botany	5	7	0	16	2	2	1	2	4	0	5	3	13	0	0
4	M.Sc. Chemistry	5	7	0	16	2	2	3	5	2	1	4	9	4	0	0
5	Master Computer Application	5	7	0	16	2	1	0	3	1	7	2	11	5	0	0
6	M.Sc. Computer Science	5	7	0	16	2	0	0	2	0	0	1	1	0	0	0
7	M.A. Economics	7	9	0	22	2	3	5	2	7	8	8	1	6	0	0
8	M.A. English	13	18	0	45	4	1	1	0	3	7	29	9	28	0	0
9	M.Sc. Geology	5	7	0	16	2	0	1	2	0	9	6	6	6	0	0
10	M.Sc. Material Science	5	7	0	16	2	0	0	0	0	1	1	2	1	0	0
11	M.A. Odia	13	18	0	45	4	3	12	3	15	4	16	4	19	2	1
12	M.Sc. Physics	5	7	0	16	2	2	2	1	4	5	1	8	5	1	1
13	M.A. Sanskrit	13	18	0	45	4	2	7	1	13	3	35	0	14	0	0
14	M.A. Santali	7	9	0	22	2	0	0	5	6	0	0	0	0	0	0
15	M. Sc. Wildlife and Biodiversity Conservation	5	7	0	16	2	0	1	0	0	7	5	2	4	0	0
16	M.Sc. Zoology	5	7	0	16	2	1	2	1	6	0	4	0	12	1	1
17	Master of Business Administration	7	9	0	22	2	0	1	1	1	4	2	18	5	0	0
18	Integrated B.Ed. M.Ed.	8	11	0	29	2	0	2	4	0	10	3	10	21	0	0
19	M.A. Education	7	9	0	22	2	4	1	0	7	1	8	2	12	0	0
20	M.A/M. Sc. Mathematics	5	7	0	16	2	0	5	1	1	12	7	2	2	0	0
21	M.A. Social Work	7	9	0	22	2	0	0	2	4	4	2	0	3	0	0
22	M.A. Hindi	7	9	0	22	2	0	0	0	1	0	2	0	2	0	0
23	Master in Library & Information Science	7	9	0	22	2	3	1	1	1	7	11	1	4	0	0
24	M.Sc. Remote Sensing & GIS	5	7	0	16	2	0	0	0	0	2	0	8	2	0	0
25	M.A./ M.Sc. Yoga and Naturopathy	5	7	0	16	2	0	1	0	1	2	5	0	3	0	0
		166	226	0	542	56	24	50	37	81	95	164	101	183	4	3

ACTIVITIES OF DEPARTMENTS

A. Main Campus, Baripada

DEPARTMENT OF ANTHROPOLOGY AND TRIBAL STUDIES

The present Department of Anthropology and Tribal Studies (ATS) was established in the year 2001 with self-finance mode as Centre for Tribal Studies and was regularised in 2021-22 academic session. With three regular faculties, this department offers both MA and MSc course in anthropology. With an aim to set a standard of excellence by engaging quality teaching and research in the domain of anthropology, this department aims to promote inclusive development and positive change in the society through anthropological way. The department, having well-equipped laboratory facilities and class room, aims at facilitating quality education in order to engage the students towards creating a learning environment in the society.

Research Publication:

A. Journal

1. Encountering Illness: Local Knowledge, Institutions and the Science of Healthcare Practices among the Chuktia Bhunjia Tribe of Odisha, India, **Journal of Asian and African Studies**, DOI: 10.1177/00219096221086541 (2022).
2. Intersecting Knowledge with Landscape: Indigenous Agriculture, Sustainable Food Production and Response to Climate Change – A Case Study of Chuktia Bhunjia Tribe of Odisha, India, **Journal of Asian and African Studies**, DOI: 10.1177/00219096221099634 (2022).

Conference/Seminar/Workshop/Symposia Participated and Presented:

Dr. Priyanka Das

1. Craniofacial indices: an adult Indian population-based study. Presented in National seminar on *Anthropology of Contemporary Era* organised by Department of Anthropology, University of North Bengal, 2-4 March, 2022.

Dr. Bhubaneswar Sabar

1. Encountering Illness: Anthropology of Traditional Healthcare Practices among Chuktia Bhunjia Tribe of Odisha, India. Presented in the national seminar "*Anthropology in 21st Century and Beyond*", organised by Department of Anthropology, University of Delhi, Feb 9-11, 2022.

2. Ecological Worldview, Cosmologies and Biodiversity Conservation: Experience from a Particularly Vulnerable Tribal Groups of Odisha, India. Presented in Indian Anthropology Congress- 2022, *Anthropology and Bio-Cultural Diversity In India: Retrospect And Prospect*, Organized by Department of Anthropology, University of Hyderabad in collaboration with Indian National Confederation and Academy of Anthropologists, 21-23 February, 2022.
3. Ethno-ecological Knowledge: A Tool for Sustainable Livelihood and Eco-Restoration- A Case Study of the Chuktia Bhunjia Tribe of Odisha, India. Presented in *Sustainable Development: Taming Consumption, Yearning for Inclusivity* conducted by Centre for Knowledge Ideas and Development Studies (KnIDS), Kolkata, held on February 25-26, 2022.

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology, Maharaja Sriram Chandra Bhanjdeo University (erstwhile North Orissa University) was started in the year 2002 in self financing mode (Aid on Course) with student intake strength of 20 and subsequently increased to 30. In the year 2005, Under-Graduate course in B. Sc. Biotechnology (Honors) was introduced with student intake capacity of 30. Subsequently M. Sc biotechnology course was converted to a regular course/department in 2012 with sanction of 6 faculties (1 Professor, 2 Readers, 3 Lecturers) by state government to import teaching and research in Biotechnology. Besides M.Sc program, Department is undertaking M.Phil..and Ph.D programs. Students admitted to two years M.Sc. program are selected through common entrance test (CPET) who are on successful completion of the course in 4 semesters awarded with M.Sc. degree. Admission into M. Phil and Pre-PhD courses are conducted through entrance followed by viva-voce. The syllabus for the course is based on CBCS pattern as prescribed by UGC. The revised syllabus carries 100 credits. The Department has 2 general laboratories/2 research laboratories, one smart classroom, one library/computer facility centre to cater the need of P.G./M.Phil & Pre-PhD. students engaged in research activities. Despite, the dept. is well established and provides students with state-of-the-art equipment and facilities that are housed within two academic buildings. Students have access to a well sophisticated bioinformatics centre situated within the department, lab equipped with highly sophisticated ultramodern instruments. The faculty members are actively working on various biotechnology related projects/research programs supported by DST, UGC, DAE, Department of Forests, Govt. of Odisha and also through collaboration with different National Research Institution/Universities. Department has achieved the distinction of being DST-FIST sponsored since 2016.

Research Publication:

A. Journal

1. S Das, BC Behera, RK Mohapatra, B Pradhan, M Sudarshan, A Chakraborty, H. Thatoi. Reduction of hexavalent chromium by *Exiguobacterium mexicanum* isolated from chromite mines soil. *Chemosphere*, 2021; 282: 131135.
2. S Rath, M Paul, HNThatoi. Molecular modeling, docking and dynamic studies of fungal DyPs to determine substrate specificity for an efficient lignin biodegradation towards bioethanol production. *Bioresource Technology*, 2022; 18: 101036.
3. SK Das, M Paul, BC Behera and H.N. Thatoi. Current status of COVID-19 vaccination: safety and liability concern for children, pregnant and lactating women, *Expert Review of Vaccines*, 2022; 1-18.
4. S Das, BC Behera, M Sudarshan, A Chakraborty, HN Thatoi, Bioreduction potential of chromate resistant bacteria isolated from chromite mine water of Sukinda, Odisha, *Bioremediation Journal*, 2022; 1-11.
5. SK Pradhan, DK Sahu, NR Singh, U Kumar, HN Thatoi, Unveiling of metal-tolerance bacterial consortia in chromite mine by metagenomic approaches, 2022
6. S Rath, M Paul, HK Behera, HN Thatoi, Response surface methodology mediated optimization of Lignin peroxidase from *Bacillus mycoides* isolated from Simlipal Biosphere Reserve, Odisha, India, *Journal of Genetic Engineering and Biotechnology*, 2022; 20(1): 1-20.
7. M Paul, S Mohapatra, PK Dasmohapatra, H.N. Thatoi, Microbial cellulases – An update towards its surface chemistry, genetic engineering and recovery for its biotechnological potential, *Bioresource Technology*, 2021; 340: 125710.
8. S Das, SH Panada, M Bole, N Pal, BR Samantaray, HN Thatoi, Facets of nanotechnology in food processing and safety: An Emerald Insight, *Bio-Nano Interface*, 2022; 75-92.
9. M Panda, M Paul, S Singdevsachan, K Tayung, K Das, S Kumar, HN Thatoi, Promising Anti-cancer therapeutics from mushrooms: current findings and future perceptions. *Current Pharmaceutical Biotechnology*, 2021; 22(9): 1164-1191.
10. S Mohapatra, BC Behera, AN Acharya. HNThatoi, Life cycle assessment of bioethanol from *Pennisetum* sp. Using fed-batch simultaneous saccharification and cofermentation at high loadings, *International Journal of Energy Research*, 2022; 46(3): 2904-2922.
11. S Satpathy, JP Soren, KC Mondal, S Srivastava, C Pradhan, H.N. Thatoi, SL Sahoo, Industrially relevant pectinase production from *Aspergillus parvisclerotigenus* KX928754 using apple pomace as the promising substrate, *Journal of Taibah University for Science*, 2021; 15(1): 347-356.
12. D Mitra, M Paul, HN Thatoi, PKD Mohapatra, Study of potentiality of dexamethasone and its derivatives against Covid-19. *Journal of Biomolecular Structure and Dynamics*, 2021: 1-11.
13. BC Behera, BK Sethi, S Mohapatra, HN Thatoi, RR Mishra, Bio-production of alkaline protease by *Trichoderma longibrachiatum* and *Penicillium rubidurum* using different agro-industrial products, *Novel Research in Microbiology Journal* (2021), 5(3): 1241-1255.
14. Jyoti Prakash Dash, Lopamudra Mani & Sukanta Kumar Nayak Antibacterial activity of *Blumea axillaris* synthesized selenium nanoparticles against multidrug resistant pathogens of aquatic origin, *Egyptian Journal of Basic and Applied Sciences*, 2022, 9:1, 65-76, DOI: 10.1080/2314808X.2021.2019949

15. Soumya R. Padhy, Pratap Bhattacharyya, Pradeep K. Dash, Sukanta K. Nayak, Mirza J. Baig, Padmini Swain & Trilochan Mohapatra. Soil Metagenome Revealed Contrasting Anammox Bacterial Diversity in Coastal Mangrove and Rice Ecology, *Geomicrobiology Journal*, 2022, DOI: 10.1080/01490451.2022.2062494.
16. S. K. Nayak, P. K. Nanda & P. Swain In vivo immunostimulatory effect of the amoebocyte lysate and plasma of Asian horseshoe crab, *Tachypleus gigas* in a piscine model. *Marine Life Science & Technology*. 2021,1-8.
17. Nayak, S.K., Jahan, N. and Pattnaik, S., Effect of parenteral endotoxin administration on the immuno-haematological responses of catfish, *Heteropneustes fossilis*. *Fish and Shellfish Immunology Reports*, 2021.2, p.100022.
18. A. Nath, S. K. Nayak, M. Behera & Lopamudra M. Assessment of immune responses in Indian major carp, *Labeo rohita* against multiple antigenic components of three bacterial fish pathogens; *Aeromonas hydrophila*, *Pseudomonas aeruginosa* and *Staphylococcus aureus*. *Aquaculture Research*. 2021, 52(7), 3449-3459.
19. Behuria, H.G., Arumugam, G.S., Pal, C.K., Jena, A.K., Sahu, S.K., Lipid flip-flop-inducing antimicrobial phytochemicals from *Gymnema sylvestre* are bacterial membrane permeability enhancers, *ACS Omega*, 2021, (6), 35667–35678, doi: 10.1021/acsomega.1c05581,
20. Behuria H.G., Dash S. and Sahu, S.K., Phospholipid scramblases: role in cancer progression and anticancer therapeutics, *Front. Genet.* 2022, 13:875894.doi: 10.3389/fgene.2022.875894,
21. Bijayananda Sahoo, Satyabrata Dash, Sabyasachy Parida, Jayanta Kumar Sahu, Biswajit Rath “Antimicrobial activity of the lichens *Parmotrema andium* and *Dirinaria applanata*” *Journal of Applied Biology & Biotechnology* 2021, 9(4), 93-97, DOI: 10.7324/JABB.2019.70103 UGC-CARE LIST-II
22. S. Parida, S. Dash, and **B. Rath** “In vitro antimicrobial and antioxidant activities of certain brackish water cyanobacteria from Chilika Lake, India” *Vegetos(Springer)*, 2022, 35(1), 38-50.
23. Satyabrata Dash, Sabyasachy Parida, Bijayananda Sahoo and **Biswajit Rath** “Potential antimicrobial activity of cyanobacteria *Oscillatoria boryana* and *Oscillatoria pseudogeminata* isolated from Odisha coast, India” *Bioscience Biotechnology Research Asia*, 2022,19(1),173-181.
24. Bijayananda Sahoo, Satyabrata Dash, Sabyasachy Parida, Shubham Pradhan and **Biswajit Rath**. In vitro antioxidant activities of lichen species *Dirinaria applanata* and *Parmotrema andium* collected from Similipal Biosphere Reserve, India” *Bioscience Biotechnology Research Communication*, 2022,15(1),223-227.
25. **Dhangadamajhi G***, S Mishra, P Mukherjee. Association of ApoE isoforms with COVID-19 outcomes: a world-wide epidemiological study. *Human cell*, 2021
26. A Das, M Patra, **Dhangadamajhi G***. Association of rs11549465 (C1772T) variant of hypoxia-inducible factor-1 α with Covid-19 susceptibility. A population-based epidemiological study. *Human Cell*, 2021
27. **Dhangadamajhi G*** Singh S. Malaria link of hypertension: a hidden syndicate of angiotensin II, bradykinin and sphingosine 1-phosphate. *Human Cell* 2021; 34, 734– 744.

28. **Dhangadamajhi G** Rout R. Association of TLR3 functional variant (rs3775291) with COVID-19 susceptibility and death: a population-scale study. *Human Cell* 2021; 34, 1025– 10271.
29. Gouda K, Das U and **Dhangadamajhi G**. Utility of Fine Needle Aspiration Cytology (FNAC) in the diagnosis of tuberculous lymphadenitis compared to GeneXpert in a tertiary health care centre in Northern Odisha, India. *Indian J Tuberculosis*, 2021, 437-444.

(B) Books

1. Indigenous Tribes and Biodiversity Conservation, editor: H.N. Thatoi, M. Sahoo, SSDN publication, New Delhi, 2021
2. Bioprospecting of enzyme in Industry, Health care and Sustainable Environment, Springer Nature, editor: H.N. Thatoi, S. Mohapatra, S.K. Dash, 2021

(C) Book Chapters

1. H. G. Behuria, G. Panda and **S. K. Sahu**, Evaluation of Antimicrobial Potential of *Nyctanthes arbor-tristis* Leaf Extracts, Biodiversity Conservation and Livelihood Management, **ISBN 978-93-90435-13-5**, Daya Publishing House® A Division of Astral International Pvt. Ltd., New Delhi – 110 002, 2021, Chapter 20, pp: 245-253
2. Satyabrata Dash, Sabyasachy Parida, Bijayananda Sahoo and **Biswaji Rath** (2021). “The promising future of microalgae as biofuels and valuable bioproducts” “Micro-algae: Next-generation feedstock for biorefineries” ed: Dr. Pradeep Verma, published by *Springer* (in press)
3. RK Mohapatra, R Pattaink, BK Bindhani, HN Thatoi, PK Padhi, Bioremediation of arsenic-contaminated environment using bacteria: an update, *Bioresource utilization and management*. 2021: pp. 405-428.
4. C Acharya, AK Samantara, A Sasmal, C Panda, HN Thatoi, Biochar: An advanced remedy for environmental management and water treatment, *Bioresource utilization and management* (2021).
5. SS Mishra, S Mohapatra, HN Thatoi, Monitoring innovations in biofuel production from lignocellulosic biomass: a patent-based approach. *Bioresource utilization and management* (2021).

(D) Conference papers

1. Dr. B. Rath Evaluation of antimicrobial and phytochemical potential of Lichens collected from Similipal Biosphere Reserve, India, Odisha”. National Seminar on “Overcoming the Challenges: Role of Science & Technology”, 22nd Odisha Bigyan “o” Paribesh Congress, Ravenshaw University, Cuttack.

2. Assessment of heavy and radioactive metals for risk of chronic kidney disease in Odisha, India. Gunanidhi Dhangdamajhi, Cuckoo Mahapatra, and Raghunath Acharya. DAE-BRNS theme meeting on strategic planning for enhancing research reactor utilization (RRU-2022), May 6-7, 2022 at BARC, Mumbai

Conference/Seminar/Workshop/Symposia Participated and Presented:

- S.K. Sahu, Artificial lipid membranes: Perspectives and Prospects, National Seminar, Little Flower College, Guruvayoor, Puthenpally, Thrissur, Kerala, 7-1-2022.(Resource person)
- S.K. Sahu (Invited speaker), Biomimetic Membranes in Bio-science Research, National Seminar on Animal sciences Research for sustainable development, P.G. Department of Zoology, MSCBU in association with ZSO, 29-30 March 2022
- Dr. B. Rath Evaluation of antimicrobial and phytochemical potential of Lichens collected from Similipal Biosphere Reserve, India, Odisha”. National Seminar on “Overcoming the Challenges: Role of Science & Technology”, 22nd Odisha Bigyan “o” Paribesh Congress, Ravenshaw University, Cuttack.

Assessment of heavy and radioactive metals for risk of chronic kidney disease in Odisha, India. Gunanidhi Dhangdamajhi, Cuckoo Mahapatra, and Raghunath Acharya. DAE-BRNS theme meeting on strategic planning for enhancing research reactor utilization (RRU-2022), May 6-7, 2022 at BARC, Mumbai.

Seminar/Conference organized:

10 days' workshop on Phylogeny, Homology Modeling & Molecular Docking organised by Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Odisha, 757003

Patent Granted

Method for isolating bioactive fraction from mangrove plant *Bruguieraacxangula*. L Samanta, SK Das, HN Thatoi, Australian government, 17.11.2021. Patent number: 2021106724

Faculty Development Programme Attended: Nil

Research Activity (Guidance)

A. Ph.D.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/ Awarded)
1	Sushrirekha Das	Isolation and characterization of probiotic lactic acid bacteria and evaluation of their nutritional potential for iron and folic acid utilization using animal model system	S.K. Sahu (Co-guide)	Awarded

2	Ranjan Mohapatra	Bioprospecting of marine bacteria for detoxification of heavy metals	H.N.Thatoi	Awarded
3	Sonali Mohapatra	Optimisation of bioethanol production from two <i>Pennisetum</i> Sp. As lignocellulogenic biomass	H.N.Thatoi	Awarded
4	Sonali Satpathy	A study on production of pectinase from <i>Aspergillus</i> species using agrowaste residues	H.N.Thatoi	Awarded

Project

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
1	Synthesis of Novel Therapeutic Phyto-conjugates against Multi-drug Resistant <i>S. aureus</i> from flippase inducing Phytochemicals of <i>Gymnema Sylvestre</i> and natural anti- <i>S. aureus</i> prodrugs”	S & T Department, Govt. of Odisha	9,96,000	3 years	PI(S.K. Sahu)
2	Study on Diversity of Lichens in Similipal Biosphere Reserve and Evaluation of their antimicrobial and antioxidant activity for pharmaceutical applications	S & T Department, Govt. of Odisha	9,96,000	3 years	PI(B. Rath)

DEPARTMENT OF BOTANY

The Post-Graduate Department of Botany of Maharaja Sriram Chandra Bhanjadeso 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 perspective. The department is also assisted by DST-FIST during 2009-10.

