



Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	Maharaja Sriram Chandra Bhanja Deo University (formerly North Orissa University)
Name of the head of the Institution	Prof. Kishor Kumar Basa
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	06792240029
Mobile no.	9437570288
Registered Email	vconou@rediffmail.com
Alternate Email	registrarnou123@gmail.com
Address	Sriram Chandra Vihar, Takhatpur, Baripada, Mayurbhanj district, Odisha-757003
City/Town	Baripada

State/UT	Orissa
Pincode	757003
2. Institutional Status	
University	State
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Prof. Hima Bindu Maringanti
Phone no/Alternate Phone no.	06792240029
Mobile no.	9861569765
Registered Email	profhbnou2012@gmail.com
Alternate Email	iqacmscbu@gmail.com
3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://nou.nic.in/AQAR_REPORT_2018-2019.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://nou.nic.in/Academic%20Calender19-20.pdf
5. Accrediation Details	

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.05	2011	08-Jan-2011	01-Jan-2016
2	B+	2.56	2017	09-Jun-2017	08-Jun-2022

6. Date of Establishment of IQAC

01-Sep-2009

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Mentor-Mentee Interface Meeting for Principals and IQAC Coordinators of Affiliated Colleges	28-Jan-2020 2	85
NAAC Awareness Workshop sponsored by NAAC, Bangalore	09-Nov-2019 1	72
Administrative Audit	25-Apr-2019 23	3
External AG Audit	25-Apr-2019 23	3
Internal Academic Audit	05-Aug-2019 4	3

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8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of

UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	IDP	World Bank	2019 1460	2000
Biotechnology	DST-FIST	Govt of India	2016 1825	50
Chemistry	DST-FIST	Govt of India	2019 1825	60

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

Yes

If yes, mention the amount

100000

Year

2019

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Academic and Administrative audit completed Feedback and Mentoring system strengthened Handholding support provided to Mentee affiliated colleges for AA process Steps taken to advertise for Teaching and Nonteaching employee recruitment Steps taken to scrutinize the CAS promotion scheme applications

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
A digital evaluation of Ph.D. Thesis was adopted	Plagiarism checks were done on the theses prior to submission and the digital evaluation of the thesis done by both the Supervisor and the external Examiner.
Faculty and Research Scholars are motivated to publish in reputed Journals and adopt Plagiarism checks through the use of TURNITIN software	Adopted by all faculty before publishing a Research article or a scholar for submitting Ph.D thesis
Faculty are encouraged to submit Research Project proposals to funding agencies	Few Research Projects have been sanctioned
Blended mode of Learning was planned	Accomplished by offering MOOCS courses to students
Awareness workshops for NAAC, LOI and SSR	Faculty and Principals of Affiliated colleges got benefitted
AAA audit	Achieved and the report has been uploaded on the university website for the benefit of all stakeholders

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Post Graduate Council & Approved by the Vice Chancellor	26-Aug-2021
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	09-Nov-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	12-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<ul style="list-style-type: none"> • The University has a fullfledged website hosting all vital information for the information of various stakeholders. The updated Information Brochure is also available, for the sake of information regarding courses offered, eligibility criteria, fee requirement and 247 student Helpline numbers • Online applications are invited for admission into PG/M.Phil./PrePhD/ Integrated B.EdM.Ed, in addition to offline applications as the areas have very poor internet connectivity. The admit card can be downloaded from the portal on logging in, for online mode applicants. • Online examinations are conducted for students of final semester and penultimate semesters. • The process of purchase is facilitated through Government eMarket Place (GeM). • EDespatch system which is a part of eGovernance of Govt. of

Odisha is adopted for twoway official communication. • Finance automation is facilitated through Public Finance Management System(PFMS). • NOU Connect and StudentConnect have been devised through group emailing system and WhatsApp groups so also a system of ParentsConnect. • A digital system of Student Satisfaction Survey (SSS) is developed for getting an overall feedback about the functioning of the University in academic/administrative/accommodation/library/sports/primary health. • OTG (On Time Graduation) is ensured by the examination section and uploaded on the university website, thereby maintaining transparency of the batches of students whose result is published. Link: <http://www.nou.nic.in/otg.html>. • The central Library is fully automated with provision of RFID system for book issue and return, in addition to an Infrared security gate, that senses the barcode on the books. • Biometric Attendance system is installed at various pivot locations. • 139 CCTV cameras are installed in the University buildings, especially in the entrance of every building and the corridors, including the main gate, to make the campus vigilant.