Research Publication:

A. Journal

- S. Mohapatra, J. Mohanty, S. Pani, S. Hansdah, A.K. Biswal, A.K. Sahoo & P.R. Debata. Root extract of *Plumbago zeylanica* L. induces cytotoxicity, inhibits cell migration and induces S-phase cell cycle arrest through downregulation of EGFR in Hela cervical cancer cells. *Advances in Cancer Biology-Metastasis*, Volume 4, 2022, 100027.
- S.C. Sahu, M.R. Mohanta & J. Kumar. Quantitative estimation of reclamation status of a dry secondary forest using "measure of climax": A novel approach. *Ecological Engineering*, 180, 2022, 106660.
- M.R. Mohanta, Y. Rout, B. Pradhan, D. Bhoi, P.K. Chand & S.C. Sahu. Anthropogenic interventions regulate forest structure and carbon stock in transitional dry forests of Similipal Biosphere Reserve, India. *Ecoscience*, 29(3), 2022. DOI: <https://doi.org/10.1080/11956860.2022.2030130>.
- S.C. Sahu, M.R. Mohanta & N.H. Ravindranath. Population status of *Heritiera fomes* Buch.-Ham., a threatened species from Mahanadi Mangrove Wetland, India. *Journal of Threatened Taxa*, 13(12): 19791–19798, 2021.
- M.R. Mohanta, S. Sahoo & S.C. Sahu. Variation in structural diversity and regeneration potential of tree species in different tropical forest types of Similipal Biosphere Reserve, Eastern India. *Acta Ecologica Sinica*, 41 (6): 597-610, 2021.
- D. Rout, M.R. Mohanta & S.C. Sahu. Floristic diversity of climbing plants in tropical forests of Similipal Biosphere Reserve, Odisha, India. *Notulae Scientia Biologicae*, 14(1), 2022. DOI: <https://doi.org/10.15835/nsb14111003>
- S. Pattnayak, R.K. Behera, S.C. Sahu & N.K. Dhal. Assessment of woody plant species composition in secondary deciduous forests of Odisha, India. *Environment Conservation Journal*, 22(3), 2021. <https://doi.org/10.36953/ECJ.2021.22338>
- B.P. Hansdah & S.L. Sahoo. Callus induction and biochemical analysis of *Gymnema sylvestre* R.Br. *Scientific Research in Science, Engineering and Technology*, 8(2): 465-474.

Conference/Seminar/Workshop/Symposia Participated and Presented:

Dr. K.L. Barik

- Participated in the International Multidisciplinary Webinar on “Climate change impact on Agriculture, Environment and Sustainable Development” and presented a paper titled “Need for Eco-friendly Environment” organised by International Academy of Science and Research (IASR), Kolkata, Gurukul Edutech Education & Research Foundation, Kolkata and Scientific and Environmental Research Institute (SERI), Kolkata during 11-13 February 2022.
- Participated in the DAE-BRNS Outreach Theme Meeting on “Societal Applications of Nuclear Science and Technology” during March 25-27, 2022 at MSCB University, Baripada.
- Participated in the International Webinar on “Ways to save planet earth” organised by International Academy of Science and Research (IASR), Kolkata, Govt. Degree College Doda, Jammu & Kashmir and Scientific and Environmental Research Institute (SERI), Kolkata during 22-23 April 2022.

Dr. S.C. Sahu

- Participated in the National Seminar on “Similipal: Communities, Biodiversity and Conservation” and presented a paper titled “Phenological complexity affects species regeneration in tropical forests: A case of *Terminalia tomentosa* (Roxb.) Wight & Arn. in Similipal Biosphere Reserve, India” during 20-21 December 2021 organised by Centre for Similipal Studies, MSCB University, Baripada.
- Participated in the DAE-BRNS Outreach Theme Meeting on “Societal Applications of Nuclear Science and Technology” during March 25-27, 2022 at MSCB University, Baripada.
- Participated in the National Seminar (Virtual mode) on “Invasive species: An Undesirable guest to the natural ecosystem” organised by Botanical Survey of India, Kolkata on 30th March 2022.
- Participated in the National Webinar on “Traditional Knowledge and Ethnobotany” organised by Botanical Survey of India, Kolkata on 20th April 2022.
- Participated in the Workshop on “Plant Taxonomy: Classical to Molecular” organised by Mansarovar Global University, Bhopal during 29th November-4th December, 2021.

Dr. B.P. Hansdah

- Participated in the International Conference on “Bioresources of our environment: Utilisation and Conservation” and presented a paper titled “In-vitro propagation and conservation of an endangered species *Gloriosa superba* L. found in Similipal Biosphere Reserve” organised by Department of Botany, School of Applied Sciences, Centurion University of Technology and Management during 28-30 March 2022.

Research Activity (Guidance)

A. Ph.D.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted / Awarded)
1	Manas Ranjan Mohanta	Phenology of tree species in tropical forests of Similipal Biosphere Reserve, Odisha, India	Dr. S.C. Sahu	Submitted

B. M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted / Awarded)
1	Trupti Khamari	Diversity and economic potential of wild edible fruits of Soro block, Balasore	Prof. A.K. Biswal	Awarded
2	Lopamudra Sahoo	Qualitative analysis and pharmaceutical value of <i>Tinospora cordifolia</i> (Willd.) Hook.f. & Thoms.	Prof. A.K. Biswal	Awarded
3	Bikram Keshari	Floristic composition of a grassland community of Janakpur village in the	Dr. K.L. Barik	Awarded

	Mohapatra	district of Mayurbhanj, Odisha		
4	Jasmin Majhi	Biochemical analysis of dry Mahua flower (<i>Madhuca longifolia</i> L.)	Dr.(Mrs.) B.P. Hansdah	Awarded
5	Gour Chandra Samal	Effect of forest fire on tree diversity, regeneration potential, biomass and soil properties in tropical dry deciduous forests of Similipal Biosphere Reserve, Odisha, India	Dr. S.C. Sahu	Awarded

Project

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
1	Tree species composition and carbon stocks assessment in different forest types of Similipal Biosphere Reserve, Odisha (India)	Science & Technology Department, Govt. of Odisha	7.26 Lakh	2018-2022	Dr. S.C. Sahu (PI)

Award/Felicitation Received:

Dr. K.L. Barik

- Netaji Subhas Chandra Bose Excellence Award-2022 presented on 23rd January 2022 on the eve of 125th birth anniversary of Netaji Subhas Chandra Bose organised by World Achievers Foundation, Kolkata.
- Dr. Sarvepalli Radhakrishnan Education Excellence Award-2021 presented at Higher Education and Research Summit-2021 on 5th September 2021 organised by International Benevolent Research Foundation, Kolkata.

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 State SSB Exams of Lectureship 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 sophisticated instruments like atomic absorption spectrophotometer, fluorescence spectrophotometer and zeta size analyser.

Research Publication:

1. Tapan Kumar Behera, Priyanka Behera and Pramoda Kumar Satapathy, Priyabrata Mahapatra, A Brief Overview of Facial Synthesis and Challenging Properties of Graphene Nanocomposites: State of The Art, Asian J. of Chemistry, 2022, 34, 7 (2022), 1603.
2. Mateusz Zawadzki, Murtadha A. Khakoo, Ahmad Sakaamini, Logan Voorneman, Luka Ratkovich, Zdenek Masin, Amar Dora, Russ Laher and Jonathan Tennyson, "Low Energy Inelastic Electron Scattering from Carbon Monoxide: II. Excitation of the $b\ 3\ \Sigma^+$, $j\ 3\ \Sigma^+$, $B\ 1\ \Sigma^+$, $C\ 1\ \Sigma^+$ and $E\ 1\ \Pi$ Rydberg Electronic States", J. Phys. B: At. Mol. Opt. Phys. 55 (2022) 025201; (published on 10/02/2022)
3. Dibya Das, Ashis Kumar Jena,* Chandan Kumar Pal, Laurens Bourda, Kristof Van Hecke, CuI Nanoparticles-Catalyzed Regioselective Synthesis of 3-Nitro-2-arylimidazo[1,2-a]pyridines using Oxygen as Oxidant, Asian J. Org. Chem, 2022, 11, e2021007- e2021011
4. Himadri Gourav Behuria, Gandarvakottai Senthilkumar Arumugam, Chandan Kumar Pal, Ashis Kumar Jena, and Santosh Kumar Sahu*, Lipid Flip-Flop-Inducing Antimicrobial Phytochemicals from *Gymnemasylvestre* are Bacterial Membrane Permeability Enhancers, ACS Omega, 2021, 6, 35667-35678.
5. Chandan Kumar Pal, Ashis Kumar Jena,*Dibya Das, SwagatikaSahu,** Rajesh Kumar Singh, Triethanolamine-Mediated Magnetically Separable Fe_3O_4 -Pd Nanoparticles Catalyzed Heck Reaction under Ligand-Free Conditions, ChemistrySelect, 2021, 6, 7944-7949.

Conference/Seminar/Workshop/Symposia Participated and Presented:

Prof. P. K. Satapathy

1. 35th Annual Conference of Orissa Chemical Society (OCS) and National Seminar on Frontiers of Chemical Sciences 'FCS-2021' Organised by the Department of Chemistry, Maharaja Sriram Chandra Bhanja Deo University, Baripada held on December 18-19, 2021.
2. Participated in the DAE-BRNS Outreach Theme Meeting on 'Societal Applications of Nuclear Science and Technology' (SANST-2022) held on 25-27th Mar. 2022, jointly organized by BARC, Mumbai and MSCB University, Baripada.

Dr. R. K. Singh

1. 34th Annual Conference of Orissa Chemical Society (OCS) and National Seminar on Frontiers of Chemical Sciences 'FCS-2021' Organised by the Department of Chemistry, Maharaja Sriram Chandra Bhanja Deo University, Baripada held on December 18-19, 2021.
2. Participated in the DAE-BRNS Outreach Theme Meeting on 'Societal Applications of Nuclear Science and Technology' (SANST-2022) held on 25-27th Mar. 2022, jointly organized by BARC, Mumbai and MSCB University, Baripada.

Dr. L. Behera

1. 34th Annual Conference of Orissa Chemical Society (OCS) and National Seminar on Frontiers of Chemical Sciences 'FCS-2021' Organised by the Department of Chemistry, Maharaja Sriram Chandra Bhanja Deo University, Baripada held on December 18-19, 2021.
2. Participated in the DAE-BRNS Outreach Theme Meeting on 'Societal Applications of Nuclear Science and Technology' (SANST-2022) held on 25-27th Mar. 2022, jointly organized by BARC, Mumbai and MSCB University, Baripada.

Dr. A. K. Dora

1. 34th Annual Conference of Orissa Chemical Society (OCS) and National Seminar on Frontiers of Chemical Sciences 'FCS-2021' Organised by the Department of Chemistry, Maharaja Sriram Chandra Bhanja Deo University, Baripada held on December 18-19, 2021.
2. Participated in the DAE-BRNS Outreach Theme Meeting on 'Societal Applications of Nuclear Science and Technology' (SANST-2022) held on 25-27th Mar. 2022, jointly organized by BARC, Mumbai and MSCB University, Baripada.

Dr. A. K. Jena

1. 34th Annual Conference of Orissa Chemical Society (OCS) and National Seminar on Frontiers of Chemical Sciences 'FCS-2021' Organised by the Department of Chemistry, Maharaja Sriram Chandra Bhanja Deo University, Baripada held on December 18-19, 2021.
2. Participated in the IP Awareness/Training program under National Intellectual Property Awareness Mission (NIPAM) held on 28th May. 2022, organized by Intellectual Property Office, India
3. Ashis Kumar Jena, Development of Imidazo[1,2-*a*]pyridine based Radiopharmaceuticals, Poster Presentation and Participation in the DAE-BRNS Theme Meeting on 'Strategic Planning for Enhanced Research Reactor Utilization (RRU-2022)' held on 6-7th May. 2022, organized by Bhava Atomic Research Centre, Mumbai. (Nominated by Vice-Chancellor, MSCB University)
4. Participated in the DAE-BRNS Outreach Theme Meeting on 'Societal Applications of Nuclear Science and Technology' (SANST-2022) held on 25-27th Mar. 2022, jointly organized by BARC, Mumbai and MSCB University, Baripada.
5. Participated in the one day "Intellectual Property Rights Awareness Program" on 27th Jan. 2022 organized by Department of Chemistry, JECRC University, Rajasthan in Association with NIPAM under Azadi Ka Amrit Mahotsav special initiative program by Govt. of India.

6. Participated in the 1st International conference on “Emerging Porous Materials” on 29th July-30th July 2021, organized by NISER Bhubaneswar and IIT Jammu.
7. Participated in the one day online national webinar on “Implementation of Academic Bank of Credits” on 10th July 2021 organized by GAD-TLC, SGTB Khalsa College, University of Delhi.
8. Participated in the International Webinar-III, 2021 on “PEM Fuel Cells for electric vehicles and Heterogeneous Catalyst design for desulfurization targeting clean environment” on 20th June 2021 organized by The American College, Tamilnadu, India.
9. Presented the Invited Lecture on the topic ‘Transition Metal Nanoparticles Catalyzed C-C, C-N Bond Forming Reactions: Stereo- and Regio-Selective Synthesis of Bioactive Scaffolds’ in the Distinguished On-line Lecture Series on Prospects of Nanomaterials held on 15-18th Mar. 2022 organized by KISS University, Odisha

Faculty Development Programme Attended:

Dr. A. K. Dora

1. Attended the Annual Refresher Programme in Teaching (ARPIT) Course “Introduction to Quantum Physics and Its Applications” offered by Department of Physics of IIT Bombay.

Dr. A. Jena

1. Successfully completed the Faculty Development Programme on the subject “Research Methodology and Project Writing”, conducted by Rama Devi Women’s Odisha from 7th July 2021 to 11th July 2021.

Research Activity (Guidance)

M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/ Awarded)
1	Biswajit Jena	A review on Synthesis, characterization of Graphene-Iron oxide nano composite and its photocatalytic application for environment sustainability	Prof. P. K. Satapathy	Submitted
2	Mohan Marndi	Supported Metal nanoparticles as Heterogeneous Catalysts for transformation of Biomass derived Platform chemicals	Dr R K Singh	Submitted
3	Jyotiranjana	Organic Synthesis using	A.K. Jena	Submitted

	Jena	Heterogeneous catalyst		
4	Harish Chandra Jena	Air and water pollution in the industrial areas of Korba District in Chhatisgarh	Dr. A K Dora	Submitted

DEPARTMENT OF COMPUTER APPLICATION

Dept. of Computer Application had a humble beginning in 2004 as an self financing Department and received regular status Department of the university in 2012. The department has its own dedicated building and infrastructures. The department strives to achieve excellence in teaching-learning, research and extension activities with emphasis on innovations. Over a foundation of core values – quality, high academic standards and integrity- the department has progressed in a sustained manner.

Research Publication:

Journals

1. Bhagyashree Patra, NilimaPriyadarshinee, Achyutananda Nayak, Hima Bindu Maringanti, “Odia Music Genre Classification using Machine Learning”, Volume II, QUEST Journal of Science -2021.
2. Behera A.K, HimabinduM,”Object Oriented Software Visualization Tool and its Comparision”, JETIR, ISSN: 2349 5162, Vol. 8 Issue 11, Nov (2021) PP 338 - 345. (Indexed in UGC No-63975). IF= 7.95
3. KshyamasagarMohanta, Hima Bindu Maringanti, “ Data Hiding with Security Improvement using Chaos Cryptography algorithm “, pp. 288-294, vol.26, Special issue(part-8) 2022 , UGC Care Approved Journal, ISSN: 0972-3641
4. Lakshmanarao K, Hima Bindu Maringanti, “Symptom based COVID-19 Recommendation System using Machine Learning Technique”, International Journal of Intelligent Decision Technologies, July 2021. IF = 1.235
5. K. C. Nayak, J. K. Mantri, M Pattnaik,“Heuristics for the multi-{product, period, effort} milk supply chain network design (MSCND): a case analysis”,OPSEARCH (Springer), (Accepted)
6. S. Dash, C. S. Dash, C. Chakraborty, S. K. Giri, S. K. Pani, “Intelligent Computing on Time-Series Data Analysis and Prediction of Covid-19 Pandemics”, Pattern Recognition Letters, Elsevier, vol.151, pp.69-75, 2021, doi.org/10.1016/j.patrec.2021.07.027
7. S. Dash, C. Chakraborty, S. K. Giri, S. K. Pani, J. Frnda, “BIFM: Big-Data Driven Intelligent Forecasting Model for COVID-19”, in IEEE Access, vol.9, pp. 97505-97517, 2021, doi:10.1109/ACCESS.2021.3094658.
8. Ibrahim, N.M., Gabr, D.G.I., Rahman, Au., Dash, S. et al. A deep learning approach to intelligent fruit identification and family classification. Multimedia Tools Application (2022). <https://doi.org/10.1007/s11042-022-12942-9>, Springer, ISSN: 13807501, 14321882, Impact Factor: 2.60.

9. S. Dash et al., A Review on Machine Learning Approaches in Identification of Paediatric Epilepsy, SN Computer Science Journal, 2022, Springer, ISSN: 2661-8907, ACM Digital Library, Google Scholar.
10. S. Biswas, S. Dash, LSTM-CNN Deep learning-based hybrid system for real time covid-19 data analysis and prediction using twitter data, 2021. In- S. Pani, S. Dash, Wellington dos Santos, S. A. Chan Bukhari, F. Flammini, 2021, Assessing covid-19 and other pandemics and epidemics using computational modelling and data analysis, Springer.
11. S. Dash, Early detection of imbalanced Parkinson disease using adaptive machine learning techniques: A Review. In- A. Abraham, S. Dash, S. Pani, Laura G-H. (2021): AI for neurological disease, Elsevier. Scopus.
12. R. Singh, S. Dash, Early Detection of imbalanced Alzheimer Disease using adaptive machine learning techniques: A review. In- A. Abraham, S. Dash, S. Pani, Laura G-H. (2021): AI for neurological disease, Elsevier. Scopus
13. A. Rahman, S. Dash, Ahmad M., Iqbal T. (2021), Mobile Cloud Computing: A Green perspective, In: Udgata S. K., Sethi S., Sriram S. N. (eds), Intelligent Notes in Networks and Systems, vol.185, pp:523-533, Springer, Singapore. <http://doi.org/10.1007/978-981-33-6081-5-46>.
14. S. Bissoyi and M. R. Patra, “Discovering Influential Patients in a Patient Centric Social Network,” Informatics for Health and Social Care. (*Communicated*)

Book Chapters

1. Biswamitra Rana, Hima Bindu Maringanti, “Frequency Analysis of Human Brain Response to Sudarshan Kriya Meditation”, Data Science in Engineering and Management Applications, New Developments and Future Trends, CRC Press, Taylor & Francis, April 22nd 2021. BC
2. Bishwa Ranjan Das, Hima Bindu Maringanti, Niladri Sekhar Dash, “Application of Expectation-Maximization Algorithm to Solve Lexical Divergence in Bangla-Odia Machine Translation”, accepted in the 2nd International conference on Biologically Inspired Techniques in Many-Criteria Decision Making(BITMDM 2021), 20-21, Dec 2021, F.M. University, Balasore, India. ISBN: 978-981-16-8738-9, Springer BC
3. Hima Bindu Maringanti, MeenakhiSahu, “Cognitive Learning”, book entitled Disruptive Teaching Learning Strategies for Modern Learners, Bharathiar University, 2021. BC
4. Hima Bindu Maringanti, Minati Mishra, Subhransu Pradhan, “ Machine Learning and Deep Learning Models for Early-stage Detection of Alzheimer Disease and its Proliferation in Human Brain”, Artificial Intelligence for Neurological Disorders, Elsevier Publishing, April 2022. BC
5. R. Mishra, J.K.Mantri(2022),“A Novel Enhancement of Vigenere Cipher Using Message Digest”, Advances in Electrical and Computer Technologies, (Springer),ISBN: 978-981-19-1111-8,DOI: 10.1007/978-981-19-1111-8_9,pp 91-101

6. P.Sahoo, J.K.Mantri, (2022) “ The Impact of Managerial Approach to Untreated Type -2 Diabetes using AI Techniques” IEEE Xplore,ISBN:978-1-6654-2041-9,DOI: 10.1109/ICCICA52458.2021.9697120, pp 333-338
7. K. Singh, J.K.Mantri,VKakulapati, S Sharma, S Patra,C.Mishra, N Kumar (2021), “Analysis and Validation of Risk Prediction by Stochastic Gradient Boosting Along with Recursive Feature Elimination for COVID-19”, Applications of Artificial Intelligence in Covid-19, (Springer),ISBN:978-981-15-7317-0. pp 307-323
8. K. Singh, S.S.Patra, S. Samantaray, S. Jena, J.K. Mantri, C.Misra (2021), “Automatic Sleep EEG Classification with Ensemble Learning using Graph Modularity”, Biomedical Signal Processing for Healthcare Applications, (Taylor & Francis), DOI: 10.1201/9781003147817-1,pp1-24 .
9. J.K Mantri, R. Mishra, and P.K Swain,(2021) “An Encryption Scheme: ECC and Arnold’s Transformation”, Strategies for e-Service, e-Governance, and Cyber Security: Challenges and Solutions for Efficiency and Sustainability (Taylor and Francis), ISBN : 978-1-77188-970-4. pp 99-116
10. Swain, P. K., & Panda, P. K. (2022). IoT System with Heterogeneous Servers: Steady-State Solution and Performance Evaluation. *The Role of IoT and Blockchain: Techniques and Applications*, 135-144.
11. Mantri, J. K., Mishra, N., & Swain, P. K. (2021). An Encryption Scheme: ECC and Arnold's Transformation. In *Strategies for E-Service, E-Governance, and Cybersecurity* (pp. 99-116). Apple Academic Press.
12. A. Rahman, S. Dash, Ahmad M., Iqbal T. (2021), Mobile Cloud Computing: A Green perspective, In: Udgata S. K., Sethi S., Sriram S. N. (eds), Intelligent Notes in Networks and Systems, vol.185, pp:523-533, Springer, Singapore. <http://doi.org/10.1007/978-981-33-6081-5-46>.
13. K. Rupbanta Singh, Sujata Dash, B. Deka, S. Biswas, (2021), Mobile Technology Solution for COVID-19. In Fadi Al-Turjaman et al., (Eds), Emerging Technologies for battling COVID-19 applications and innovations, Springer, pp:271-294 ISBN: 978-030-60038-9, 2021
14. S. Dash, Rupbant, S. Giri, (2022), Farm Automation. In A. Abraham et al., (Eds), AI, Edge, and IoT based Agriculture, pp.265-283, ISBN: 978-0-12-823694-9, 2022, Elsevier.
15. S. Biswas, S. Dash, B. Deka, (2022), IoT based Fuzzy logic controlled novel and multilingual mobile application for hydroponic farming. In A. Abraham et al., (Eds), AI, Edge, and IoT based Agriculture, pp. 31-41, ISBN: 978-0-12-823694-9, 2022, Elsevier.
16. B. Acharya, k.Garikapati, A. Yarlagaadda, S. Dash, (2022), Internet of Things (IoT) and data analytics in smart agriculture: benefits and challenges. In A. Abraham et al., (Eds), AI, Edge, and IoT based Agriculture, pp.3-14, ISBN: 978-0-12-823694-9, 2022, Elsevier.

Conference/Seminar/Workshop/Symposia Participated and Presented:

1. Sujata Panda, Hima Bindu Maringanti, “ Analysis and Classification of Biomedical Data using Machine Learning Techniques”, ICTA 2020, pp 107-118, CCIS, Volume 1350, Springer, February 2021.BC
2. Bishwa Ranjan Das, Hima Bindu Maringanti, Niladri Sekhar Dash, “Role of Artificial Intelligence in Preservation of Culture and Heritage”, accepted in the International Conference on Digitalization and Revitalization of Cultural Heritage through Information Technology(ICDRCT 2021), on 23-24 Nov, 2021, School of Humanities, KIIT University, Bhubaneswar, India.
3. Bishwa Ranjan Das, Hima Bindu Maringanti, Niladri Sekhar Dash, “Application of Expectation-Maximization Algorithm to Solve Lexical Divergence in Bangla-Odia Machine Translation”, accepted in the 2nd International conference on Biologically Inspired Techniques in Many-Criteria Decision Making(BITMDM 2021), 20-21, Dec 2021, F.M. University, Balasore, India. ISBN: 978-981-16-8738-9, Springer BC
4. Hima Bindu Maringanti, MeenakhiSahu, “Cognitive Computational Modeling”, Tutorial/Workshop accepted during 2nd International conference on Biologically Inspired Techniques in Many-Criteria Decision Making(BITMDM 2021),on 20-21, Dec 2021, F.M. University, Balasore, India.
5. Hima Bindu Maringanti, “Pondering into Rhythm and its manifestation for Human Wellbeing”, RHYTHM 2021, Invited Speaker, IIT, Kharagpur, SCOPUS indexed, <https://www.springer.com/series/8767>.
6. Shweta Bharadwaj, Praveen Kumar, Hima Bindu Maringanti, “Intrusion Detection in Internet of Things using Machine Learning Classifiers”, International Conference on Tools with Artificial Intelligence (ICTAI 2021), IEEE Computer Society
7. Bishwa Ranjan Das, Hima Bindu Maringanti, Niladri Sekhar Dash, “ Experimental Evaluation of Expectation- Maximization Algorithm for Bangla-Odia Machine Translation”, IC3, 2022.
8. Kshyamasagar Mahanta, Hima Bindu Maringanti, “ A Survey on Different Intrusion Detection Techniques using Machine Learning”, IC3, 2022.
9. K. C. Nayak, J. K. Mantri, M Pattnaik, “Multi-Product-Period-Preservation Effort (MPPP) Milk Supply Chain Network Design (MSCND) Heuristic Model Under Trade Credits: Case Analysis On Profoundly Demanded Clusters Of Odisha” 8th International Conference on Business Analytics and Intelligence (ICBAI-21),Karnataka.
10. K. C. Nayak, J. K. Mantri, M Pattnaik, “A Survey On Machine Learning In Supply Chain Network Design (MLSCND)”, International Conference on recent trends in information technology (ICRIT 2021),Bangalore.
11. Madhumita Panda &Sujata Dash, An Enhanced JAYA Algorithm based Test Suite Generation for Object Oriented Programming: A Model Based Testing Approach”, 5th International Conference on Advanced Informatics for Computing Research, ICAICR-2021, Springer Conference, 18-19th December 2021, CCIS series (Communications in Computer and Information Science), ISSN Number-1865-0929, Gurugram, Haryana,
12. Sujata Dash et al., “Cloud based smart grids: Opportunities and Challenges”, 2nd International Conference on Biologically Inspired Techniques in Many-Criteria Decision

Making (BITMDM-2021), BITMDM-2021, Springer Conference, ISBN: 2190-3018, ISI, Scopus indexed.

13. Nayak, M. K., & Swain, P. K. (2022). ESIT: An Enhanced Lightweight Algorithm for Secure Internet of Things. In *IoT and Analytics for Sensor Networks* (pp. 107-116). Springer, Singapore.
14. Bal J, Rath MK, Swain PK. Plant Leaf Identification Using HOG and Random Forest Regressor. In *Smart Computing Techniques and Applications 2021* (pp. 515-525). Springer, Singapore.

Research Activity (Guidance)

C. Ph.D.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/ Awarded)
1	Ashok Kumar Behera	ANALYSIS THROUGH VISUALIZATION OF C++ CODES	Prof. M. Himabindu	Submitted
2	Rajalaxmi Mishra	Development of an Efficient Encryption Scheme –An Approach	Dr.J.K.Mantri	Submitted
3	Madhumita Panda	Optimized Test Data Generation for Object Oriented Software using Nature Inspired Algorithm	Dr. S. Dash	Awarded
4	Sitanath Biswas	Multilingual Named Entity Recognition for Indian Languages: Prioritizing Odiya	Dr. S. Dash	Awarded

D. M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/ Awarded)
1	Sushree Maneesha Priyadarshinee	Artificial Intelligence in Text Industry	Dr.J.K.Mantri	Submitted
2	SwayamPrava Behera	Indian Stock market predictions using machine learning techniques	Dr.J.K.Mantri	Submitted
3	Suchismita Jena	Comparison of Pattern Matching Techniques for DNA Sequence Using K-Mer	Dr. Prasanta Kumar Swain	Submitted

Project(continuing)

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
1	Plagiarism Detection Software for Odia Documents using Fuzzy-Neural network	DST, Odisha	10,000,00/-	3 yrs	Dr. S. Dash/Mr. S. Bissoyi

DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science of MSCBU started in the year 2016-17 with an intake of 30 M.Sc. 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

Research Publication:

A. Journal

Name of the authors, title, Journal, vol., page (year)

Sl. No.	Name of the Faculty	Title	Name of the Journal	Vol/Issue/Page/DOI/Year
1	Dr. J. Nayak	Extreme Learning Machine and Bayesian Optimization-driven Intelligent Framework for IoMT Cyber-attack detection	The Journal of Supercomputing Springer	2022, DOI: https://doi.org/10.1007/s11227-022-04453-z
2	Dr. J. Nayak	Correlation-based modified long short-term memory network approach for software defect prediction	Evolving System, Springer	2022, DOI: https://doi.org/10.1007/s12530-022-09423-7
3	Dr. J. Nayak	Multi-class Skin Disease Classification Using Transfer Learning Model	International Journal on Artificial Intelligence Tools, World Scientific	2022, Volume 31, No. 2, 2250029, https://doi.org/10.1142/S0218213022500294
4	Dr. J. Nayak	Central hubs prediction for Bio Networks by Directed Hypergraph-GA with validation to COVID-19 PPI	Pattern Recognition Letters, Elsevier	2022, Volume 153, Pages 246-253, https://doi.org/10.1016/j.patrec.2021.12.015
5	Dr. J. Nayak	Improving Facial Emotion	Mathematics,	10(3),

		Recognition Using ResidualAutoencoder Coupled Affinity Based Overlapping Reduction	MDPI	https://doi.org/10.3390/math10030406
6	Dr. J. Nayak	Directive Clustering Contrast based Multi-Modality Medical Image Fusion for Smart Healthcare System	Network Modeling Analysis in Health Informatics and Bioinformatics, Springer	Vol. 11, Issue. 15, https://doi.org/10.1007/s13721-021-00342-2
7	Dr. J. Nayak	A rough set theory and deep learning-based predictive system for gender recognition using audio speech	Soft Computing, Springer	2022, https://doi.org/10.1007/s00500-022-07074-z
8	Dr. J. Nayak	Deep Learning based Trend Analysis on Indian Stock Market in COVID-19 Pandemic Scenario and Forecasting Future Financial Drift	Journal of The Institution of Engineers (India): Series B, Springer, (In Press)	2022
9	Dr. J. Nayak	Prediction of Life Insurance Premium during Pre-and-Post Covid-19: A Higher Order Neural Network Approach	Journal of The Institution of Engineers (India): Series B, Springer, (In Press)	2022
10	Dr. J. Nayak	XGBoost regression model-based electricity tariff plan recommendation in smart grid environment	Int. J. Innovative Computing and Applications, INDERSCIENCE	Vol. 13, No. 2, 2022

Conference/Seminar/Workshop/Symposia Participated and Presented:

Sl. No.	Name of the Faculty	Title	Name of the Conference	Vol/Issue/DOI
1	Dr. J. Nayak	Customer Segmentation via Data Mining Techniques: State-of-the-Art Review	International Conference on Computational Intelligence in Data Mining (ICCIDM-2021), Smart Innovation, Systems and Technologies	Springer, Singapore, Vol 281, pp. 489-507, https://doi.org/10.1007/978-981-16-9447-9_38
2	Dr. J. Nayak	Big Data in Education: Present and Future	International Conference on Computational Intelligence in Data Mining (ICCIDM-2021), Smart Innovation, Systems and Technologies	Springer, Singapore, Vol 281, pp. 721-739, https://doi.org/10.1007/978-981-16-9447-9_54

3	Dr. J. Nayak	A Hybrid Semi-Supervised Learning with nature-inspired Optimization for Intrusion Detection System in IoT Environment	In 4 th International Conference on Computational Intelligence in Pattern Recognition, <i>Lecture Notes in Networks and Systems</i> (LNNS Series)	Springer, Singapore, Vol. 480, pp. 580-591.
4	Dr. J. Nayak	An Impact Study on Covid-19 with Sustainable Sports Tourism: Intelligent Solutions, Issues and Future Challenges	In 4 th International Conference on Computational Intelligence in Pattern Recognition, <i>Lecture Notes in Networks and Systems</i> (LNNS Series)	Springer, Singapore, Vol. 480, pp. 605-624.
5	Dr. J. Nayak	Technical Programme Committee Member	3 rd International Conference on Data Science and Applications (ICDSA-2022)	Jadavpur University, Kolkata, 26 th & 27 th March 2022

Achivement.

Sl. No.	Name of the Faculty	Achievements
1	Dr. Janmenjoy Nayak	Associate Editor position for the IEEE Access Journal
2	Dr. Sharmila Subudhi	Granted a German Utility Patent titled “Apparatus to Detect Fake Currency Using Intelligent Circuit and Image Processing” having Application No.: 202022102516, German Patent and Trademark Office, Germany

DEPARTMENT OF ECONOMICS

The Department of Economics, Maharaja Sriram Chandra Bhanjdeo University was established in the year 2004 with the objectives to impart quality teaching, undertake research works relevant to societal needs and to promote quality human resource keeping in view the requirement of the job market.

It functions in Academic Block -03 with three Associate Professors and one Assistant Professor. There are 77 students on roll, 37 in Sem-IV and 40 in Sem-II PG and six in MPhil programmes.

The syllabus has been framed as per choice -based credit system with a view to building the capacity of the students to compete at national and inter-national level. The department is following semester pattern

of examinations that comprises of internal assessment for 20 marks and semester examination for 80 marks.

The Department holds weekly seminar regularly on each Wednesday. Emphasis is placed on applied knowledge and therefore the students are encouraged to undertake field surveys to understand the intricacies of economic theory in a better way

Research Publication:

Dr. A.K Patra

A. Journal

1. Patra, A.K., &Sahu,S.P. (2021). An Exploratory Analysis of Public Health Care Expenditure in Odisha. *Orissa Journal of Commerce*. 42(2), 14-30
2. Panda, R.K. and A.K. Patra (2020) 'Fiscal Health of Odisha: A Journey from Crisis to Comfort', *Jharkhand Journal of Social Development*, Vol.12, No. 1&2, pp. 1-10, ISSN: 0974-651x

B. Book / Book Chapter

1. Panda, R.K. and A.K.Patra (2021) Public Expenditure and Economic Growth: *Relationship Revisited*, SSDN Publishers & Distributors, New Delhi, pp. 1-126, (ISBN: 978-93-8895-043-5)
2. Panda, S. and A.K.Patra (2021) State of Health Sector in India: *Outlay vis-à-vis Outcome*, Kunal Books (Publisher & Distributors), New Delhi, pp. 1-141, (ISBN: 978-81-953651-4-2)
3. Patra, A.K. (2022) 'A Synoptic Look on Gender Equality in India and Neighbouring Countries', in S.Patra&A.P.Nanda (ed.) *Development in South Asia: Issues and Challenges*, Navyug Books International, Delhi (ISBN: 978-81-952480-5-6), pp.149-163
4. Patra, A.K. (2021) 'Education in India with special Reference to Tribal Community of Odisha: An Overview', in H.N.Thatoie&M.Sahoo (ed.) *Indigenous Tribes and Biodiversity Conservation*, SSDN Publishers & Distributors, New Delhi (ISBN: 978-93-8895-035-0), pp.101-110

Dr. M. Mallick

A. Journal

1. Mohanty, S. and **Mallick, M.** (2021), "A Study of Sustainable Nutrition Security and Agricultural Production in Odisha", <https://iopscience.iop.org/article/10.1149/10701.13709ecst/meta>
2. Mohanty, S. and **Mallick, M.** (2021), "A Study of Sustainable Nutrition Security and Agricultural Production in Odisha", *SPASTabstracts*, Vol-1, No.1 <https://spast.org/techrep/article/view>
3. Mohanty, S. and **Mallick, M.** (2021), "A Study of Agricultural Production and Nutrition Security in Odisha",*Indian Journal of Agricultural Economics*, (Summary),Vol-76,No.3 Conference number, July-September,ISSN- 2582-7510,Pp 507

B. Book Chapter

1. **Mallick,M**Nayak, P.P.(2022), "Micro-finance, MSMEs and Sustainable Development" in Das, S.S. et al(ed), *Sustainability in 21st Century: The Changing Paradigm of Business Decisions*, Kunal Books, New Delhi , Pp 132- 148 ISBN: 978-93-89224-67-2

Dr. K.K. Sahu

A. Journal

1. **Sahu, K. K.** (2022), “COVID-19, MSME Sector and Policy Response in India”, *The Indian Economic Journal*, Special Issue, January 2022, pp-896-904
2. **Sahu, K. K.** and Mohanty, J.J. (2022), “Determining Factors to Participate in Micro Pension Scheme among Informal Sector Workers in Odisha”, *The Indian Economic Journal*, Special Issue, January 2022, pp-252-262
3. Tarai, S, **Sahu, K. K.** and Patra, S. (2021), “A Study on Destinations of FDI and Pattern of Utilisation in India”, *Vidyabharati International Interdisciplinary Research Journal*, pp.32-40
4. **Sahu, K. K.**, Patra, S., Tarai, S., Bhukta, A. and Tripathy, A. (2021), “A Study on Destinations of FDI and Pattern of Utilisation in India”, *Vidyabharati International Interdisciplinary Research Journal*, pp.52-65
5. **Sahu, K. K.**, (2021), “Education for Sustainable Development of Tribal Girls in Odisha”, *Indian Journal of Economics and Development (IJED)*, Vol. 9, pp.1- 12

B. Book Chapter

1. **Sahu, K.K.** (2022) ‘Impact of Banking Sector Development in South Asian Economy’, in S.Patra & A.P.Nanda (ed.) *Development in South Asia: Issues and Challenges*, Navyug Books International, Delhi (ISBN: 978-81-952480-5-6), pp.149-163
2. **Sahu, K.K.** (2021) ‘Tribal Livelihood in Mayurbhanj District of Odisha’, in H.N.Thatoie & M.Sahoo (ed.) *Indigenous Tribes and Biodiversity Conservation*, SSDN Publishers & Distributors, New Delhi (ISBN: 978-93-8895-035-0), pp.126-139
3. **Sahu, K.K.** (2021) ‘Problems and Prospects of Drinking Water in India’, in S.Patra (ed) *Social Sector in India: COVID – 19 Issues and Challenges*, Bharti Publications, New Delhi, (ISBN: 978-93-91681-02-9), pp-215-225

Dr.P.K.Jena

A. Journal

1. **Jena, P.K.** and Sahoo, R. L. (2022), “Nexus between Foreign Direct Investment and Manufacturing Output in India: An ARDL Approach”, *Journal of Economic Structure*, preprint, <https://doi.org/10.21203/rs.3.rs-1133600/v1>.
2. **Jena, P.K.** (2021), “Nexus between Climate Change and Agricultural Production in Odisha, India: An ARDL Approach”, *International journal of Environment, Agriculture & Biotechnology*, 6 (2), pp.136-144.
3. **Jena, P.K.** (2021), “Determinants of Tribal Livelihood in the Similipal Area of Mayurbhanj District in Odisha”, *Indigenous Tribes and Biodiversity*, pp.273-286.