Part B

CRITERION I - CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
MSc	MSc BT	Biotechnology	29/07/2019

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1.1.2 - Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
MA	Education Technology	30/07/2020	EDN 406	30/07/2019
MSc	Zoology	29/07/2019	ZO 402	29/07/2020

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1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	Applied Zoology	29/07/2019

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1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MA	13 specializations continuing	29/07/2019
MSc	12 specializations continuing	29/07/2019
BEd MED	1	30/07/2019

1.3 - Curriculum Enrichment

1.3.1 - Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Youth Empowerment programme	19/08/2019	185
Mind Matters	24/02/2020	74

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1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Biotechnology	28

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1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

Objective of the Feedback System: This feedback was designed to get valuable inputs from all the stakeholders like students, alumni, faculty members employers and parents for revision and redesigning of curricula introduced by the university. Methods: Feedback was collected through structured questionnaire method with a 5 Point Rating Scale i.e. Strongly Agree (1), Agree (2), Neutral (3), Disagree (4) and Strongly Disagree (5) administered to all stake holders like students, teachers, parents, alumni employer. Attention was given to gain information on every aspects like- library lab, course curriculum, teaching learning, infrastructure facility, IT, quality of students, availability of course curriculum to qualify NET/GATE Examinations and available of laboratory equipment etc. The explicit and specific comments were also invited from the stakeholders and were used for curricular development and improvement of the teaching learning experience. The Feedbacks were collected both on line off line basis once in a year. Analysis: The collected data of the feedback were reviewed and analyzed through a committee instituted by the IQAC. The analysis report was prepared through graphs and tables and was uploaded in the university website for the aware of the stakeholders. Majority of the students responded in a positive way regarding course contents of the syllabus as par with their expectations. However, students suggested improving the the system of experiential learning. The faculty members of the university responded positively on course contents of the syllabus, method of teaching, and availability of library books. Some faculty members suggested to take necessary steps for filling the gap between slow learners and fast learners during the induction program. The parents and alumni responded well to the questionnaire and no such adverse remarks were observed. Some of the parents suggested to conduct regular remedial teaching for SC/ST students as several first-

generation tribal students are learning in this university. The alumni and employers positively responded regarding course contents and teaching learning methods and infrastructural facility of the university. They stressed on implementation of new skill development courses in subsequent years. The analysis report was presented in IQAC meeting, and communicated to the authority for taking appropriate action as deemed fit at their end Action Taken: • Steps have already been taken to purchase new equipment for the departmental laboratories through various govt. funding schemes like RUSA and IDP, World Bank. • The faculty members attended refresher/orientation courses and faculty development programmes and equip themselves with the modes of meeting the requirements of the advanced learners. • Steps were initiated for the construction of an outdoor stadium on the University play ground. • Departmental Seminars were conducted to encourage the students towards participation in research activities and encourage organization skills. • Mentor-Mentee interaction programme has been implemented for filling the gaps between slow learners and advanced learners. • Civil Service coaching was conducted for selected aspiring candidates. • Career Counselling for various jobs were conducted orienting them towards higher education or placement or entrepreneurship.

CRITERION II - TEACHING- LEARNING AND EVALUATION

2.1 - Student Enrolment and Profile

2.1.1 - Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc	Biotechnology	30	90	30
MSc	Botany	30	585	30
MSc	Chemistry	30	597	30

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2.2 - Catering to Student Diversity

2.2.1 - Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	Nil	1617	Nil	83	83

2.3 - Teaching - Learning Process

2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
83	83	127	26	19	232

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 - Students mentoring system available in the institution? Give details. (maximum 500 words)

- The student mentoring system at the University is a three-tier student-support system. The mentor system has generated a student-friendly ecosystem at the university that has significantly enhanced the teaching learning and evaluation activities.
- The three levels of student mentoring adopted by the university are (1) Faculty (mentor)-student (mentee) interaction (2) Annual departmental analysis of student's progress (3) Data analysis at IQAC cell of the University
- At the beginning of each academic session, time tables are prepared that includes a proctorial class of 1-2 h/week to facilitate periodic mentor-mentee meetings
- Each student is assigned a teacher of their respective department on their first (induction) class who becomes their mentor. Mentors guide their mentees through day to day curricular and extracurricular activities. The record of mentor-mentee meetings are registered by the mentee throughout the year and submitted to the head at the end of the academic session. In proctorial class, every student is asked to discuss freely on the problems he/she is facing in their day to day curricular, co-curricular and extra-curricular activities which also includes their campus life and personality development. Mentors give them useful suggestions to overcome their problems that is continually monitored
- At the end of each academic session, data from mentors in each department are compiled and summary of the analysis in tabular format is submitted to the IQAC department of the University
- At the University IQAC, mentoring data from all the departments are analyzed to determine the parameters such as (1) mentor:mentee ratio, (2) Major areas in which students need guidance, (3) Important problems on which teachers and administrators need to stress upon and (4) Number of students benefited from mentor system.
- Presently, the average mentor:mentee ratio at NOU is 1:19 .
- Record of periodic discussion held between mentor and mentee is analyzed by the head of the departments to monitor the career progress of mentee and measures to be taken for their upliftment in subjects with poor performances.
- The mentor system has helped to analyze strengths and weaknesses of the University for development of human resource. To list a few are (i) Identification of student-specific strengths and weaknesses to guide them directionally towards their goals (e.g. jobs and higher studies), (ii) Inculcation of good practices such as punctuality, sincerity, health care, basic laboratory practices and time-management, (iii) Enhancement of their communication skills (v) Strengthening of student-teacher bonding, (vi) Improvement of campus life (vii) Encouraging their hidden talents to explore job opportunities and boosting their confidence to face competitive examinations. In a nutshell, the student mentoring system has helped our students to manage their academic progress, anxiety level, campus life and happiness index .