Conference/Seminar/Workshop/Symposia Participated and Presented:

Dr. A.K.Patra

1. Attended National Seminar on ‘COVID-19 and SDG: Challenges and Way Forward’ at A N Sinha Institute of Social Studies, Patna, 14th & 15th March 2022 and Presented a paper titled ‘**Impact of COVID-19 on Gender Budgeting: A Study in Odisha**’ in virtual mode

Dr. M.Mallick

1. Attended 81st Annual Conference of Indian Society of Agricultural Economics in virtual mode organised by School of Business & School of Economics, Faculty of Management, Shri Mata Vaishno Devi University, Katra, 1-3, December, 2021 and Presented a paper on “A Study of Agricultural Production and Nutrition Security in Odisha”
2. Participated in Two days National Seminar on Sustainability in 21st Century: The Changing Paradigm of Business Decisions organised by Department of Commerce and Management Studies, Kendrapara Autonomous College, 8-9, January, 2022 and Presented a paper on “Micro-finance, MSMEs and Sustainable Development”
3. Attended 54th (virtual) Annual Conference of Orissa Economic Association Organised by GM University, Sambalpur, 12-13, February, 2022 and Presented a paper on “ Covid-19 and MSME Sector in Mayurbhanj District of Odisha: A Linkage between Growth, Investment and Employment.

Dr. K.K.Sahu

1. Attended in International Conference on Neo Business Practices in Emerging Global Scenario organised by IPREMS, Berhampur and presented a paper titled “Trend, Pattern and Determinants of Online Shopping and E- Commerce in India”, 16-17, April, 2022 in virtual mode.
2. Attended 54th (virtual) Annual Conference of Orissa Economic Association Organised by GM University, Sambalpur, and presented a paper on “COVID-19 and Healthcare Expenditure in India”, 12-13, February, 2022 in virtual mode
3. Attended 54th (virtual) Annual Conference of Orissa Economic Association Organised by GM University, Sambalpur, and presented a paper on “Slum Dwellers and Informal sector in Cuttack City of Odisha”, 12-13, February, 2022 in virtual mode
4. Attended International Conference organised by KISS University, Bhubaneswar on Inclusive Education : Need and Challenges and presented a paper on “ Inclusive Education and Tribal Girls in Odisha” 17-18 December, 2021 in virtual mode
5. Attended International Conference organised by Shodh Sankalp Education and Research, Dhanbad, Jharkhand International Conference on Current Issues in Business Management, Education, Research and Social Psychology, and presented a paper on “A Study of Inter-State Migration in India with special reference to COVID-19”, 1-2 August, 2021 in virtual mode

Faculty Development Programme Attended:

Dr. M.Mallick

1. Attended One - week online Faculty Development Programme on Data Analysis and Deep learning during 19-23, July, 2021 organised by Amity Business School, Amity University, Patna.

Dr. K.K.Sahu

1. **Attended Online Faculty Development Programme on Effective Stress Management for Maximising Human Productivity** organized by Rama Devi Women's University, Bhubaneswar from 09 .06.2021 to 13.06.2021
2. **Attended Online Faculty Development Programme on Research Methodology and Project Writing** organized by Rama Devi Women's University, Bhubaneswar from 07 .07.2021 to 11.07.2021
3. **Attended Virtual Workshop on Research Methodology and Hands on learning** organized by Kalinga Institute of Social Sciences (KISS) , Bhubaneswar from August 2-6 ,2021.

Research Activity (Guidance)

M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/ Awarded)
1	SanjitaPagal	Linkages between Energy Price and Food Price Inflation in India	Dr. M.Mallick	Submitted
2	Tanuja Mohanty	Performance of Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) in Odisha	Dr. M.Mallick	Submitted
3	Uttam Kumar Kabi	Education Expenditure and Economic Growth in India	Dr.Kabita Kumari Sahu	Submitted
4	Geetanjali Rout	Foreign Direct Investment and Foreign Trade in India	Dr.Kabita Kumari Sahu	Submitted

Project

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
1	Causal Link between Food Price Inflation and Supply Chain Management Practices in India	IoE, University of Hyderabad,	Rs. 35,16,000/-	03 years	Co- PI
2	Commercialization of Non-Timber Forest Product: Determinants and Supply Chain in India	National Human Rights Commission, Government of India, New Delhi	Rs. 10,69,625/-	01 Year	PI

DEPARTMENT OF PHYSICS

The P.G. 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. In addition to Class teaching, practicals are conducted in each semester for above courses to train the in-depth analysis of fundamentals. Besides, all faculty members are engaged with both theoretical and experimental research work which is reflected by published papers with good impact factor journals. Various projects funded by different funding agencies like DST (Govt of India), DST (Govt of Odisha) and IUAC are running by our faculty members. The areas of research include Condensed Matter Physics, Particle Physics, Quantum Mechanics., etc. During this session, one student qualified GATE & two students qualified NET. Further, three students of our Department have selected as lecturer in Physics by SSB, Govt. of Odisha

Research Publication:

A. Journal

1. Lopamudra Nayak , Sonali Patnaik , P. C. Dash , Susmita Kar , and N. Barik“Lepton mass effects in exclusive semileptonic Bc-meson decays” *Phys. Rev. D* 104, 036012(2021)
2. Lopamudra Nayak , P. C. Dash , **Susmita Kar** , and N. Barik“Exclusive nonleptonic Bc-meson decays to S-wave charmonium states” *Phys. Rev. D* 105, 053007(2022)
3. P.Patra, **I.Naik** , S.D. Kaushik and S.Mohanta“ Crossover from meta-magnetic state to spin-glass behaviour upon Ti-substitution for Mn in CuMn₂O₄” *Journal of Materials Science: Materials in Electronics* **33**, 554–564 (2022)
4. S. Jena, D.K. Mishra, Ankur Soam, Narendra Jakhar and **P. Mallick**“Control growth of NiFe₂O₄ phase in thermal annealed α -Fe₂O₃/NiFe₂O₄ nanocomposites for the beneficial magnetic application” *Appl. Phys. A* **127**, 519 (2021)
5. S.K. Satpathy, U.K. Panigrahi, S.K. Panda, V. Thiruvengadam, R. Biswal, W. Luyten, and **P. Mallick**“Influence of Gd Doping on Morphological, Toxicity and Magnetic Properties of ZnO Nanorods” *Materials Today Communication*, **28**, 102725(2021)
6. S. Jena, D.K. Mishra, S. Mondal, S. Chakravarty, S. Hussain and **P. Mallick**“Effect of size, phase fraction and interface coupling on the magnetic behaviour of Al modified α -Fe₂O₃/NiFe₂O₄ core-shell structure” *Appl. Phys. A* **127**, 975 (2021)
7. U. Panda, D.K. Mishra, S.K. Kamilla, V.R.R. Medicherla, V. Sathe, J. Mohapatra and **P. Mallick**“Synthesis of Sn_{1-x} Ni_xO₂ nanoparticles: observation of room temperature structural, optical and magnetic behaviour” *Journal of Alloys and compounds*, 891, 161990(2022)

8. S. Jena, D.K. Mishra, S.N. Sarangi and **P. Mallick**“Magnetic performance of Bi architecture α -Fe₂O₃/NiFe₂O₄ nanocomposite” *J Supercond Nov Magn* **35**, 833–838 (2022)
9. J. Asad, **P. Mallick**, M.E. Samei, B. Rath, P. Mohapatra, H. Shanak and R. Jarrar“Reply to Comment on “Asymmetric Variation of a Finite Mass Harmonic Like Oscillator” Results in Physics, 32,105148(2022)
10. **P. S. Sahoo**, B. B. Mohanty, L. K. Mishra, H. K. Tola & R. N. P. Choudhary, Structural and electrical properties of four folded layered BaBi₂Sb₂Ti₄O₁₅ compound, *Ferroelectrics*, 587:1, 95-103,2022
11. B. B. Mohanty, **P. S. Sahoo**, L. K. Mishra, B. Behera & R. N. P Choudhary, Dielectric and complex impedance characteristics of lead free BaBiSb₃Ti₄O₁₅ compound, *Ferroelectrics*, 587:1, 1-8, 2022
12. L. K. Mishra, **P. S. Sahoo**, B. B. Mohanty, S. K. Behera & R. N. P. Choudhary, Comparative analysis of immittance spectroscopy of some layered structured compounds, *Ferroelectrics*, 587:1, 190-197, 2022
13. D. Panda, **P. S. Sahoo**, B. B. Mohanty, L. K. Mishra, S. K. Behera & R. N. P. Choudhary, Characterization of dielectric relaxation, electrical conductivity and impedance spectroscopy of lead-free Li_{0.5}Bi_{0.5}Ti_{0.8}Zr_{0.2}O₃ ceramic, *Ferroelectrics*, 587:1, 9-17, 2022
14. S. K. Behera, **P. S. Sahoo**, L. K. Mishra, B. B. Mohanty & R. N. P. Choudhary, Electrical characterization of CaBi₄Ti₃ZrO₁₅ ceramic, *Ferroelectrics*, 588:1, 18-30, 2022
15. Hare Krushna Tola, **P. S. Sahoo**, Bana Bihari Mohanty, Laxmi Kanta Mishra & Ram Naresh Prasad Choudhary, Effect of co substitution of (Y, Mn) on electrical properties of bismuth ferrite *Ferroelectrics*, 587:1, 9-17, 2022

Conference/Seminar/Workshop/Symposia Participated and Presented:

Prof. Susmita Kar

1. Delivered a talk as Chief Guest on 28.02.2022 to celebrated “Science day”, Organised by Govt. Elementary Teacher Education Institution, Baripada.
2. Participated in Inter-National seminar organized by Department of Physics, MSCB University on 23rd April, 2022.
3. Participated in DAE-BRNS outreach theme meeting during 25th-27th, March, 2022.
4. Delivered a talk as Resource Person on 27.05.2022 in Mayurbhanj School of Engineering, Baripada.

Dr. I. Naik

1. International Seminar on Emerging Trends in Physics held at MSCBU during 23-04- 22, Paper presented- Effect of Fe-doped on structure of MnTiO₃.
2. Participated in DAE-BRNS Societal Applications of Nuclear Science and Technology held during 25-27 March 2022 at MSCBU

Dr. P. Mallick

1. Presented a paper titled “Effect of Sulphur Doping on the Structural and Optical Properties of ZnO Nanorods” in the International Virtual Conference on Materials

Research (IVCMR-21) held at Easwari Engineering College, Chennai during 26-27 August, 2021

2. Delivered an invited talk titled “Recent Development in Diluted Magnetic Semiconductors” as a chief resource person in the Annual Departmental Seminar of BB College, Baiganbadia on 09 December, 2021
3. Participated in DAE-BRNS outreach theme meeting during 25th-27th, March, 2022.
4. Presented a paper titled “Magnetic Property of NiO/NiFe₂O₄/α-Fe₂O₃ Nanocomposite” in the International Seminar on “Emerging Trends in Physics” held at MSCB University, Baripada, on 23 April, 2022.
5. Presented a paper titled “Correlating Cation Distribution to Magnetic Properties of Ni-Zn Ferrites through Neutron Diffraction” in the DAE-BRNS sponsored Two-Day Theme Meeting on Strategic Planning for Enhancing Research Reactor Utilization (RRU-2022) at DAE Convention Centre, Anushaktinagar, Mumbai during 6-7 May, 2022

Dr. P.S. Sahoo

1. Chair the Technical Session, in International Conference on Recent Advances in Materials, ICRAM-2022, Dt 21st -23rd 2022, organized by Department of Chemistry and Physics, School of Applied Science, Centurian University of Technology and Management
2. Delivered a talk as Resource Person in International Conference on Recent Advances in Materials, ICRAM-2022, Dt 21st -23rd 2022, organized by Department of Chemistry and Physics, School of Applied Science, Centurian University of Technology and Management
3. Delivered a talk in International Seminar on Recent trends in Physics, Department of Physics, Maharaja Sriram Chandra Bhanja Deo University, Baripada

Dr. J.R. Sahu

1. International Seminar on Emerging Trends in Physics held at MSCBU during 23-04- 22, Paper presented- Modification of magnetocaloric properties of La_{0.5}Sr_{0.5}CoO₃ upon Ba-substitution
2. Participated in DAE-BRNS Societal Applications of Nuclear Science and Technology held during 25-27 March 2022 at MSCBU.

Faculty Development Programme Attended:

Dr. I.Naik

1. Successfully participated “National intellectual property awareness mission” organised by intellectual property office, India on 28 may 2022

Dr. P. Mallick

1. Completed an one week online FDP on “Research Skill Enhancement” conducted by Amity University, Jharkhand during 21.06.21 to 25.06.21.
2. Completed an one week online FDP on “Research Methodology and Project Writing” conducted by Rama Devi Women’s University, Bhubaneswar during 07.07.21 to 11.07.21.

3. Completed an one week online FDP on “Recent Trends in Education Technology” conducted by Odisha University of Agriculture and Technology, Bhubaneswar during 24.09.21 to 28.09.21.
4. Completed an one week online FDP on “Advances and Challenges in Physics” conducted by Fakir Mohan University, Balasore during 13.12.21 to 18.12.21.

Research Activity (Guidance)

A. Ph.D.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/Awarded)
1	Priyabrata Patra	Study of Structural, Magnetic and Dielectric Properties on $\text{Cu}_{1-x}\text{Zn}_x\{\text{Mn}(\text{Ti})\}_2\text{O}_4$	Dr.I.Naik	Submitted
2	Uttam Kumar Panigrahi	Effect of Non-magnetic Ion Doping on the Structural and Magnetic Properties of NiO	Dr.P.Mallick	Awarded
3	Satyajeet Jena	Effect of Doping on the Structural, Optical and Magnetic Properties of $\alpha\text{-Fe}_2\text{O}_3/\text{NiFe}_2\text{O}_4$ Nanocomposite	Dr.P.Mallick	Awarded
4	Sanjaya Kumar Satpathy	Evolution of optical and magnetic properties of ZnO Nanostructures by rare Earth Ion Doping	Dr.P.Mallick	Awarded

B. M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/Awarded)
1	Jyotshnarani Mohanty	Study of Dielectric and Impedance spectroscopy of $\text{BaBi}_2\text{Sb}_2\text{Ti}_4\text{O}_{15}$ ceramic compound	Dr. P.S. Sahoo	Submitted
2	Chinmay Kumar Rout	Study of magnetocaloric effect in $\text{LaFe}_{13-x}\text{Si}_x$ based compounds	Dr. J.R. Sahu	Submitted
3	Susmita Mohapatra	Leptonic Decay of Light Vector Mesons	Prof.S.Kar	Submitted

Project

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
1	Effect of magnetic and non-magnetic element (Fe, Zn & Al) substitution on synthesis and characterisation of	SERB, NEW DELHI	Rs.39,78,000/-	3 years (27/12/2019 - 26/12/2022)	Dr. I.Naik

	MnTiO ₃				
2	Swift Heavy Ion Irradiation Induced Emergence of Properties of ZnO Nanoparticles Embedded in PVA Matrix for Flexible Devices	IUAC, New Delhi	6.03 Lakhs	3 yrs (2021-24)	Dr. P. Mallick
3	Tailoring the Magnetic Proximity Effect in Ferromagnetic Phase Embedded in NiO Matrix for Antiferromagnetic Spintronics Application	DST, Govt. of Odisha	7.41 Lakhs	3 yrs (2021-24)	Dr. P. Mallick
4	Investigation of magnetocaloric effect in various oxides	S & T Dept., Govt. of Odisha	Rs. 9,36,000.00	2018-2022	Dr. J.R. Sahu

DEPARTMENT OF SANTALI

The teaching of Santali language in Maharaja Sriram Chandra Bhanjadeso University started in 2012 as a self –financing mode. 2017 since then Santali language has become a regular Mode. At present, the studies of M.A., M.Phil. and Pre-PhD courses are conducted from Santali department. Till now around 500 students have passed out from here. Today the students here have become teachers in various schools and Colleges.

Research Publication:

Journal

1. Dr. Jatindra Nath Besra, “Santal SaontaChedlekatboUtnawa”, HolongGada, 4th year, 1st issue, January to June 2022, RNI No.: JHASAI/2018/78237 ISSN : 2582-5135
2. Dr. Jatindra Nath Besra, “DupudubThakurbariTupunaighat re”, The SaonhedArang, Volume-1, Issue-1, July-Sept-2022

Conference/Seminar/Workshop/Symposia Participated and Presented:

1. Attended National Webinar on “Personality and Creativity of MajhiRamdasTudu (Raska)”, organized by the Department of Santali& IQAC, SevaBharatiMahavidyalaya, Jhargram, W.B. on 23rd September, 2021. My speech entitled as “Life and Philosophy of MajhiRamdasTudu (Raska).”
2. Attended Webinar on “91th Birth Anniversary of Chandra Mohan Hansdah held on 10 October 2021. Organized by All India Santali Writer’s Association, Odisha Branch.
3. Attended four day Workshop on “ Santali Religion and Performance” organized under the sponsorship of Faculty Initiation Grant IIT Roorkee at the Kalinga Institute of Social Sciences, Bhubaneswar, between 19 and 22 June 2022.

Faculty Development Programme Attended:

1. Guru-Dukshta, 2nd Faculty Induction Programme of 170hours' from 04/01/2021 to 31/01/2021, organized by University Grants Commission, Human Resource Development Centre (HRDC), Ranchi University, Ranchi.
2. UGC-Sponsored Inter/Multi-Disciplinary Refresher Course in Human Rights and Constitution of India from 18/08/2021 to 31/08/2021, organized by University Grants Commission, Human Resource Development Centre (HRDC), Ranchi University, Ranchi.