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1617	83	1:19

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
115	83	32	2	57

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Hima Bindu Maringanti	Professor	Resource Person, DST sponsored 2-week program at NIT, Rourkela
2019	Hemanta Kumar Sahu	Professor	Biodiversity Conservation award
2019	Kamala Lochan Barik	Assistant Professor	IASR Excellence Award (International academy of Science Research, Kolkata Indo Global Research Excellence Award (Commonwealth Vocational University, Kingdom of Tonga)
2019	Babrubahan Mahapatra	Associate Professor	Gangadhar Sahitya Samman Narayan Pruseth Smruti Sanman Silver Jubilee Sikhya Samman
2020	Sisira Behera	Assistant Professor	Haji Asraf Ali Udaya Prativa Puraskar
2020	Hemanta Kumar Sahu	Professor	3rd Best poster presentation award in National Conference

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2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
MA	M.A./M.Sc.	IV/2020	20/10/2020	25/11/2020

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2.5.2 - Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
34	1617	2

2.6 - Student Performance and Learning Outcomes

2.6.1 - Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.nou.nic.in/syllabus.htm>

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BT	MSc	Biotechnology	28	27	96

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2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.nou.nic.in/SSS201920.pdf>

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Sanjukta Mohanty	Ph.D	21/06/2019	North Orissa University
National	Debabrata Nandi	Ph.D	10/09/2019	North Orissa University

National	Ashok Kumar Nayak	Ph.D	30/12/2019	North Orissa University
National	Sagarika Singh	Ph.D	03/02/2020	North Orissa University

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3.1.2 - Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
SRF - DST- Inspire	1095	DST, Govt. of India

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3.2 - Resource Mobilization for Research

3.2.1 - Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	DST, Govt of Odisha	7.26	1.7
Major Projects	1460	UGC-DAE CSR, Mumbai	12.38	4.53
Major Projects	1095	DST-SERB, New Delhi	39.78	30

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3.3 - Innovation Ecosystem

3.3.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Green Technology for Environment Management	Botany	22/01/2020

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3.3.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Antiproliferative... Cancer Cell	Faujia	Odisha Bigyan	23/11/2019	Research

Lines	Monowar	Academy	Scholar
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3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Incubation center	Handmade paper	University	Handmade Paper	to make handmade paper	09/01/2020
Incubation center	Indigenous Mushroom Cultivation	University	Mushroom Cultivation	Facilitate neighbourhood for cultivation of Mushrooms	01/08/2019
Incubation center	Liquid Organic Fertilizer	University	Liquid Organic Manure	Fish visceral waste to liquid organic manure preparation method shared and handholding	19/03/2020
Incubation center	Medicinal Plant garden	University Forest Department	Medicinal Plant Garden	Tapping indigenous knowledge and dissipating technological knowhow	01/07/2019

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3.4 - Research Publications and Awards

3.4.1 - Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Odia	7
History	1
Geology	1
Education	3
Commerce and Management	4
Botany	2
Biotechnology	2

Chemistry	1
Computer Application	1
Economics	4
Physics	2
Zoology	1
Life Sciences	1
English	4
Sanskrit	1

3.4.2 - Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Application	11	0.9
International	Biotechnology	10	2.52
International	Physics	12	3.3
International	Zoology	6	3.4
International	Chemistry	2	2.62

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3.4.3 - Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Biotechnology	10
Computer Application	27
Zoology	8
Remote Sensing GIS	10
Odia	8

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3.4.4 - Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
HEALTH MONITORING SYSTEM	Published	201931032115	13/09/2019
A Collaborative Unmanned Aerial Vehicle (Uav) System	Published	.201931031317	13/09/2019
IoT Based Integrated Device and System for Health Analysis	Published	201931039857	08/11/2019
A Novel Selection Algorithm Based On Similarity Theory	Published	201941037560	11/10/2019
System And Method For Automatically Detecting Plagiarism	Published	201931034352	13/09/2019
Method for detection and restoration of the crack digital images	Filed	201921025348	19/07/2019

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3.4.5 - Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A Neuro-Fuzzy Approach for User Behavior Classification and Prediction	A. Rahman, S. Dash, A. K. Luhach, N. Chilamkurti, S. Baek Y. Nam	Journal of Cloud Computing: Advances, Systems and Applications	2019	6	North Orissa University	6
Engineering grass biomass for sustainable and enhanced bioethanol production.	S. Mohapatra, S.S. Mishra, P. Bhalla and H. Thatoi.	Planta, Springer Nature	2019	8	North Orissa University	8
Active and passive biosorption of Pb(II) using live and dead biomass of marine bacterium	R. K. Mohapatra, P.K. Parhi, S. Pandey, B.K. Bindhani, H.	Journal of Environment Management	2019	30	North Orissa University	30

Bacillus xiamenensis PbRPSD202: Kinetics and isotherm studies	Thatoi and C.R. Panda					
An anti-microbial terpenoid fraction from <i>Gymnema sylvestre</i> induces flip-flop of fluorescent-phospholipid analogs in model membrane	S K Sahu	Applied Biochemistry and Biotechnology	2020	4	North Orissa University	3

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3.4.6 - h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Neuro-Fuzzy Approach for User Behavior Classification and Prediction	Sujata Dash	Journal of Cloud Computing: Advances, Systems and Applications	2019	6	6	North Orissa University
Engineering grass biomass for sustainable and enhanced bioethanol production	Hrudayanath Thatoi	Planta, Springer Nature	2019	8	8	North Orissa University
Hyperbranched poly(β-amino ester) based polyplex nanoparticles for delivery of CRISPR/Cas9 system and treatment of HPV infection associated cervical cancer	Priya Ranjan Debata	Journal of Control Release	2020	3	3	North Orissa University
Zn Doping Induced Enhancement of Multifunctional Properties in NiO Nanoparticles	U.K. Panigrahi, P.K. Das, R. Biswal, V. Sathe,	J. Alloys Comp.	2020	10	8	North Orissa University

	P.D. Babu, A. Mitra and P. Mallick					
Magnetic and magnetocaloric properties of LaCr _{1-x} Mn _x O ₃ (x 0, 0.5, 0.1)	H. Biswal, V. Singh, R. Nath, S. Angappane, J. R. Sahu	Ceramics International 45	2020	6	4	North Orissa University

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3.4.7 - Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	31	70	8	7
Presented papers	18	36	4	Nil
Resource persons	13	8	15	5

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3.5 - Consultancy

3.5.1 - Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Computer Application	Technological consultancy in Engineering Institutions	1)GIFT Engg. College 2)Indus College of Engineering 3)Techno School of Engineering	0
Wildlife and biodiversity conservation	Functional area expert in Ecology and Biodiversity	Visiontech Consultancy Pvt. Ltd.	0
Wildlife and biodiversity conservation	Functional area expert in Ecology and Biodiversity and Soil Conservation	Centre for Envotech Management Consultancy (CEMC) Pvt. Ltd.	0

Computer Application	Mentorship and guidance as a Technology Consultant and as a member of the Board of Directors of our IEM-IEDC	Institute and Engineering and Management- Innovation and Entrepreneurship Development Cell (Funded by DST Govt. of India)	0
Wildlife and biodiversity conservation	Plantation Evaluation	FDA-NAP, Govt. of India	0
Remote Sensing GIS	Land use and land cover mapping of Baida block Iron ore mines	Digital Cartography Services Pvt. Ltd	50000

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3.5.2 - Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Zoology	Orientation Training Programme (Human Resource Development Programme-HRD)	Central Integrated Pest management Centre, Bhubaneswar, Govt. Of India	0	65
Zoology	Training to Input Dealers under 'DAESI' 2019-20	Agricultural Technology Management Agency	0	45
Botany	Training Programme on Diploma in Agricultural Extension Services for Input Dealers (DAESI) 2019-20	Agricultural Technology Management Agency	0	45

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3.6 - Extension Activities

3.6.1 - Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers	Number of students
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		participated in such activities	participated in such activities
2 Nav Chetna Shivirs for Hostel employees and Tribal Women in the vicinity	Art of Living Foundation	1	3
Eye Camp	NSS BUREAU, North Orissa University in Collaboration with ACM, Rangamatia, Mayurbhanj	9	148
RTI Awareness Programme	MSW Dept. in Collaboration with OSSA, Mayurbhanj	8	170
Observation of 150th Birth Anniversary of Mahatma Gandhi: To Sensitise the community on Truth and Non- violence	NSS Bureau, North Orissa University in collaboration with District Level Committee	10	118
Awareness camp on nutrition and gynecological hygiene for Tribal Women girls	Women@Nou	9	32

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3.6.2 - Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Community Service	Best Programme Officer	DHE, Odisha	50

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3.6.3 - Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Padhe Bharat-	Department of Education in In collaboration	Awareness	3	150

Badhe Bharat Scheme (Date: 12-03-2020).	and cooperation with the village sarpanch and club members of village Bada Dakoi	campaign on education		
Nutrition, Health Hygiene camp	WomenNOU with Anganwadi employees	Awareness Camp	9	34

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3.7 - Collaborations

3.7.1 - Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Collaborative research project Scheme	Dr. P Mallick/ U.K. Panigrahi	UGC-DAE CSR, Mumbai	1095
Collaboration for Exchange	Registrar, NOU/Pro-VC & Director, Quality Assurance, KIIT, Bhubaneswar	not applicable	1825

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3.7.2 - Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Research Activity	Sharing/Availed research Facility	Special Centre for Molecular Medicine (SCMM), JNU, New Delhi	08/07/2019	31/05/2020	Dr.Dhangdamajhi, Biotechnology

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3.7.3 - MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers
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			participated under MoUs
ICAR-Centrl Institute of Freshwater Aquaculture, Bhubaneswar	21/02/2020	Aspects of Aquaculture Fisheries involving Biotechnology, immunology, disease diagnosis diagnosis etc.	4
Kalinga Institute of Industrial Technology (Deemed to be University), Bhubaneswar	08/03/2020	Training faculty and staff members for Exploring opportunities for collaborative research , Exchange program	4
ICFAI University, Sikkim	12/11/2019	Joint research and training programs, Student and Faculty exchange, Joint proposal for external funding, joint sponsorship for conferences, joint publications, exchange of material, articles and other publications	4