Research Activity (Guidance)

M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted / Awarded)
1	DurgaSoren	SunaramSorenakJiyanEnem : Mid Padhan	Dr. J.N. Besra	Continues

DEPARTMENT OF WILDLIFE AND BIODIVERSITY CONSERVATION

The department was established in the year 2002 with a Masters (MSc) programme in Wildlife and Biodiversity Conservation of 2 years with an intake capacity of 30. The department was started as a self- financing department (S.F.C.) for almost 2 decades till 2022 until it became a regular department of the university. There are total 6 posts in the department out of which 3 are filled and 3 are vacant. In the month of January 2022, three new regular faculties Dr. Ashok Kumar Mallik, Dr.SubhaniRath, Dr.DebasisNayak, Assistant professor were recruited through Odisha public Service Commission (OPSC), through recruitment of Assistant professors in the state public universities of Odisha. The department is unique since it is the only one of its kind offered by this particular university in the entire state. No other state public universities offer this sort of programme. It is unique in a way because this programme will give an insight to the ecology and environment and the world outside the human domain. Students will learn the interaction of the human with the environment. The syllabus covers vital aspects of basic sciences in this domain like wildlife, ecology, taxonomy, environmental issues of the contemporary times like climate change and conservation. The course curriculum trains students in applied fields which are in much demand like molecular techniques and wildlife forensics, remote sensing and GIS, environmental impact assessment. In the present academic session of 2021-2022, there are 25 students in the 2nd year and 19 students in the 1st year.

Research Publication:

1. Pyron R, Cyriac V, Ganesh SR, **Mallik AK**, De Silva A, AchyuthanNS & K. Shanker. 2022. First Report of Hemipenial Variation among Some Genera and Species of

Shieldtail Snakes (Serpentes: Uropeltidae) from India and Sri Lanka. *Ichthyology & Herpetology*, 110(2):299-314

2. Vogel G, **Mallik AK**, Chandramouli SR, Vivek, Sharma V & SR Ganesh. (**Accepted**) A review of records of the *Trimeresurus albolabris* Gray, 1842 group from the Indian subcontinent: expanded description and range extension of *Trimeresurus alazar*, redescription of *Trimeresurus septentrionalis* and rediscovery of historical specimens of *Trimeresurus davidi* (Reptilia: Viperidae). *Zootaxa*.
3. Mohanta, Yugal Kishore, Awdhesh Kumar Mishra, **Debasis Nayak**, Biswajit Patra, Amra Bratovic, Satya Kumar Avula, Tapan Kumar Mohanta, Kadarkarai Murugan, and Muthupandian Saravanan. (2022) "Exploring Dose-Dependent Cytotoxicity Profile of *Gracilaria edulis*-Mediated Green Synthesized Silver Nanoparticles against MDA-MB-231 Breast Carcinoma; *Oxidative Medicine and Cellular Longevity* 2022.
4. **Sruti Dhar Rout**, Santanu Kumar Panda and Taranisen Panda (2022). Species Diversity and Vegetation Structure of Gorumahisani Iron Ore Mines, Mayurbhanj, Odisha. *Journal of BioResearch* 1(1), 61-71.

Book Chapter:

1. Sahu SK, Rana R & **Mallik AK**. 2022. Usage of Engineered Virus-Like Particles in Drug Delivery. In Rout JR, Kerry RG & Dutta A (Eds.), *Biotechnological Advances for Microbiology, Molecular Biology, and Nanotechnology, An Interdisciplinary Approach to the Life Sciences* (1st ed., pp. 65-76). CRC Press, Taylor and Francis Group.

Conference/Seminar/Workshop/Symposia Participated and Presented:

Dr. Subhani Rath: Participated in IP Awareness/Training programme under National Intellectual Property Awareness Mission, on 28th May 2022.

Dr. Debasis Nayak: Participated in IP Awareness/Training programme under National Intellectual Property Awareness Mission, on 28th May 2022

Project

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
1.	Investigating the role of tribes in Biodiversity Conservation of Sacred Forests in Odisha, eastern India.	International Society for Women Geographers, USA	60,000 (seed grant)	6 months	PI

2.	Assessment of nutritional and microbial quality of traditional rice beverage “Handia” from Mayurbhanj district of Odisha	OURIIP (Odisha Higher Education Council, Govt. of Odisha)	4.90 Lakhs	2 years	PI
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DEPARTMENT OF ZOOLOGY

The Post- Graduate Department of Zoology of Maharaja Sriram Chandra Bhanja Deo University, has been established in the year 2004 with six faculty members. The department offers M. Sc, Zoology, M.Phil. Zoology and Pre-Ph. D, Zoology and Life Sciences programmes. A lot of extra-mural funded projects are running in the department under different faculty members.

M. Sc., Zoology encompasses papers on Skill based techniques, classical and modern zoology, biotechnology and molecular biology. The department also offers Open Elective papers for non-Zoology students and certificate courses for Zoology students. The Department has well-equipped laboratories, an organized museum, departmental library with good collection of books which supplements central library of the university. The department has three central research laboratories, one animal cell culture laboratory, an animal house, a microbiology laboratory and research laboratories of individual faculty members, where students carry out their dissertation and Ph. D research work. Students from other institutions and departments also avail our laboratory facilities and pursue their research work. Faculty members of the department are dynamic with diverse specializations and are hard working. They continuously impart knowledge and inculcate scientific aptitude among the students. The faculty are eager to learn at every stage and enhance their research acumen and academic skills by regular training programmes. Students are encouraged to participate in internship/training programmes, conferences, poster presentations as well as given opportunities to publish research publications and book chapters. By adopting the blended teaching learning approach, a major focus is given on the active learning strategies, such as group discussions, subject/paper presentations, field-based research projects and value-added experiments.

The department has also an active and vibrant seminar and research scholar club and registered Alumni that organizes a variety of academic and extra-curricular activities throughout the year for holistic development of students. The department also releases an annual bulletin which provides a platform to bring out the academic and creative expressions of students.

Research Publication:

Prof. H.K. Sahu

A. Journal

1. Das, S.S., Jena, S., H. K. Sahu and Satpathy, O. “Ethno-entomological value and antimicrobial potency of termite (*Odontotermesobesus*) of Mayurbhanj district, Odisha” *Int. J. of Creative Research thoughts* 9(3) :5436-5441(2021).
2. S. Sahoo and H.K. Sahu. Studies on fish feed formulation of Indian major carp from aquatic macrophytes, *Lemna minor* and *Eichhornia crassipes* 4(3):224-229 (2021)
3. Jena, S., Das, S.S., Satpathy, O. and Sahu, H. K. “Studies on medicinal value and phytochemical parameters of traditionally used plants of Kundabai, Mayurbhanj, Odisha” *International Journal of Current Advanced Research*10 (09): 25103-25106 (2021).
4. Palei, H. S., Pradhan, T., Sahu, H. K., and Nayak, A. K. Diet and activity pattern of leopard in relation to prey in tropical forest ecosystem. *Mammalia*, 86(1), 1-12 (2022).
5. Sethi, S., Jena, S., and Sahu, H. K. “Physico-chemical parameters and ichthyofaunal checklist of Budhabalanga river, Mayurbhanj district, Odisha” *International Journal of Current Advanced Research*11(03): 2319-6505 (2022).
6. Jean, S., Mohalik, R.K., Das, S.K. and Sahu, H.K.. “Myrmecophagy by a jumping spider (Araneae: Salticidae: *Hyllus semicupreus*), feeding on a red weaver ant queen (Hymenoptera: Formicidae: *Oecophyllasmaraagdina*)” in *PECKHAMIA* 259 (1): 1-3 (2022).

Chapters in edited book:

1. Singh, L A K., Palei. N. C. and Sahu, H.K. (2021). Elephant Movement and its Impacts: Conservation Management in Odisha, India: Case Study, LAMBERT Academic Publishing, ISBN: 978-613-9-97302-6 (In Press)
2. Sethy, J., Gouda, S., Chauhan, N.S., Parida., A. and Sahu, H.K. (2021). Mammals of Dampa tiger Reserve, Mizoram, Kunal Books Publisher and Distributors, New Delhi, ISBN: 978-93-86714-74-9 (In Press)
3. Dash, P.K., Jena, S., Mohalik, R.K., and Sahu, H.K., (2021). “Conservation of carnivorous plants in Odisha: A key challenge for the policymakers”. (In press)

Dr Puspanjali Parida

1. Mangaraj H., Parida P. Seasonal variation on antioxidant system of liver *Duttaphrynusmelanostictus*12 (1): e print (2022).
2. Pattanayak P. P., Parida P. Seasonal variation on antioxidant system of liver *Duttaphrynusmelanostictus*12 (1): e print (2022).

Dr P.R. Debata

1. Mohapatra S, Mohanty J, Pani S, Hansdah S, Biswal, Sahoo AK, **Debata PR**, Root extract of *Plumbago zeylanica* L. induces cytotoxicity, inhibits cell migration and induces S-phase cell cycle arrest through down regulation of EGFR in HeLa cervical cancer cells, *Advances in Cancer Biology-Metastasis*, (2022).
2. Sahu A, Kar P and Debata PR. Cocoon Traits and Grainage Behaviour of Modal Ecorace of Tasar Silkworm in three Different Locations of Similipal. *Ecology, Environment and Conservation*. 330-337. (2021)
3. Pani S, Mohapatra S, Sahoo A, Baral B, **Debata PR**. Shifting of cell cycle arrest from the S-phase to G2/M phase and downregulation of EGFR expression by phytochemical combinations in HeLa cervical cancer cells. *J Biochem Mol Toxicol*. (2021).

4. Mohapatra S, Biswal AK, Dandapat J, **Debata PR**. Leaf Extract of *Nerium oleander* L. Inhibits Cell Proliferation, Migration and Arrest of Cell Cycle at G2/M Phase in HeLa Cervical Cancer Cell. *Anticancer Agents Med Chem.*21(5):649-657 (2021).

Dr C. Mahapatra

1. **Mahapatra C**, Achary AS, Patra D. Protein S-nitrosylation: Nitric oxide signalling during anuran tail regression. *Acta Histochem.* 124(5):151899. Online (2022).
2. Mishra, C., **Mahapatra, C**. Physiological assessment of fish health in mineral-rich areas of Ganjam, Odisha, India, and chronic toxicity of zirconium oxychloride on the fishes of *Channa punctata*. *Environ Monit Assess* 193, 679. (2021).
3. Vivek Sarkar, **Cuckoo Mahapatra**, Pratyush P. Mohapatra, Manoj V. Nair, Krushnamegh Kunte. Description of three new species of the genus *Mata* Distant, 1906 (Hemiptera: Cicadidae: Cicadinae: Oncotympanini) with notes on their natural history from Indian state of Meghalaya, India. *Zootaxa*, 4908(1), 1–28 (2021).

Dr G. Mohanty

1. Behera A., Das R., Patnaik P., Mohanty J., Mohanty G. A review on fish peptides isolated from fish waste with their potent bioactivities. *Journal of Applied Biology and Biotechnology* 10(3): 195-209 (2022).
2. Sahu H. S., Mohanty G. Evaluation of haematological parameters among tribal menopausal women in Eastern India. *Indian Journal of Applied Research e -print* 11(9): 2021.
3. Mohanty G. Evaluation of Osteoporosis among the general and schedule tribal college students. *Journal of Emerging Technologies and Innovative Research e-print* 8(10): 2021

Patent

Pritam Mohanty, **Gargee Mohanty**, Debapreeti Mohanty, Sushila Sah, Ranvijay Singh, Pinaki Mohanty, Arun Kharavela Mohanty, Priyam Mohanty, L. Priyanka KAlimireddy, **“Biodegradable Disposable Gloves” Patent Status, Granted.** Patent Authority, Australian Innovative Patent, Australian Government. **Patent No. 2021156722.**

Transfer of Technology.

The patented process and product “Organic Fertilizer from Visceral Waste of Freshwater Fish developed by Dr Gargee Mohanty and Mr Ayushman Behera of PG Department of Zoology, MSCB, University, has been transferred to the Agricultural Department of Odisha through the District Agricultural Office, Mayurbhanj Baripada, on the occasion of World Soil Day, 5th December, 2021 in the presence of higher Authorities of Agricultural Department, Fishery, Watershed, Horticulture department; Vice-Chancellor of Maharaja Sriram Chandra Bhanja Deo University, Baripada, Registrar and Comptroller of Finance, , Chairman, P. G. Council. Head of Department, Zoology, MSCB, University and other dignitaries from Krishi Vigyan Kendra, farmers, students, media people and others. The dissemination of the technology was done for farmer benefits and to improve the soil health.

Conference/Seminar/Workshop/Symposia Participated and Presented:

Prof. H.K. Sahu

1. Participated in 7th International conference on Environment and Ecology jointly organized by International foundation for Environment and Ecology, Kolkata, west Bengal, Dept. of Environmental science, Bharathiar University, Tamil Nadu, Dept. of Zoology, Govt. Degree College, Bhadarwah, Jammu and Kashmir, Dept. of zoology, Mahisadal Raj College, west Bengal from 26th -28th November, 2021.
2. Participated in DAE-BRNS outreach Theme Meeting on “Societal Applications of Nuclear Science and Technology” organized by Maharaja Sriram Chandra Bhanja Deo University from 25th-27th March, 2022.
3. Presented a poster on “Isolation and characterization of probiotic microorganism from Red weaver ant (*Oecophylla smaragdina*): a widely edible insect among the tribes of Mayurbhanj district, Odisha, India”, Jena, S., Das, S.S., Panda, S.H. and Sahu, H. K.; in National Seminar on “Animal Sciences Research for Sustainable Development” organized by Post Graduate Department of Zoology, Maharaja Sriram Chandra Bhanja Deo University in association with Zoological Society of Orissa on 29-30th March 2022.

Dr Puspanjali Parida

1. National Seminar on “**Animal Sciences Research for Sustainable Development**” organized by Organised by P.G. Department of Zoology, Maharaja Sriram Chandra Bhanja Deo University, Baripada from 29th-30th March, 2022.
2. DAE-BRNS Outreach Theme Meeting on “**Societal Applications of Nuclear Science and Technology**” organized by BARC, BRNS, IOP, NISER and MSCBU in association with IANCAS Maharaja Sriram Chandra Bhanja Deo University, Baripada from 25th -27th March, 2022.
3. International E-Conclave on “**Academic Writing**” organized by MSME- Technology Development Centre (PPDC), Agra from 21st Jan 25th Feb 2022.
4. One month online intership in “**Research Training**” organized by MSME- Technology Development Centre (PPDC), Agra from 17th Jan -17th Feb 2022.
5. National Webinar on “Redefining, Rejuvenating and Reskilling of Botany to Biotechnology” organized by P.G. Department of Botany, Dhenkanal Autonomous College, Dhenkanal from 7th-12th February 2022.
6. IDP OHEPEE supported National Seminar on “**Similipal: Communities, Biodiversity and Conservation**” organized by Centre for Similipal Studies, Maharaja Sriram Chandra Bhanja Deo University, Baripada in collaboration with Similipal Tiger Reserve, Forest Department of Odisha from 20th-21st December 2021.
7. International E-Conclave on “**Tobacco Cessation 2021: Consensus on Comprehensive Therapy for Tobacco Cessation**” organized by IcanCaRe from 4th-25th July, 2021.
8. National Webinar on “**Vaccine: Concepts & Therapeutics**” organized by Microbiologists Society, India in Collaboration with Department of Botany & Zoology, Kalahandi University, Bhawanipatna, Odisha held on 26th June 2021.
9. Participated in the “**Yoga for Unity and Well-being**” - 100 days of Yoga Program” organized by National Institute of Yoga, Ministry of Ayush, India; UN Information Centre for India and Bhutan; Association of Indian Universities; Heartfulness, Hyderabad, Patanjali Yogpeeth, Haridwar; SVASA, deemed to be University, Bangalore from March 14 to June 21 towards the International Day of Yoga 2021.
10. National Webinar on “**Recent Advances in Animal Sciences (Neuroscience and Nanobiotechnology)**” organized by Department of Zoology, Kalahandi University, Bhawanipatna, Odisha (India), on May 31, 2021.

Dr P. R. Debata

1. National Seminar on **“Animal Sciences Research for Sustainable Development”** organized by Organised by P.G. Department of Zoology, Maharaja Sriram Chandra Bhanja Deo University, Baripada from 29th-30th March, 2022.
2. DAE-BRNS Outreach Theme Meeting on **“Societal Applications of Nuclear Science and Technology”** organized by BARC, BRNS, IOP, NISER and MSCBU in association with IANCAS Maharaja Sriram Chandra Bhanja Deo University, Baripada from 25th -27th March, 2022.
3. IDP OHEPEE supported National Seminar on **“Similipal: Communities, Biodiversity and Conservation”** organized by Centre for Similipal Studies, Maharaja Sriram Chandra Bhanja Deo University, Baripada in collaboration with Similipal Tiger Reserve, Forest Department of Odisha from 20th-21st December 2021.
4. Participated in the **“Yoga for Unity and Well-being” - 100 days of Yoga Program** organized by National Institute of Yoga, Ministry of Ayush, India; UN Information Centre for India and Bhutan; Association of Indian Universities; Heartfulness, Hyderabad, Patanjali Yogpeeth, Haridwar; SVASA, deemed to be University, Bangalore from March 14 to June 21 towards the International Day of Yoga 2021.
5. Participated in IP Awareness / Training Program under “National Intellectual Property awareness Mission” organized by Intellectual Property Office, India on 7th April 2022.

Dr C. Mahapatra

1. Poster presentation at a two-day theme meeting on “Strategic Planning for Enhancing Research Reactor Utilization (RRU-2022)”, organized by BARC, Mumbai during May 6-7, 2022 at DAE Convention Centre, Mumbai.
2. Participated in a DAE-BRNS Outreach theme meeting organized by BARC, BRNS, IOP, NISER and MSCB University from March 25-27, 2022 at MSCB University, Baripada.
3. 10 days virtual workshop on “Phylogeny, homology modelling and molecular docking” organized by Dept. of Biotechnology, MSCB University, Baripada from 20th -29th November, 2021
4. Presented a poster in Odisha Research Conclave organized by Odisha State Higher Education Council from 13-14th November, 2021.

Dr G. Mohanty

1. National Seminar on **“Animal Sciences Research for Sustainable Development”** organized by Organised by P.G. Department of Zoology, Maharaja Sriram Chandra Bhanja Deo University, Baripada from 29th-30th March, 2022.
2. DAE-BRNS Outreach Theme Meeting on **“Societal Applications of Nuclear Science and Technology”** organized by BARC, BRNS, IOP, NISER and MSCBU in association with IANCAS Maharaja Sriram Chandra Bhanja Deo University, Baripada from 25th -27th March, 2022.
3. IDP OHEPEE supported National Seminar on **“Similipal: Communities, Biodiversity and Conservation”** organized by Centre for Similipal Studies, Maharaja Sriram Chandra Bhanja Deo University, Baripada in collaboration with Similipal Tiger Reserve, Forest Department of Odisha from 20th-21st December 2021.