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CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
800.29	603.67

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Class rooms	Newly Added
Class rooms	Existing

Campus Area	Existing
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4.2 - Library as a Learning Resource

4.2.1 - Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SOUL	Partially	2.0	2013
SOUL Integrated with RFID based library Automation system	Fully	2.0	2017
Server	Fully	i7	2019
Online UPS	Fully	10kVA	2019

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	52447	30631799	1368	342941	53815	30974740
e-Books	199158	Nil	378	Nil	199536	Nil

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4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Santosh Ku Sahu	Enzymes-Classification	YouTube	20/04/2020
Kamal Lochan Barik	Noise Pollution	MS Powerpoint	20/11/2019
Kamal Lochan Barik	Soil Pollution	MS Powerpoint	12/09/2019
Anil Kumar Biswal	Traditional Medicines	MS Powerpoint	09/04/2020
Anil Kumar Biswal	Why name changes in Plants	MS Powerpoint	24/04/2020
Gargee Mohanty	Physiology	MS-ppt and Lecture Notes	18/11/2019

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4.3 - IT Infrastructure

4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	391	22	500	22	1	131 260	1	0
Added	15	1	0	1	1	3 12	0	0
Total	406	23	500	23	2	134 272	1	0

4.3.2 - Bandwidth available of internet connection in the Institution (Leased line)

1 MBPS/ GBPS

4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Each department has its own e-content development and storing facility, i.e. provided to students for study	http://www.nou.nic.in/econtentbank.html

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
588.63	470.48	920.99	710.38

4.4.2 - Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

1) **MAINTENANCE OF PHYSICAL FACILITY:** Maintenance of physical facility like Civil work, laboratory equipment, Furniture's etc is done centrally by the Development Section of the university comprises with Development officer, Asst. Engineer and support staff and execute the work as per the Govt. guideline through Govt. agencies like CPWD, IDCO, PWD, Police Housing upon receiving the grants from Govt/UGC/RUSA/IDP(world Bank). The committees like building committee, RUSA committee, IDP cell, maintenance section involved in planning and implementation of the work as per needs of the

students, faculty and staff. 2) **ACADEMIC: Modernisation and renovation of laboratories, Class rooms, and seminar halls** are done through grant received from Govt/UGC/RUSA/IDP (World Bank)/University own fund. HODs proposed the maintenance work to the university and passed through concerned committee. These works are executed by Development section in association with agencies like CPWD, IDCO, PWD, Police Housing abiding to the govt and funding agency norms. Also laboratory equipments and general equipments are under AMC to maintain the longevity. Lab-In-Charge along with head of the Dept. look after day to day maintenance activity. 3) **SUPPORT FACILITIES: This involved facilities like library, sports complex, Computer Center, hostels, canteen, different centres which are maintained as per their needs from time to time by funds sanctioned from Govt/UGC/RUSA/IDP(world Bank).** These works are executed by Development section in association agencies like CPWD, IDCO, PWD, Police Housing abiding to the govt and funding agency norms with proper tender process. 4) Along with above the university has its own repair and maintenance cell comprising of RM officer, plumber, electrician, carpenter, pump operator for water supply, out sourced support staff for cleaning and beatification of university campus and to look after daily maintenance work of all depts. and sections. 5) Website of the university is maintained by Prof-in-charge website along with NIC support team. 6) Campus lighting is maintained with Electricity, solar system and DG sets by the electrician and support agencies. 7) Library is headed by Prof-in-Charge of library, Asst Librarian and library attendants who manage the day to day activities of the library. 8) The health care centre of the university is maintained by two part time medical officers (one male and one female) to provide healthcare facility and health check up to students, staff of the university. 9) Sports wing is headed by secretary, sports council, and PET is maintaining the sports infrastructure, Gymnasium and open Gynaecum. 10) Control and monitoring of security services in the university premises is maintained by a security officer and out sourced security guards. 11) Director computer centre advices the maintenance of computer centre, internet facilities and e-despatch, Wi-Fi taken upon by the maintenance cell.

<http://www.nou.nic.in/SOP-North-Orissa-University.pdf>

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Student Insurance Scheme	1617	92283
Financial Support from Other			

Sources			
a) National	National Scholarship For University Rank Holder	533	7402769
b) International	nil	Nil	0

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5.1.2 - Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Communicative Skill Enhancement for 4th Sem students	29/07/2019	23	Dept of English
Remedial Coaching (UGC NET)	01/01/2019	150	Mayurbhanj DIET

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5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Counseling	168	168	5	92
2019	Civil Services Coaching Centre	50	50	Nil	Nil

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5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
49	49	5

5.2 - Student Progression**5.2.1 - Details of campus placement during the year**

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
nil	Nil	Nil	<ul style="list-style-type: none"> • Cognis • NetTantra • Tectoro • Daksha • Solix • Nexright • Geo Infosys Noida • Absys Bhubaneswar • Srijan Technology Bangalore • Tech Mahindra • ZSI • Jindal • Wildlife Institute India - Dehradun • Odisha Biodiv 	596	261

[View File](#)**5.2.2 - Student progression to higher education in percentage during the year**