4. Participated in National Webinar on Quality Shrimp Seed and Assessment through PCR Techniques & Inland Cage Culture, Organized by Marsco Aqua Clinics – Aqua One Centre, Balasore. 12- June 2021
5. Presented a poster in Odisha Research Conclave organized by Odisha State Higher Education Council from 13-14th November, 2021.
6. Participated in the “**Yoga for Unity and Well-being**” - **100 days of Yoga Program**” organized by National Institute of Yoga, Ministry of Ayush, India; UN Information Centre for India and Bhutan; Association of Indian Universities; Heartfulness, Hyderabad, Patanjali Yogpeeth, Haridwar; SVASA, deemed to be University, Bangalore from March 14 to June 21 towards the International Day of Yoga 2021.
7. Participated in International Conference (online) on Agriculture, Biological and Life Sciences, organized by Vidya Kutir Foundations, New Delhi, 25th -26th September 2021.
8. Participated in IP Awareness / Training Program under “National Intellectual Property awareness Mission” organized by Intellectual Property Office, India on 7th April 2022.
9. Resource person in the program DAESI (Diploma in Agriculture Extension Service for Input Dealers), on “Organic Farming and Management of Soil Health” organized by the Office of ATMA, Mayurbhanj, Odisha on 28.11.2021.
10. Resource person in a seminar on “Integrated Farming System with Crop Diversification” organized by the Office of Chief District Agriculture Officer, District Agriculture Office, Mayurbhanj, Odisha under the IEC program to celebrate Zila Mohotsav, 11.04.2022-15.04.2022.

Faculty Development Programme Attended:

Dr Puspanjali Parida

1. Faculty Development Programme on “**Leadership Mastery Through Self-Management**” (online) organized by Centre for Value Based Education, Delhi Technology University, Delhi and Heartfulness Education Trust from 19-23 July, 2021.
2. Faculty Development Programme on “**Research Methodology and Project Writing**” organized by Institutional Development Plan (IDP, OHEPEE) Cell of Rama Devi Women’s University, Vidya Vihar, Bhubaneswar, Odisha held during 07-11 July, 2021.

Dr G. Mohanty

1. Successfully completed a 5 days short term course on “Data Analytics and Predictive Technologies” organized by I-DAPT – HUB Foundation, IIT (BHU) Varanasi, from 5th July to 10th July 2021.

Research Activity (Guidance)

1. M. Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/ Awarded)
1.	Elora Barik	Studies on anti-microbial evaluation	Prof. H. K.	Awarded

		of organic extracts and organic oil extracts of red weaver ant (<i>Oecophyllasmaragdina</i>)	Sahu	
2.	Dharitri Behera	Ethnozoological study on Udala block of Mayurahanj district, Odisha	Prof. H. K. Sahu	Awarded
3.	Sai Abhipsa Dash	Vitamin A mediated tail regeneration in tadpoles of <i>Chirixalussimus</i> .	Dr C. Mahapatra	Awarded
4.	Susmita Gharai	Antioxidant properties of fish protein hydrolysates extracted from visceral waste of <i>Catlacatla</i>	Dr. G. Mohanty	Awarded
5.	Manisha Mohapatra	Nutritional study of Red weaver ant (<i>Oecophyllasmaragdina</i>): An edible insect in the Mayurbhanj district, Odisha	Prof. H. K. Sahu	Awarded
6.	Subhalaxmi Pattnayak	Characterization of selected plant derived molecules for antiangiogenic activities using chick chorioallantoic membrane.	Dr P. R. Debata	Awarded
7.	Sameer Kumar Singh	Behavioural Study on Spiders: Foraging Tactics and Web Types of some selected species.	Dr Puspanjali Parida	Awarded
8.	Swagatika Tudu	Effect of Trizophos on morphology, protein content and lipid peroxidation on spotted snakehead fish (<i>Channa punctatus</i>)	Dr Puspanjali Parida	Awarded

2. Ph. D.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/ Awarded)
1.	Mrs. Sipraswarupa Sahoo	Studies on growth performance rate through artificial feed formulation of Indian major carp, <i>Labeo rohita</i> .	Prof. H. K. Sahu	Awarded, 2022
2.	Ms .Shubhasmita Mohapatra	Screening, Isolation and Characterization of Some Selected Plants from Northern Regions of Odisha having Anticancer Properties in Glioblastoma	Dr. P. R. Debata	Awarded, 2022
3.	Ms. Sarita Pani	Anticancer effects of selected phytochemicals on B16F10 melanoma cell	Dr. P. R. Debata	Awarded, 2022
4.	Mrs. Aratibala Sahu	Studies on behaviour of modal ecorace of <i>Antheraea mylitta drury</i> of Simlipal Biosphere Reserve	Dr. P. R. Debata	Awarded
5.	Mr Vivek Sarkar	Taxonomy, Natural history and Acoustics of Cicadas in Garo-	Dr. C. Mahapatra	Awarded, 2022

		Khasi-Jaintia Hill Complex, Eastern India		
6.	Mr. H. K. Sahu	Study on psychological, nutritional and lifestyle diseases and their management in Peri and Post menopausal women in Mayurbhanj district.	Dr. G. Mohanty	Awarded, 2022
7.	Mrs Chirasmitha Mishra	Effect of heavy metals on biochemical, cytological and histological parameters of <i>Channa punctatus</i> available in Tampora lake, Ganjam, Odisha		Submitted

Projects

Sl. No	Title of the project	Funding Agency	Amount	Duration	PI/ Co-PI
1	Integrated Micro Watershed Management plan in Similipal Tiger Reserve using Remote Sensing & GIS	Similipal Tiger Reserve, Govt. of Odisha	11,62,000/- 4,54,000/- (for 1 st year) 3,79,000/- (2 nd year)	3 years (Sanctioned for 1 st year only) 2 nd year	Prof. H.K.Sahu (PI)
2	Population status, spatial distribution & conservation of small carnivores in Similipal Tiger Reserve, Baripada, Mayurbhanj, Odisha	Similipal Tiger Reserve, Govt. of Odisha	11,45,500/- 3,96,500/- (for 1 st year)	3 years (Sanctioned for 1 st year only) 2 nd year	Prof. H.K.Sahu (PI)
3	Study on ecological implications in Similipal Biosphere Reserve using Biodiversity Indices	Similipal Tiger Reserve, Govt. of Odisha	16,49,000/-	3 years	Prof. H.K.Sahu (PI)
4.	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	10 Lakhs	3 years	Dr. P.R. Debata (PI)
5.	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	47.5 Lakhs	3 Years Completed (2018-2021)	Dr. C. Mahapatra (PI)
6	Conversion of fish waste as a plant growth supplement	DST, Govt. of Odisha	10 Lakhs	2 years	Dr. G. Mohanty (PI)

7.	A collaborative Project on “Studies on the bioactive properties of small peptides from protein hydrolysates of fish waste using biotechnological tools and suitable incorporation into bacterial/animal cell culture media for better growth., in collaboration with Central Institute of Freshwater Aquaculture, Bhubaneswar and ImgenexPvt. Limited, Bhubaneswar.	DST, Govt. of Odisha	30 Lakhs	3 years	Dr. G. Mohanty (PI)
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II. 2nd Campus, Keonjhar

DEPARTMENT OF ENGLISH

The P.G. department of English is a regular department of Maharaja Sriram Chandra Bhanajdeo 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 40 students were admitted in the M.A. programme against 40 seats. 1 student took admission in the MPhil programme against a total of 1 seat.

Research Publication:

Name of the Faculty Member: **Shaswat Panda**

A. Journal

1. 'Reading Materials: Fictionality and Commodities in George Eliot's *Middlemarch*' (co-authored with Shikha Vats). Salesian Journal, Vol XII, No.2, December 2021. ISSN 0976-1861. pp 41–50
2. 'The Uses of Lives: Biography, History and Literature in Colonial South Asia'. Salesian Journal, Vol XII, No.1, May 2021. ISSN 0976-1861. pp 109–124
3. Review of Bhakti and Embodiment: Fashioning Divine Bodies and Devotional Bodies in Kṛṣṇa Bhakti, by Barbara A. Holdrege. Contemporary South Asia, Vol 29, No. 4, 2021, ISBN- 978-0-415-67070-8. Pp 592–593.

B. Book Chapter

1. 'Odia Folktales' and 'Representations of the Conflict between the City and the Forest in Odia Literature'. In Critical Discourse in Odia. (Eds.) Jatindra K. Nayak and Animesh Mohapatra, Routledge, 2021. ISBN: 9781138504806.

Conference/Seminar/Workshop/Symposia Participated and Presented:

Name of the faculty member: **Shaswat Panda**

1. Invited as speaker to speak on Career Counselling for students pursuing English at undergraduate level, DeenDayal Upadhyaya College, University of Delhi on 18 April 2022.
2. The 'Obscure Destiny' of Poetry: Thomas Pray in the Age of Transition. Invited Speaker at Department of English, KKS Women's College, Balasore, 7 March 2022.
3. Panelist in online book discussion on Bonding with the Lord: Jagannath, Popular Culture and Community Formation organised by Balasore Study Circle, Odisha, 4 July 2021.

Faculty Development Programme Attended:

1. Attended one orientation course organised by Ramanujan College, University of Delhi from **19 July 2021 to 17 August 2021**.
2. Attended one Refresher Course organised by Ramanujan College, University of Delhi (in collaboration with Nirmala College, Muvattupuzha, Kerala from **20 September 2021 to 5 October 2021**).

Research Activity (Guidance)

A. M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted/ Awarded)
1.	Nutan Rani Sahu	Western Travel writings on Odisha: A Study of Select Travel Narratives (1629–1790)	Shaswat Panda	Submitted

DEPARTMENT OF GEOLOGY

The Geology department of MSCB University, Keonjhar campus was established in 2018. This department owns two faculties, namely Dr. Prabhu Prasad Das (Associate Professor, Geo-informatics) and Dr. Biraja Prasad Das (Assistant Professor, Metamorphic Geology). The department has only two years P.G. courses. At present, there is a total strength of thirty each for M.Sc. 1st year and 2nd year programme. In first year, courses of study being taught are namely, Igneous Petrology, Sedimentary Petrology, Metamorphic Petrology, Geomorphology, Crystallography, Structural Geology and Research Methodology. Likewise, in 2nd year, courses of study being taught are namely, Environmental Geology, Ore Geology, Economic Geology, Stratigraphy and palaeontology, Hydrogeology, Coal and Petroleum Geology, Remote Sensing and GIS. Apart from this, as this is a job-oriented subject, our students were able to qualify NET, GATE and GSI as per the previous data. Some of them were placed in very reputed and prestigious companies. This department has been one of the very brightest department of this university.

Research Publication:

A. Journal

Manoranjan Mishra, Tamoghna Acharyya, Namita Pattnaik, Manoj Kumar Dash, **Prabhu Prasad Das** & Shailendra Kumar Mishra (2022): The long-term frequency and intensity of cyclonic storms and associated losses in Odisha, India. Environmental Hazards, 1-14. <https://doi.org/10.1080/17477891.2022.2069665>.

Conference/Seminar/Workshop/Symposia Participated and Presented:

Dr. Biraja Prasad Das: Participated in an online seminar series on “Diffusion modelling to determine timescale of processes (Diffusion chronometry) on 24th March-, 28th April- and 25th May-2022 organized by Ruhr-Universität Bochum, Institut für Geologie, Mineralogie und Geophysik Universitätsstrasse, 15044780, Bochum, Germany.

Faculty Development Programme Attended:

1. **Dr. Biraja Prasad Das:** Successfully completed a 4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from 20 May to 18 June, 2022 organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, and obtained Grade A+.

DEPARTMENT OF MATERIAL SCIENCE

Research Publication:

1. **Yashabanta N. Singhababu,** Pravin N. Didwal, Kyunghoon Jang, Jaewon Jang, Chan-Jin Park, and Moon-Ho Ham, Green Synthesis of a Reduced-Graphene-Oxide Wrapped

Nickel Oxide Nano-Composite as an Anode For HighPerformance Lithium-Ion Batteries, ChemistrySelect, doi.org/10.1002/slct.202200676

2. **Gopal Hansdah**, Madhumita Raul, Pyroelectricity with an extra-polarization effect in AlN/GaN heterostructures, Materialstoday proceedings, DOI10.1016/j.matpr.2020.12.1172

Faculty Development Programme Attended:

1. Dr. Yashabanta Narayan Singhbabu: Attended Faculty Induction Programme (FIP) (20th APR-19th MAY-2022)

Project

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
1	Natural and sustainable natural Carbon Source derived reduced graphene oxide-Polymer composite as a smart and environment friendly anticorrosive coating material for metals and alloys in Sea water environment	Odisha State Higher Education	Rs.4,42,000	02 years	Dr.Yashabanta Narayan Singhbabu

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 inPre- Ph.D. The motto of the Department is to create a Noble 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 far as possible.

Research Publication:

A. Journal

Sl. No	Name of the Authors	Title	Journal	Volume	Page
1	Prof. B. Mahapatra	“Kathasilpi Manoj Dasnka Upanyasa: Sankshipta Parichaya”	JHANKAR	Sept - 2021	544 to 547
2	Prof. B. Mahapatra	Paribesa Utika Upanyasa Sthabara Jangal : Eka Akalana	GOKARNIKA ISSN-2455-6041	Oct-Nov-2021	40 to 50
3	Prof. B. Mahapatra	Kabi hemanta Routnka Kabya Manasa: Eka	PAHACHA	Puja Issue	260 to 264

		Akalana			
4	Prof. B. Mahapatra	Galpakar Purnananda Dani	JANASUDHA	Puja Issue	43 to 50
5	Prof. B. Mahapatra	Kabya Nayekara Sarirabhase : Prasanga Indumati Swayambar	JANSUDHA ISSN-2321-9890	April-2022	14 to 17
6	Prof. B. Mahapatra	Magnamati O Bimugdha Pallira Mantra Patha: Narayana Pandanka Kabita	DIGBALAYA	April-2022	34 to 41
7	Prof. B. Mahapatra	Odia Sahityare Seiba Chetana	RUDRAJYOTI	May- 2022	14 to 17
8	Dr. Sisira Behera	Kabi Pratikhya Jena nka Se Mate Janha Kahe Eka Pathakiya Pratikriya	Rebati	July-2021	8 to 9
9	Dr. Sisira Behera	Gyana O Sankalpa Ra Pari Bhasa: Bhramana O Parjyatan	Rebati	Aug-2021	8 to 9
10	Dr. Sisira Behera	Utkal Nirmata Madhusudan Das	International Journal of Hindi ISSN- 2455-2232	Peer Reviewed Journal Aug-2021	130 to 135
11	Dr. Sisira Behera	Charya Gitika: Odia Bhasa Ka Prachin Roop	Vidyawarta ISSN- 2319-9318	Peer Reviewed Journal Sept-2021	144 to 153
12	Dr. Sisira Behera	Prasanga: Odia Atma Katha	Shodh-Rityu ISSN- 2454-6283	Peer Reviewed Journal July-Sept-2021	24 to 25
13	Dr. Sisira Behera	Odia Biratwa Ra Samara Smaraki: Paika Akhada	Rebati	Sept-2021	8 to 9
14	Dr. Sisira Behera	Padisha Muha Re Odisha Katha	Sambad Special Issue	Oct-2021	93 to 99
15	Dr. Sisira Behera	Kendujhar Ra Bhumi Putra: Pandita Madan Mohan Mishra	Rebati	Oct-2021	8 to 9
16	Dr. Sisira Behera	Odisha Ra Jangal Re	Sourava	Oct-2021	109 to 120
17	Dr. Sisira Behera	Nirmal Nirbhika Sampadakya Anuchinta	Rebati	Nov-2021	8 to 9
18	Dr. Sisira Behera	Jibana Jataka ra Ganaka Banama Rebati ra Kabi	Rebati	Dec-2021	8 to 9
19	Dr. Sisira Behera	British Upanibesa Ra Kala Etihase: Kala Pani	Rebati	Jan-2022	8 to 9
20	Dr. Sisira Behera	Manaba Jibana O Kathakar Manoj Das	Mahanadi ISSN- 2454-6747	Jan-2022	91 to 103
21	Dr. Sisira Behera	Manabika Sambedana Ra Stapati: Galpika Tarunakanti	Rebati	Feb-2022	8 & 10
22	Dr. Sisira Behera	Sarjana Silata Ra Swacha Paribhasa: Rebati Ra Sesha Prustha	Rebati	Mar-2022	8 & 10
23	Dr. Sisira Behera	Linga Upasana O Sibamaya Jagata	Rebati	April-2022	8 & 10
24	Dr. Sisira Behera	Biswa Jiban Ababodha : Sampadika Subasini Jena	Rebati	May-2022	8 & 10

Conference/Seminar/Workshop/Symposia Participated and Presented:

Prof. Babrubahan Mahapatra

1. Presided over the National webinar - topic Itihasa ra Nutana Anwesha: Prasanga Sampratika Odia Nataka held on 18 July 2021.
2. Presided over the International webinar - topic “ Mahabharata ra Charitra Charjya: Byasa O Sarala” held on 17 Aug 2021.
3. National Seminar – 3 Dec 2021 attended as Chief Speaker topic “Adhunika Odia Katha Sahitya ra Drusti O Darsana” Govt. Women’s College Keonjhar.
4. National Seminar - 9 Jan 2022 attended as Chief Speaker topic “ Sampratika Odia Kabita Ra Stiti O Bhabiswata” Odisha Sahitya Akademi, Sambalpur.
5. International Mother Language Day – President 21 Feb 2022, PG Department of Odia MSCB University, Keonjhar Campus.
6. National Seminar – 11 March 2022, President Over the Seminar topic “Myth ra Nabikarana O Sampratika Odia Sahitya” MSCB University, Keonjhar.
7. Participated as speaker in the Doordorsan programme on Bidagdha kabi Abhimanyu. held on 25 March 2022
8. Attended as Chief Speaker .01 April 2022 in “ Gangadhar Sraddha Divas” Organised by Gangadhar Meher Club, Barpali
9. National webinar - Participated as Chief Speaker – 28 March 2022, topic “ Swadhinata Parabarti Odia Kabita Re Pratika O Chitra Kalpa” Kolhan University, Jharkhand.
10. Presided Over the Pre-ph.D Seminars held on 9 April 2022 & 23 April 2022.
11. Attended as Chief Guest 19 April 2022, in ‘Career guidance fair’ Organised by Plan India Organisation at Laxminarayan College, Pipilia.
12. Deliver a talk on “Post 1947 Odia short Story” at Berhampur University, 14 May 2022.

Dr. Sisira Behera

1. Co-ordinator International webinar - topic “ Mahabharata ra Charitra Charjya: Byasa O Sarala” held on 17 Aug 2021, MSCB University, Keonjhar Campus.
2. National Seminar - 25 Dec 2021, Paper presentation, topic “Radhanath Rathnka Bhramana Sahitya” – Sahitya Akademi, New Delhi.
3. National Seminar – 8 Jan-2022, attended as Chief Speaker, topic “ Odia Bhasa Sahitya Gathana re Kendujhar ra Bhumika” – Odisha Sahitya Akademi, Sanskruti Bhawan, Keonjhar.
4. National Seminar – 11 Mar-2022, Co-ordinator, topic “ Myth ra Nabikarana O Sampratika Odia Sahitya” MSCB University, Keonjhar.
5. National Seminar – 10 April 2022, Co-ordinator, topic “ Fakir Mohan nka Sishu Sahitya”- Fakir Mohan Senapati Foundation, New Delhi.
6. National Seminar – 9 June 2022 attended as Chief Speaker, topic “ Swami Vivekananda nka Sahitya Darsan” – Swami Vivekananda Loka Sansada, Nayagarh.