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	72	PG / M.Phil	Zoology, Botany, Economics, Physics, Chemistry, MCA, ATS, MLIS, English, Sanskrit, Odia, Geology, Material Science	North Orissa University, Fakir Mohan University, IIT Delhi, IISER Berhampur, IIT Kharagpur, Central University Jharkhand, GM University Sambalpur, IIT BBSR, IIT Patna, Ravenshaw University, NIT Rourkela, Krupajal Engineering College, Bhubaneswar, See	M.Phil/Ph.D

[View File](#)**5.2.3 - Students qualifying in state/ national/ international level examinations during the year**

(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	51
SLET	1
GATE	20
Any Other	35

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5.2.4 - Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Intercollege Badminton Tournament (men)	Inter College	42
Football Tournament (men)	Inter College	165
Chess	Inter College	50

[View File](#)**5.3 - Student Participation and Activities**

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	nil	Nil	Nil	Nil	na	na
2020	nil	Nil	Nil	Nil	na	na

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5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students have active representation in academic administrative bodies and various committees of the University. To facilitate the function and discharge of duties of P.G. Council in relation to the

matters stated in the Statute 252(4) (b) (c) (d) of the Orissa Universities First Statutes (1990) and to bring about a healthy interaction between the administration and the students, the University Students Union and Clubs are formed for the P.G. Departments of North Orissa University. The Constitution of the University Students Union is effective since the academic session 2013-14.

Student Activities : Through the process of nomination, students' representatives have been nominated to conduct various extracurricular activities on the campus under the supervision of faculty members. Accordingly, students conducted different literary and cultural competitions like:

- Essay and Debate competition in English/Hindi/Santali and Odia languages.
- Song competitions, Solo/Group/Duet Dance competitions.
- Debate competitions in English and Odia were held on the topic "Bad impact of Tobacco Consumption", "Vigilance Awareness".

Sports activities include:

- Cricket, Badminton, Chess, Carrom and Volleyball tournaments for Boys and Girls
- Athletic events like 100 metre Running Race, Shotput throw, Javelin throw, Discuss Throw, Long Jump, High Jump were organized for Boys and Girls.
- Musical Chairs (Girls only) Students participated in
- Constitution Day
- National Science Day
- RTI Awareness Programme
- Celebration of 149th Birth Anniversary of Maharaja Sriram chandra Bhanjadeo
- Bidu Chandan Puja Student representation in various committees:

- RUSA PMU Students are part of the RUSA Project Management Unit in formulating various strategies towards utilizing the RUSA fund for the benefit of the students
- Seminar Each of the Departments in the University has a student Seminar body run by students with the due appointment of a Seminar Secretary and Asst. Seminar secretary. Under the supervision of faculty members, students organize weekly seminars. They also help in organizing different extracurricular activities in the Department.
- Hostel Administration Students provide strong support in the administration and management of hostel affairs. Each hostel has a Mess Committee, Cultural Committee, Sports Committee and Cleanliness Committee. Students manage the entire functioning of the cooperative mess and organize extra-curricular events and competitions throughout the year.
- NSS The P.G. NSS Units is active in the University since its inception in the year 2005. The NSS volunteers undertake both regular and special camping programmes including environmental enrichment, health awareness, blood donation, personality development and literacy programme on a regular basis. Many NSS Volunteers of PG Units has been awarded with IG NSS award, State level NSS award and University level NSS award for their contribution towards Social Services through NSS.

Activities of P.G. NSS Units:

- NSS organized events like Constitution Day, Swachh Bharat Pakhwada, NSS Winter Special Camp on rural Transformation, Mahatma Gandhi Martyrs Day, NSS Orientation Programme, and Blood Donation Camp, Traffic Awareness, Plantation drive, COVID-19 Awareness

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

The university has an alumni association. The registration application is pending at the appropriate authority. Each of the departments have their own alumni association. Out of them, the alumni Association of Dept. of Zoology is a registered one. The remaining departments have registered their alumni on WhatsApp/Google groups and having a virtual rendezvous , occasionally. Also, feedback forms are being circulated to the old boys and encouraging them to constructively criticize the department, as well as the University system. They are motivated to contribute in terms of financial assistance to the needy juniors and also spare their technical knowhow with their juniors and extend placement assistance. An Alumnus from the Integrated B.Ed-M.Ed program, has contributed substantially in the translation of the Class VII General Science textbook into Ol Chiki.

5.4.2 - No. of registered Alumni:

2488

5.4.3 - Alumni contribution during the year (in Rupees) :

364980

5.4.4 - Meetings/activities organized by Alumni Association :

Alumni members are the hidden forces to drive our students beyond the academic ambience provided by the University. They act as role models for the students of the University. Their support comes through financial as well as non-financial means. Most of the alumni associations are active online over WhatsApp. The departmental alumni associations organized alumni meet at least once in the year 2019. Alumni members are helping students in terms of providing placement information, internship opportunities, career counselling, rendering hand-holding support, and providing financial support to students in person at times. They also donate books to the Seminar library of the departments. All the activities of the alumni associations are geared towards creating a learning atmosphere in the University. An Alumnus from the Integrated B.Ed-M.Ed program, has contributed substantially in the translation of the Class VII General Science textbook into Ol Chiki.

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - Mention two practices of decentralization and participative management during the last year (maximum 500 words)

- Being a State University, authority of power has been clearly defined by the government as per the statute. The power of the university has been decentralised in different academic and administrative bodies like Syndicate, Senate, Post Graduate Council, Academic Council, Board of

Studies, Departmental Teacher Council, and administrative bodies like Examination Committee Finance Committee, adhering to government and university guidelines. In our Keonjhar Campus, a Director has been designated to look after the academic and administrative duties and responsibilities. This is in line with government guidelines. Each Department is having Departmental Teachers Council (DTC) to look after the administration and academic affairs independently under the guidance of the HOD. At the Department level, meeting of the faculty held regularly to give the faculty an enormous sense of belongingness and pride in the institution to bring out the best in them. • In addition to the meetings of the Heads of Departments Chaired by the Vice Chancellor, the meeting of the Vice Chancellor with the staff at the beginning of every semester is indeed a reflection of the participative style of the Management. Such meetings provide the platform for open discussion with the teaching and nonteaching staff which, in turn, encourages the involvement of the staff for the improvement of effectiveness and efficiency of the institutional process. The university took steps in several matters by taking into considerations of all stakeholders in academic, administrative, examination, finance, and extension activities. Regarding financial transparency, the university has a Finance Committee constituting members from teaching, nonteaching staff headed by Comptroller of Finance.

6.1.2 - Does the institution have a Management Information System (MIS)?

Yes

6.2 - Strategy Development and Deployment

6.2.1 - Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Teaching and Learning	<ul style="list-style-type: none"> • faculty members attended FDPs, RM workshop, Orientation and Refresher courses to improve their knowledge • Class rooms are equipped with ICT and laboratories too • Blended mode of teaching and experiential learning including problem solving is a feature. • USMs were assigned to facilitate Open Learning System and MOOCs • Remedial classes are offered by the department to bridge the gap between slow and advanced learners. • After admission, a mentor has been assigned to each student, who provides guidance and support to mentees in academic, hostel and personal domains. • mandatory assignments, seminar presentations, field and project work
Curriculum Development	<ul style="list-style-type: none"> • curriculum development is carried out through proper planning and need assessment. • need assessment is done through feedback from various stakeholders. • The course curriculum for all programmes is developed by Board of Studies, which continuously monitors, and provides inputs for curriculum enrichment. • Proper attention has been given for inclusion of various skill development courses and value-added

	<p>courses. • Focus has also been given on fundamentals of the subject matter integrating theory, practical, self-study, and experiential learning. • Emphasizing on research based, application oriented including that of product development (projects) in the Curriculum.</p>
Examination and Evaluation	<p>• Answer scripts are coded before evaluation. Academic Calendar is strictly adhered to • Continuous evaluation(CIE) of students through home assignments, tutorials, quiz, and seminar is followed. • A minimum attendance of 75 is being enforced for giving examinations • Malpractices are dealt with very strictly and also student appeal mechanism is adopted. • Scribe is provided for differently abled students to write in the examination. • Virtual mode of evaluation was adopted for evaluation of dissertation work and Ph.D thesis</p>
Research and Development	<p>• R D Cell of the university encourages the faculty members to apply for research proposals to various funding agencies. • All the Departments are provided with DG backup round the clock for ensuring 24X7 uninterrupted power supply to facilitate research. • The university provides internet access through LAN and WiFi in the departments • Antiplagiarism software (Turnitin and Urkund) were provided and mandatory to submit Ph.D Theses, duly certified by the supervisor • Research Methodology is compulsorily taught to all research scholars. • Students/Research scholars are encouraged to publish in peer review journals and to participate in conferences.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>• Library is automated with RFID book issue, return, and an Infrared Gateway for security. • Smart library card is introduced for both students and teachers. • All the regular departments are equipped with adequate and necessary laboratory facilities to experience practical based learning. • Open Gym is installed in the vicinity of ladies hostels and faculty residence. • Digital Resources are available in Central Library including 14 workstations as a gateway to online resources. • Reprographic facility is available for students and faculty members. • Plans to setup a central instrumentation facility is underway</p>
Human Resource Management	<p>• Rules and regulations / Welfare schemes pertaining to Promotion, Recruitment, Salary, Service conditions, Leave, Pension, Gratuity, Retirement are adhered to • promotes faculty to participate in career advancement schemes • A separate HRD building has been constructed, for conducting residential FDP and other training courses identified by the Director and approved by the advisory committee. • Short and long-term courses / seminars / conferences / workshops are conducted for the benefit of both faculty, non-teaching staff of the university and affiliated colleges. • provides financial support for organizing/attending</p>

	national/international symposia and conferences. Similar facilities are extended to nonteaching staff
Industry Interaction / Collaboration	<ul style="list-style-type: none"> The University-Industry linkage has been established for the benefit of the students, and a faculty member has been appointed as Nodal Officer. The Nodal Officer periodic updating of curricula in consultation with the industry, conducting Soft-Skill Development Capacity Building programmes to enhance their employability, industrial visits and training, enabling project internship, organizing seminars and research conclaves, technical exhibitions and special lectures by eminent academicians and Corporate Leaders. Industry visit is a part of the experiential learning system was adopted in the course curriculum. The students were encouraged to visit industrial sectors for their internship.
Admission of Students	<ul style="list-style-type: none"> Admission into all PG Courses, M.Phil and PhD programmes is through Entrance Test following the state reservation policy. The entrance test is widely publicized in local/ national dailies and on the University's website. The merit list was prepared based on both entrance test and career marking which were considered for admission, ensuring full transparency in the admission process. Hostel seats were allotted during admission based on merit cum distance basis. Differently abled students were ensured with ground floor accommodation. Induction program was arranged for the new students at University level and department level.