Faculty Development Programme Attended:

1. Two week FDP, Ravenshaw University, June 16 – 30, 2021.
2. Five days FDP, Rama Devi Women’s University, July 7 – 11, 2021.

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

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted / Awarded)
1	Sambit Subhankar Khuntia	Senapati Pradumna Keshari nka kabya Jagata: Eka Anusilan	Prof. Babrubahan Mahapatra	Submitted
2	Swarnaprabha Khatua	Kabi Sailaja Rabinka Kabya Manas: Eka Adhyayana	Prof. Babrubahan Mahapatra	Submitted
3	Manoranjana Rout	Odia Sahitya ra Ananya Gadya Silpi Krushna Chandra Panigrahi: Eka Adhyayan	Dr. Sisira Behera	Awarded
4	Deepak Kumar Behera	Ashi Dasaka Parabarti Odia Galpa Re Mati Moha	Dr. Sisira Behera	Awarded

B. M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted / Awarded)
1	Utkal Keshari Panda	1980 Parabarti Odia Natakare Loka Upadan	Prof. Babrubahan Mahapatra	Submitted
2	Sanjiv Kumar Mallick	Hrusukesh Pandanka Galpakala: Eka Anusilana	Prof. Babrubahan Mahapatra	Submitted
3	Khusbun Nisha	Odia Sahitya Ku Islam Katipayanka Abadan	Dr. Sisira Behera	Submitted

Project

Sl. No.	Title of the Project	Funding Agency	Amount in Rs.	Duration	PI/Co-PI
01	Uttara Odisha re Utkrasta Loka Kala Jhumar: Eka Sanskrutika Anusilana	OURIIP SEED FUND	4.52 Lakh	2Years	PI(Dr. Sisira Behera)

DEPARTMENT OF SANSKRIT

The Department of Sanskrit was started at Keonjhar Campus of MSCB University (erstwhile North Orissa University) in July 2017. Currently the department has two regular faculty members– Professor Hiralal Dash, head of the department and Dr.Nibedita Pati, assistant

Professor. There are three regular courses being offered by the department, namely P.G., M.Phil. and Pre.Ph.D. There are 36 students currently enrolled in pg course out of a total of 40 seats. In M. Phil 3 students have been admitted against 3 seats. 20 students have been admitted in the Pre.Ph.D course work against 20 Seats.

B. Research Publication(Journal)

Professor Hiralal Dash

1. A research article entitled **कालिदाससाहित्ये पशुपक्षिणां सङ्गीतकलायाः परिशीलनम्** in “**Sodhajyotih**” a peer reviewed research journal, Published by Dept. of Sanskrit, Shree Somanath Sanskrit University, Gujrat in January-December 2021 with ISSN 2350- 0700. Page No. 25-38.

Dr Nibedita Pati

1. “*Navakalevarasya Pauranikollekhah*”, International Journal of Sanskrit Research, Ananta, (Vol. 7, Issue 6. Part C), ISSN: 2394-7519, December 2021, Pp.142-144

Conference/Seminar/Workshop/Symposia Participated and Presented:

Professor Hiralal Dash

1. Attended one day **National Seminar** on “**शब्दशक्तिविमर्शः**” Organized by the P.G dept. of Sahitya, Central Sanskrit University, Sriraghunath Campus, Devprayag, Uttarakhand, on 21 February 2021 and presented a paper entitled “**लक्षणाशक्तेः सम्बन्धाः तस्याः षड्भेदाश्च.**”
2. Attended Two Day **National Webinar** on “**आयुर्वेदः आधुनिकजीवनञ्च**” – Ayurveda and Modern Life Organized by the Dept. of Sanskrit (U.G & P.G) Prabhat Kumar College, Contai, Purba Medenipur, West Bengal, on 3 September 2021 and presented a paper entitled “**चरकसंहितायाम् आयुर्वेदस्य लक्षणम्, विविधरोगाः तन्निवारणोपायाश्च.**”
3. Attended One Day **National Webinar** on “**Indian Knowledge Systems**” – **भारतीयज्ञानपरम्पराः** Organized by the Dept. of Sanskrit in collaboration with Dept. of History, Dharanidhar Autonomous college, Keonjhar, Odisha on 24 September 2021 and presented a paper entitled “**अभिज्ञानशाकुन्तले ज्ञानपरम्परायाः स्वरूपम् – एका विहङ्गमदृष्टिः.**”
4. Attended Two Days **International Seminar** on “**Social Welfare Through Sanskrit**” organized by the P.G dept. of Sanskrit, Utkal University, Vani Vihar, Bhubaneswar, Odisha on 17– 18 December 2021 and presented a paper entitled “**श्रीमद्भगवद्गीतायां कर्मयोगस्य स्वरूपम्**”

Dr Nibedita Pati

1. Presented a paper entitled “*MAYURABHATTAKRTASYA SURYASATAKAKAVYE ALAMKARAVIMARSAH*” in the webinar organised by R. D. Women’s University, BBSR on 1–2 September 2021.
2. Attended Two Days **International Seminar** on “**Social Welfare Through Sanskrit**” organized by the P.G dept. of Sanskrit, Utkal University, Vani Vihar, Bhubaneswar, Odisha on December 17–18 2021 and presented a paper entitled “*HUMAN EXCELLENCE IN SRIMADBHAGAVADGITA*”.

3. Presented a paper entitled as “*KUSABHADRAMAHAKAVYE DHVANITATTVA-PARISILANAM*” in 3rd Eastern India Oriental Conference on 18-19 December 2021.

Book Publication(Prof.Hiralal Dash)

1. *KavyasastreSampradayavadavimarsha* is published by Tatwamasi Publication, Baripada, Mayurbhanj in January 14 2021 (ISBN 978-93-5437-569-9.)

Faculty Development Programme Attended:

Dr Nibedita Pati

Participated in Refresher Programme organised by Ramanujan College, Delhi University from 22-04-2022 to 06-05-2022 and obtained “A” Grade.

Participated in Refresher Programme organised by Ramanujan College, Delhi University from 20-08-2021 to 03-09-2021 and obtained “A+” Grade.

Participated in Online Faculty Development Programme organised by Ramadevi Women’s University from 07-07-2021 to 11-07-2021.

Research Activity (Guidance)

A. Ph.D.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted / Awarded)
1’	Kabita Ray	Agriculture And Management in Arthashastra	Prof.Hiralal Dash	Awarded
2.	Alisha Biswal	<i>A critical study on Sanskrit short poems of P.K. Mishra</i>	Dr. Nibedita Pati	Awarded
3.	Priyanka Mohanta	<i>A Critical Study on the Mahakavya and Khandakavya of Prafulla Kumar Mishra</i>	Dr. Nibedita Pati	Awarded
4.	Nilimesh Mahanta	<i>The Sanskrit Poetry of Prafulla Kumar Mishra and Sitanath Acharya</i>	Dr. Nibedita Pati	Awarded

B. M.Phil.

Sl. No	Name of the Candidate	Title	Supervisor	Status (Submitted / Awarded)
1	Miss Prativa Dash	SrikrishnamisravirachitasyaPrabodha chandraprakaranasyasahityasastradis asamiksatmakamadhyayanam	Prof.Hiralal Dash	Submitted
2	Itishree Biswal	Kautilyarthasastresamupavarnitahraj anitivyavasthahekamadhyayanam	Prof.Hiralal Dash	Submitted
3	Rashmi Ranjan Panda	ManuyajnavalkayasmrttauDayadhikar avimarsah	Dr. Nibedita Pati	Submitted

EXAMINATIONS

DETAILS RESULT STATISTICS FOR U.G. FINAL SEMESTER (CBCS)-(REG./Back)-EXAMINATION-2021

SL.NO	SUBJECT	ENROLL	ABS	P A S S W I T H G R A D E												PASS	FAIL	WHO	MP	%AGE
				OD	O	A+D	A+	AD	A	B+D	B+	BD	B	C	P					
1	ARTS GENERAL	2821	3					6		349	21		815	208	5	1404	97	1317		93.53
ARTS HONS																				
2	ANTHROPOLOGY	130				10		36	1	34	12		9			102		28		100
3	ECONOMICS	680	1			2		23	2	87	32	25	155	49	1	376	19	284		95.18
4	EDUCATION	803		2		106		330	9	157	53	1	19			677	4	122		99.41
5	ENGLISH	330						7	1	50	2	10	54	29	3	156	5	169		96.89
6	GEOGRAPHY	13						2		4	5					11		2		100
7	HINDI	31				1		4		4	3		3			15		16		100
8	HISTORY	1141	2			1		67	5	267	50	22	378	67		857	14	268		98.39
9	HOME SCIENCE	125		1		49	4	39	1		2					96	2	27		97.25
10	MATHEMATICS	4										1				1		3		100
11	ODIA	906				5		195	5	303	81	10	148	12		759	6	141		99.21
12	PHILOSOPHY	194	2					21		53	15	2	27	1		119	1	72		99.16
13	POLITICAL SC.	1190	1			1		110	3	398	65	28	302	38		945	13	231		98.64
14	PSYCHOLOGY	42		2		9		9	1	9	2					32	2	8		94.11
15	SANSKRIT	561				24		162	4	109	48	7	77	11		442	10	109		97.78
16	SOCIOLOGY	132				7		51	2	31	7	1	19			113	1	18		99.12
ARTS(PASS & HONS)		9103	9	5		215	4	1062	34	1855	398	107	2001	415	9	6105	174	2815		97.22
17	SCIENCE GEN	957	1					6	2	112	56		263	28		467	11	478		97.69

SCIENCE HONS

18	BOTANY	569		1		41		148	15	105	33	3	32			378	3	188		99.21
19	CHEMISTRY	619	1			5		80	3	122	57	7	29			303	4	311		98.69
20	GEOLOGY	199				37	1	55	7	7	12		1			120	4	75		96.77
21	MATHEMATICS	349	1	1		19	1	67	6	67	16	9	34			220	4	124		98.21
22	PHYSICS	663		3		78	2	103	13	112	36	3	34	1		385	4	274		98.97
23	ZOOLOGY	655		1		51		200	6	160	31	10	24			483	1	171		99.79
24	COMPUTER SC	169				34	1	19	5	17	2					78		91		100
25	MICROBIOLOGY	18				1		6	1	3	1	1				13		5		100
SCIENCE(PASS & HONS)		4198	3	6		266	5	684	58	705	244	33	417	29		2447	31	1717		98.74
26	COMMERCE GEN	223						1		18	8		68	10		105	5	113		95.45
COMMERCE HONS																				
27	ACCOUNTING	572	1			5		34		63	37	2	65	9		215	7	349		96.84
28	FINANCE	5																5		
29	MANAGEMENT	14												1		1		13		100
COMMERCE(PASS & HONS)		814	1			5		35		81	45	2	133	20		321	12	480		96.39
TOTAL		14115	13	11		486	9	1781	92	2641	687	142	2551	464	9	8873	217	5012		97.61

Result of Post Graduation Examination for the session 2021

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	8	8	100
2	M.Sc. Biotechnology	M.Sc.-BT	29	29	100
3	M.Sc. Botany	M.Sc.-BOT	27	27	100
4	M.Sc. Chemistry	M.Sc.-CH	28	28	100
5	Master of Computer Application	MCA	23	23	100
6	M.Sc. Computer Science	M.Sc.-CS	18	18	100
7	M.A. Economics	M.A.-ECO	37	36	97.14
8	M.A. English	M.A.-ENG	71	71	100
9	M.Sc. Geology	M.Sc.-GL	29	27	93.1
10	M.Sc. Material Science	M.Sc.-MS	11	11	100
11	M.A. Odia	M.A.-ODI	75	75	100
12	M.Sc. Physics	M.Sc.-PHY	27	26	96.29
13	M.A. Sanskrit	M.A.-SANS	68	67	98.43
14	M.A. Santali	M.A.-SNT	7	7	100
15	M. Sc. Wildlife and Biodiversity Conservation	M.Sc.-WLBC	25	25	100
16	M.Sc Zoology	M.Sc.-ZO	25	24	96
17	Master of Business Administration	MBA	30	30	100
18	Integraed B.Ed.-M.Ed.	M.A./M.Sc.-IBM	45	45	100
19	M.A. Education	M.A.-EDN	66	66	100
20	M.A/M. Sc. Mathematics	M.A/M.Sc-MATH	29	28	96.15
21	M. A. Social Work	MSW	13	13	100
22	M.A. Hindi	M.A.-HN	6	6	100
23	Master Library & Information Science	MLIS	21	21	100
24	M.Sc. Remote Sensing & GIS	M.Sc.-RSGIS	17	17	100

25	M.A./ M.Sc. Yoga and Naturopathy	M.A/M.Sc-YN	14	14	100
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Result of Professional Courses for the session 2021

Sl. No.	Course Name	Number of Students appeared in the final semester examination	Number of students passed in final Semester/Examination examination	Pass Percentage
1	MBBS	100	90	90
2	LLB	361	315	100
3	BHMS	30	30	100
4	Spl. B. Ed.	39	39	100
5	B. Ed.	181	181	100

Ph. D. Awarded during the session 2021-22

Sl. No.	Name of subject	No. of Awardees
1	Odia	18
2	English	02
3	Sanskrit	05
4	Political Science	01
5	History	02
6	Philosophy	02
7	Economics	01
8	Mathematics	01
9	Mathematics	01
10	Chemistry	02
11	Botany	01
12	Zoology	05
13	Life Science	03
14	Computer Science	01
15	Physics	03
16	Education	04
	Total:-	52

ACCOUNT STATEMENT FOR THE FINANCIAL YEAR 2020-21 AT A GLANCE (BOTH RECEIPT & EXPENDITURE)

Sl. No.	Name of the Fund	Source of Receipt	Units	Opening Balance as on 01.4.20	Receipt				Total Amount Available (5+9)	Expenditure			Closing Balance as on 31.03.21 (10-13)
					Total Receipt During the year	Amount through Transfer/ Diversion	Amount. through Interest & Other sources	Total Redceipt (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	14,49,50,820	21,13,00,000	0	74,58,751	21,87,58,751	36,37,09,571	10,65,81,111	2,10,67,368	12,76,48,479	23,60,61,092
		(ii) Other Receipts	Other mixed receipts from different sources & dev. construction works	21,86,78,758	6,51,66,275	42,89,900	49,11,224	7,43,67,399	29,30,46,157	9,18,90,825	0	9,18,90,825	20,11,55,332
		(iii) Pension	Pension to retired employees of NOU	3,99,08,440	5,00,115	2,00,00,000	7,84,473	2,12,84,588	6,11,93,028	2,93,57,678	0	2,93,57,678	3,18,35,350
		(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	0	0	0	0	20,000	0	0	0	20,000
		(vi) Research Project & Others	DST FIST, BIF, Fellowship, Research Project etc.	39,54,069	0	0	0	0	39,54,069	0	0	0	39,54,069
			Research Project & Fellowship	1,04,68,582	65,77,072	23,242	4,28,746	70,29,060	1,74,97,642	34,48,939	0	34,48,939	1,40,48,703
		(vii) ICSSR - 0877	Research Project, Seminar & Fellowship	0	1,67,500	0	776	1,68,276	1,68,276	1,67,589	0	1,67,589	687
		(viii) RUSA	Infrastructur development and others	3,76,04,238	0	0	10,17,349	10,17,349	3,86,21,587	61,30,605	23,49,521	84,80,126	3,01,41,461
		(ix) NOU (IDP) OHEPEE	Research Grant	1,65,00,000	2,10,00,000	0	8,62,091	2,18,62,091	3,83,62,091	19,66,203	28,03,174	47,69,377	3,35,92,714
		(x) GeM Pool	Payment to different firms through GeM	0	0	54,52,695	26,364	54,79,059	54,79,059	1,47,500	0	1,47,500	53,31,559
		(xi) Inter National Cell	Travel Grant	27,287	0	0	849	849	28,136	0	0	0	28,136
		(xii) College Development Council (CDC)	College Development	12,35,559	3,51,630	0	38,018	3,89,648	16,25,207	1,27,000	0	1,27,000	14,98,207
	Gen. Fund-II (Out Sources)	(xiii) UGC grant	Construction development works & others	2,32,16,025	660	0	21,18,651	21,19,311	2,53,35,336	72,500	23,242	95,742	2,52,39,594
		(Xiv) ASC Account	UGC Refresher course & Regn. Fees	1,57,572	0	0	4,873	4,873	1,62,445	0	0	0	1,62,445

2	Gen. Fund-III (Own Sources)	(xv) Exam. Source	Exam. Source	24,44,26,307	4,29,72,822	0	1,71,32,556	6,01,05,378	30,45,31,685	2,79,82,301	3,00,000	2,82,82,301	27,62,49,384
		(xvi) Convocation Source	Certificate Fees	2,89,27,468	6,66,285	0	17,39,115	24,05,400	3,13,32,868	48,761	0	48,761	3,12,84,107
		(xvii) Sports Source	Sports Fees	1,03,29,213	30,49,865	0	3,77,048	34,26,913	1,37,56,126	55,100	0	55,100	1,37,01,026
		(xviii) SFC Account	Course fees,exam fees & other fees	9,98,29,718	1,90,45,108	0	53,10,672	2,43,55,780	12,41,85,498	1,74,55,267	2,61,900	1,77,17,167	10,64,68,331
		(xix) DDCE Account	Course fees,exam fees & sale of forms	26,38,57,895	73,34,609	0	1,55,89,538	2,29,24,147	28,67,82,042	80,22,362	40,28,000	1,20,50,362	27,47,31,680
		(xx) PGC Account	Certificate Fees & exam fees	5,06,70,282	1,01,90,831	0	18,07,849	1,19,98,680	6,26,68,962	12,74,671	0	12,74,671	6,13,94,291
	Foundation Fund	(xxi) Dev. Account	N/R Academic fees	1,44,15,263	0	0	10,90,053	10,90,053	1,55,05,316	0	0	0	1,55,05,316
		(iixxii) Gold Medal Source	Gold Medal	21,91,334	0	0	1,10,817	1,10,817	23,02,151	63,501	0	63,501	22,38,650
		(xxiii) Corpus Fund		2,28,98,597	0	0	16,22,212	16,22,212	2,45,20,809	0	0	0	2,45,20,809
		(xxiv) Foundation Fund		2,77,17,986	0	0	31,27,608	31,27,608	3,08,45,594	0	0	0	3,08,45,594
GRAND TOTAL :-				1,26,20,04,174	38,83,22,772	2,97,65,837	6,55,59,633	48,36,48,242	1,74,56,52,411	29,47,91,913	3,08,33,205	32,56,25,118	1,42,00,27,293

BUDGET AT A GLANCE 2020-21 & 2021-2022

Sl. No	Source	RECEIPT				EXPENDITURE			
		Actuals 2020-21	Proposed 2021-22	Revised 2021-22	Budget Estimated 2022-23	Actuals 2020-21	Proposed 2021-22	Revised 2021-22	Budget Estimated 2022-23
1	General Fund - I								
	(i) Govt. Grant Salary	206300000	138258223	138258223	315980594	119653784	138258223	138258223	315980594
	(ii) Pension to retired employees	500115	27375368	27375368	19528806	29357678	27375368	27375368	19528806
	(iii) Govt./Own Grant office expenditure	5000000	118867296	118867296	36987590	7994695	118827296	118827296	36987590
	(iv) Post Metric Scholarship /Scholarship to Meritorios Students	0	500000	500000	500000	0	500000	500000	500000
	(v) Collge Development Council (CDC)	351630	350000	350000	350000	127000	350000	350000	350000
	(vi) New Work & Development works (State Grant/ UGC/Govt. & Own source)	65166275	816712080	816712080	588278200	91890825	816712080	816712080	588278200
2	General Fund- II (Out Side Sources)								
	(i) RUSA	0	27000000	23535025	23535025	8480126	27000000	23535025	23535025
	(ii) Development Work (15th F. C.)	0	630000000	630000000	630000000	0	630000000	630000000	630000000
	(iii) University Grants Commission (UGC)	660	70400000	70400000	70400000	95742	70400000	70400000	70400000
	(iv) GeM Pool	0	0	0	0	147500	0	0	0

	(iv) IDP Cell	21000000	20000000	20000000	37000000	4769377	20000000	20000000	37000000
	(v) ASC (Refresher Course/Faculty improvement Programme)	0	1000000	1000000	1000000	0	1000000	1000000	1000000
	(vi) Project Work	4684780	208547613	45112420	208044451	2555887	208547613	45112420	208044451
	(vii) Different Fellowship, DST FIST,etc.	1892292	91140000	91840000	91890000	893052	91140000	91840000	91890000
	(viii) ICSSR Project	167500	0	0	0	167589	0	0	0
	(ix) Seeds Money for R. P as own source	0	1000000	1000000	1000000	0	1000000	1000000	1000000
	(x) National Seminar for Department of MSCBU	0	1150000	1150000	4600000	0	1150000	1150000	4600000
	(xi)National Seminar & Inter National Seminer for Students & Teaching Staff of MSCBU	0	2000000	2000000	2000000	0	2000000	2000000	2000000
	(xii) International Cell	0	3000000	3000000	3000000	0	3000000	3000000	3000000
3	General Fund- III (Own Sources)								
	(i) Examination	42972822	64450000	63400000	66600000	28282301	64450000	63400000	66600000
	(ii) P.G.Council	10190831	12460000	10311000	13491000	1274671	12460000	10311000	13491000
	(iii) Sports Council	3049865	2500000	2700000	3445000	55100	2500000	2700000	3445000

	(iv) Convocation	666285	3330000	3230000	1650000	48761	3330000	3230000	1650000
	(v) Self Financing Courses	19045108	28960000	26345000	23160000	17717167	28960000	26345000	23160000
	(vi) Distance Education	7334609	40791000	40493000	59737000	12050362	40891000	40493000	59737000
4	Foundation Fund								
	(i) Gold Medal	0	400000	400000	400000	63501	400000	400000	400000
	(ii) Dev. Fund Processing & Academic Fees	0	400000	400000	400000	0	400000	400000	400000
	(iii) Corpus Fund	0	0	0	0	0	0	0	0
	(iv) Foundation Fund	0	0	0	0	0	0	0	0
	Grand Total :	388322772	2311291580	2139079412	2203677666	325625118	2311351580	2139039412	2203677666

INFRASTRUCTURE

Sl. No.	Name of Infrastructure	Campus	Estimated cost (Rs. in Lakh)	Status of building i.e. Complete/ Incomplete	Source
1	Administrative Building	Main Campus, Baripada	112	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	Main Campus Baripada	69.69	Completed on 31.01.2004\ (850 Sq m.)	MPLAD Rs. 25 Lakh own sources Rs. 44.69 lakh
3	Central Library	Main Campus Baripada	56.61	Completed on October, 2004 (902 Sq m.)	MPLAD Rs. 25.0 Lakh and rest from own sources
4	Students Cultural Centre	Main Campus Baripada	3.08	Completed on 08.05.2003	Own Sou4rces
5	Laboratory building	Main Campus Baripada	25.00	Completed on 11.02.2002 (375.1 Sq m.)	Own Sources
6	Academic Block	Main Campus Baripada	24.46	Completed on 09.12.2005 (385 Sq m.)	Own Sources
7	Department of Physics	Main Campus Baripada	189.95	Completed (1417.00 Sq. m.)	12 th F.C. Govt. of Odisha
8	2 nd Laboratory Building	Main Campus Baripada	30.04	Completed (375.10 Sq m.)	12 th F.C. Govt. of Odisha
9	Extension of Administrative Building	Main Campus Baripada	121.75	Completed on Nov-2009 (1527 Sq m.)	12 th F.C. Govt. of Odisha
10	Compound Wall	Main Campus Baripada	123.23	Completed (4.32 km approx.)	12 th F.C. Govt. of Odisha
11	Department of Botany	Main Campus Baripada	241.86	Completed (2115.00 Sq m.)	12 th F.C. Govt. of Odisha
12	Department Chemistry	Main Campus Baripada	287.00	Completed (2435.00 Sq m.)	12 th F.C. Govt. of Odisha
13	Department Zoology	Main Campus Baripada	287.00	Completed (2435.00 Sq m)	12 th F.C. Govt. of Odisha
14	Ladies Hostel	Main Campus Baripada	150.72	Completed (25,899.00 Sq. m.)	12 th F.C. Govt. of Odisha
15	Lecture Quarters(2 nos)	Main Campus Baripada	117.9	Completed (7360.00 Sq m.)	UGC
16	Women's Hostel	Main Campus Baripada	68.92	Completed (395 Sq m.)	UGC
17	104. Seated Student Hostel	Main Campus Baripada	219.00	Completed	UGC-120, 12 th FC-49 Own Sources-50
18	Academic Block-II	Main Campus Baripada	29.67	Completed (385.00 Sq m.)	Govt. of Odisha and Own resources
19	Pump House near administrative block	Main Campus Baripada	02.66	Completed (220.00 Sq m.)	Own resources
20	Pump House Near Academic Block	Main Campus Baripada	11.78	Completed	UGC
21	Pump House at Ladies Hostel Campus	Main Campus Baripada	12.29	Completed	Own resources
22	Pump House at Gents	Main Campus	9.25	Completed	12 th F.C. Govt. of Odisha

	Hostel Campus	Baripada			
23	Substation near administrative building	Main Campus Baripada	5.29	Completed	Own resources
24	Substation near academic block buildings	Main Campus Baripada	20.18	Completed	Interest of 12 th F.C.
25	Substation at ladies Hostel Campus	Main Campus Baripada	16.12	Completed	Own resources
26	Substation at Gents Hostel Campus	Main Campus Baripada	3.57	Completed	Own resources
27	M.Phil& Research scholars student Hostel	Main Campus Baripada	34.00	Completed	UGC
28	Botanical Garden	Main Campus Baripada	7.00	Completed	Ministry of Environment & forest , Govt. of India
29	Main Gate	Main Campus Baripada	100.98	Completed	12 th Finance-Rs. 70.66 , own sources -Rs. 30.32
30	Central Canteen	Main Campus Baripada	20.00	Completed	UGC
31	Guest House	Main Campus Baripada	117.15	Completed	UGC- Rs. 53.00 & own sources – Rs. 64.15
32	External Electrification of Guest House	Main Campus Baripada	9.54	Completed	own sources
33	Vice-Chancellor's Residence	Main Campus Baripada	100.00	Completed	12 th Plan UGC Grant
34	Six nos. Lecturer Quarters (3R-type)	Main Campus Baripada	100.00	Completed	12 th Plan UGC Grant
35	Computer Centre building	Main Campus Baripada	70.00	Completed	12 th Plan UGC Grant
36	Department of Computer Application	Main Campus	130.00	Completed	12 the Plan UGC Grant
37	Basic Facilities for Women building	Main Campus Baripada	43.34	Completed	UGC
38	Boundary wall to the play ground	Main Campus Baripada	63.43	Completed	UGC-Rs. 25.00 own sources-Rs.38.43
39	Women Utility Centre inside ladies hostel campus	Main Campus Baripada	7.89	Completed	UGC
40	Visitors room inside ladies Hostel campus	Main Campus Baripada	3.71	Completed	UGC
41	Outdoor Gymnasium at ladies Hostel Campus	Main Campus Baripada	2.62	Completed	Own Sources
42	Construction of 1000 seated Convention Hall	Main Campus Baripada	1013.86	Completed	Infrastructure Development Grant, Govt. of Odisha
43	200 Seated Conference hall Annexure portion of Convention Hall	Main Campus Baripada	1.75	Completed	RUSA
44	Construction of 200 seated Ladies Hostel	Main Campus Baripada	569.90	Completed	Infrastructure Development Grant, Govt. of Odisha
45	Boundary wall near M.Phil..Hostel & Staff Quarter	Main Campus Baripada	37.70	Completed	Infrastructure Development Grant, Govt. of Odisha
46	Boundary Wall behind	Main Campus	47.72	Work in Progress	Infrastructure Development

	the ITI Hostel	Baripada			Grant, Govt. of Odisha
47	Boundary Wall of V.C. Bungalow	Main Campus Baripada	7.58	Completed	Infrastructure Development Grant, Govt. of Odisha
48	Human Resource Development Centre Building	Main Campus Baripada	281.84	Completed	Infrastructure Development Grant, Govt. of Odisha
49	Design railing parapet in the lawn at main gate	Main Campus Baripada	15.00	Completed	Infrastructure Development Grant, Govt. of Odisha
50	Administrative Block	2 nd Campus Keonjhar	406.19	Completed	Infrastructure Development Grant, Govt. of Odisha
51	Compound Wall and Two nos. of Gate	2 nd Campus Keonjhar	145.35	Completed	Infrastructure Development Grant, Govt. of Odisha
52	6 nos. of Staff Quarter	2 nd Campus Keonjhar	69.28	Completed	Infrastructure Development Grant, Govt. of Odisha
53	Electrical Sub-Station (500KVA) and Extranal	2 nd Campus Keonjhar	42.24	Completed	Infrastructure Development Grant, Govt. of Odisha
54	Academic Block at 2 nd Campus of MSCBU, Keonjhar (Ground floor & first Floor)	2 nd Campus Keonjhar	431.98	Completed	Infrastructure Development Grant, Govt. of Odisha
55	Deep bore well with pump house and water supply system	2 nd Campus Keonjhar	46.75	Completed	Infrastructure Development Grant, Govt. of Odisha
56	Construction of 200 seated Gents Hostel	2 nd Campus Keonjhar	687.83	Work in Progress	Infrastructure Development Grant, Govt. of Odisha
57	Construction of Cycle/Motor Cycle Stand	Main Campus Baripada	9.87	Completed	RUSA
58	Social Science and Humanities Block (Ground Floor)	Main Campus Baripada	526.63	Work in Progress	RUSA
59	Boundary Wall (North Side) of MSCBU	Main Campus Baripada	55.00	Completed	Infrastructure Development Grant, Govt. of Odisha
60	Boundary Wall near Boys Hostel, MSCBU,	Main Campus Baripada	30.00	Work in progress	Infrastructure Development Grant, Govt. of Odisha
61	200 seated Gents Hostel at MSCBU, Main Campus, Baripada	Main Campus Baripada	827.76	Work in progress	Infrastructure Development Grant, Govt. of Odisha
62	3 nos 'C' Type Quarters for Registrar, COE & COF, MSCBU, Main Campus, Baripada	Main Campus Baripada	77.00	Completed	Infrastructure Development Grant, Govt. of Odisha
63	Academic Block (2 nd Floor to 5 th Floor)	2 nd Campus Keonjhar	910.59	Work in Progress	Infrastructure Development Grant, Govt. of Odisha
64	Banking Hall, ATM Counter and Post Office Building, MSCBU	Main Campus Baripada	90.00	Work in Progress	Own Recourses
65	Repair/Replace of Street Light/High Mast Light	Main Campus Baripada	8.06	Completed	Own Recourses
66	Construction of ramp in the administrative Building & Central library	Main Campus, Baripada	2.98	Work in Progress	Own Recourses
67	Construction of Gymnasium Building	Main Campus, Baripada	51.84	Completed	Own Recourses

68	Construction of main gate near HRDC Building campus	Main Campus, Baripada	2.61	Work in Progress	Own Recourses
69	Construction of Connecting C.C. Road to Gents Hostel	Main Campus, Baripada	23.25	Completed	Own Recourses
70	Construction adequate unisex accessible toilets in all buildings (Divyangjan)	Main Campus, Baripada & 2 nd Campus, Keonjhar	16.39	Work in Progress	Own Recourses
71	Construction Security room with wash room in the main gate of V.C. Residence	Main Campus , Baripada	4.84	Completed	Own Recourses
72	Construction Borewell in the Guest House	Main Campous Baripada	3.76	Completed	Own Recourses
73	Construction of Boundary Wall in the Ladies Hostel	2 nd Campus, Keonjhar	87.69	Completed	Infrastructure Development Grant, Govt. of Odisha
74	Installation of main door and grill gate at the main entrance of HRDC Building	Main Campus, Baripada	3.51	Completed	Own Recourses
75	Construction of Footpath both side road from Main gate to Admin Building	Main Campus , Baripada	10.44	Completed	Own Recourses
76	Internal Electrification in the different building from newly installed DG Set	Main Campus , Baripada	7.32	Completed	RUSA Grant
77	Repair/Replace of Water Supply pipi line to the Department of Biotechnology and CTS Building	Main Campus , Baripada	11.13	Completed	Own Recourses
78	Construction of Outdoor Stadium	Main Campus , Baripada	397.51	Work in Progress	Infrastructure Development Grant, Govt. of Odisha
79	Installation of Lighting Arrester in Central Library, Gymnasium Building and Computer Centre	Main Campus , Baripada	8.87	Work in Progress	RUSA Grant
80	Construction of design railing parapet in the lawn and development of garden near Maharaja Statue	Main Campus , Baripada	19.65	Work in Progress	Own Recourses
81	Aluminium partition of reading room & issued section in the Central Library	Main Campus, Baripada	11.51	Work in Progress	Own Recourses

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 University has built its building for central library in the campus. It has computers/ facilities with automation and it has good collection of books in different subjects, viz. Botany, Chemistry, Economics, Physics, Zoology, Wildlife and Biodiversity Conservation, Biotechnology, Computer Application, Remote Sensing & GIS, Anthropology & Tribal Studies, Bioinformatics, Law, Math & Computing, Library & Information Science, MBA, MSW, Santali, Women Studies, Nanotechnology, Sanskrit, Yoga & Naturopathy, Hindi, Braille and Simlipal Study. Besides, the University has a big collection of books on subjects of common interest.

Total number of books in the central library is 52,758. The subject-wise details are given below.

Sl. No.	Name of the subject	
1.	Botany	2228
2.	Chemistry	3545
3.	Economics	2796
4.	Physics	2891
5.	Zoology	2033
6.	Wildlife and Biodiversity Conservation	617
7.	Biotechnology	1447
8.	Computer Application	4607
9.	Remote Sensing & GIS	387
10.	Anthropology & Tribal Studies	1069
11.	Bioinformatics	174
12.	Law	1146
13.	Library & Information Science	1277
14.	Management(MBA, MFC, PMIR & Com.)	4237
15.	Oriya	9874
16.	History	659
17.	Education	1021
18.	Encyclopedia and Reference Books	2291
19.	Political Science	123
20.	Mathematics	837
21.	English	1957
22.	MSW	787
23.	Santali	862
24.	Women Studies	14
25.	M. Tech.	267
26.	Nanotechnology	37
27.	Sanskrit	3980
28.	Yoga and Naturopathy	393
29.	Hindi	234
30.	Brallie	33
31.	Similipal Study	42
32.	Geology	464
33.	Material Science	429
	Total: -	52758

NSS ACTIVITIES

1. Webinar on ‘Preventive Measure and Awareness Campaign’ to Fight Second Wave of COVID-19 Pandemic on 31st May 2021

The NSS PG Units of the MSCBDU has been organized a webinar on COVID-19 awareness program on 2nd June, 2021. In that program, the Vice Chancellor of MSCBDU along with the Chairman PG Council, Regional Director, govt. of Odisha, doctor from AIIMS Bhubaneswar, NSS Program Co-ordinator, DPO, POs of PG Units, social activists and student volunteers were participated. In this program, there were 82 numbers of participants.

2. International Yoga Day on 21st June 2021

No. Volunteers participated in Webinar- 87 including PO (Male & Female Unit), VC, Registrar, PGC, Regional director NSS, Bhubaneswar, SNO, HED, Govt. of Odisha. Yoga Instructor- Sri Akhil Chandra Rana, SOA University, Bhubaneswar.

3. World Aids Day on 1st December 2021

The NSS P.G. Unit of Maharaja Sriram Chandra Bhanja Deo University observed the International Aids Day on 1st December, 2021. In this regard, a big awareness rally was organised from the University main entrance to Takhatpur circle, where all students, faculties and non-teaching staffs of the university have been participated. Later, a meeting was conducted in which the Vice Chancellor Prof. K.K. Basa talked on the relevance of observation of international Aids day and advised for a wide circulation and campaign about it. In this program, the total number of participants were 75 including VC, Registrar, PGC, COF, POs (Male & Female Unit), and other faculty members.

4. Inauguration of “Sacred Grove” on 24th September 2021

The NSS PG Units has been organized a program on ‘Sacred Grove’ within the university campus, where more than 110 participants were attended including PO (Male & Female Unit), VC, Register, COF, PGC and chief guest Principal MPC Auto College- Padmashree Damayanti Besra.

5. National Youth Day on 12th January 2022

The NSS P.G. Unit of Maharaja Sriram Chandra Bhanja Deo University observed the National Youth Day on 12th January, 2022. In this regard, a meeting was held where all students, faculties and non-teaching staffs of the university have been participated. The chief speaker Dr. G. Pani delivered a lecture on ‘Swami Vivekananda is Young Ideal’. Later, the Vice Chancellor Prof.

K.K. Basa has encouraged the youths by delivering a speech on 'Role of Youth in Society's Progress'. The total number of participants were more than 85.

6. Distribution of Warm Clothes on 04th Feb. 2022

The NSS PG Units of MSCBD University distributed warm cloths to the needy people in Kuliana block in Mayurbhanj. The program officers, DPO and 25 student volunteers distributed the warm cloths through the guidance of VC and PGC.

7. Awareness against Anti-Witchcraft- 21st December 2021

The NSS PG Unit along with NSS Bureau MSCBDU and help of the district administration, a social awareness program on 'Anti Witchcraft' being organized. A Ratha yatra was being made to aware rural people against witchcraft.

8. Awareness against Forest Fire on 6th January 2022

MSCB University and the NSS PG Units in collaboration with Forest Department, Mayurbhanj organised a social awareness program on against the Similipal Forest Fire in the name of 'Similipal Banchao' on 6th January, 2022. In this program, the district administration, VC of the MSCBDU, DFO, NSS Programme coordinator, DPO, PO, the Principals of different affiliated colleges, faculty members of the University and other colleges, student volunteers and Print media person were participated. A Ratha yatra was being made in the surrounding of the Similipal Forest for the awareness of the local people against the forest fire.

9. International Women's Day on 8th March 2022

The NSS PG Unit along with the MSCBDU Internal Quality Assurance Cell has celebrated the International Women's Day on March 8th, 2022 with the theme 'Break the Bias'. In this program, Prof. H. Bindu, Progerssor Incharge IQAC, Prof. P.K. Satpathy, Chairman PG Council along with NSS Po and other faculty members, staffs and students were participated.