6.2.2 - Implementation of e-governance in areas of operations:

E-governance area	Details
Finance and Accounts	Government sponsored PFMS is mandatory and is being used for all transactions. Orders have been placed with IDCOL Software for procuring the Finance Automation Software.
Student Admission and Support	Transparent Admission system through proper advertisement and pre-published Information Brochure. Online application facility, online account transfer mechanism was deployed to handle COVID situation. Reservation policy as per State govt of Odisha rules Various support facilities are given to our students such as Hostel facility, sports and Games facility, NSS, Student Insurance, Open and Indoor Gym, Online learning through MOOCS, Mentoring facility, Feedback facility, Complaint Cell. A webpage for complaining against any discrimination is provided. Grievance redressal facility exists. CIE is effectively carried out thru quiz, tests, assignments, class seminars, Internal examination(offline and online) Methodology for conducting online examination and the use of ICT for designing Questions in google Forms etc and the corresponding training Model question papers and mock tests

Examination	Academic Calendar is prepared in consultation with the PG Council and adhered to MoU has been planned with NSDL for creating the facility of National Academic Depository. On-Time Graduation (OTG) is uploaded on the website. Online project and Theses evaluation has been initiated due to the pandemic. Effective grievance redressal mechanism and conflict resolution
Planning and Development	Accounts automation system was planned and the steps are initiated for purchase and finance automation office work flow management
Administration	e-Despatch system for two-way communication is used

6.3 - Faculty Empowerment Strategies

6.3.1 - Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	NA	NA	NA	Nil

No file uploaded.

6.3.2 - Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Awareness on Plagiarism Checking tools	Turnitin Training	30/08/2019	30/08/2019	25	1
2019	Plagiarism Checking software	Urkund Training	18/01/2020	18/01/2020	21	Nil
2020	Awareness on issues in using Turnitin tool	Official Turnitin Training	07/02/2020	07/02/2020	14	2

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6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
A hybrid metaheuristic approach for model based testing of object oriented programs	1	13/12/2019	14/12/2019	2
Life Sciences	1	09/12/2019	21/12/2019	13
Research Methodology and statistics	1	04/11/2019	09/11/2019	6
Online Refresher Course in chemistry for Higher Education	1	16/02/2020	16/02/2020	1
Advanced Molecular Techniques in Fish Diseases Diagnosis and Management in fresh water Aquaculture	1	26/11/2019	16/12/2019	21

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6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	34	Nil	3

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
Government Schemes: GPF, NPS, Medical Allowance, CL, ML, Lien leave, Maternity Leave, Paternity Leave, Half Day Leave, Study Leave, Withdrawal facility from Provident Fund, Medical Facility. University Schemes: Guest house accommodation for personal guest at subsidized rates	Government Schemes: GPF, NPS, Medical Allowance, CL, Maternity Leave, Paternity Leave, Half Day Leave, Festival Allowance, Rehabilitation Scheme, Medical Facility	Student Insurance, Primary Health facility, Open Gym, Grievance cell, Mentorship Counselling, Security, Sports Games, Playground, TV in hostels

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each)

- The finance and accounts department is committed to deal with all financial related matters with transparency. The accounts are audited by both internal and external government auditor. • Every year, books of accounts are audited by the external auditor from State and Central Govt. • The state Local Fund Audit (LFA) team regularly visits the University every year for audit of Accounts. Their Audit reports are published in ALFA portal of State Government. The audit reports are also uploaded on the university website: <http://nou.nic.in/AR1920.pdf> • Resources are mobilised through SFC, RUSA, IDP and Research Project funds.

6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Department of Science Technology, Odisha ICSSR, New Delhi	300000	Conducting National Seminar on "Green Technology for Environment Management"and 44th Annual Conference of Odisha Botanical Society 22/1/2020 - 23/1/2020

[View File](#)

6.4.3 - Total corpus fund generated

22898597

6.5 - Internal Quality Assurance System

6.5.1 - Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AG Audit, FA, Odisha	Yes	Chairman, Pg Council, Director, IQAC and Director, CDC
Administrative	Yes	AG Audit, FA, Odisha	Yes	Local Fund Auditor

6.5.2 - What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

1) **Autonomy w.r.t. finance and administration: The MSCB University has granted autonomy to**

M.P.C(Autonomous) College, Baripada, Karanjia Autonomous College, Karanjia and D.D(Autonomous) College, Keonjhar as per the rules of Orissa University First Statute, 1990 in concurrence with the University grants Commission for a period of Five years. Further grant of autonomy to the college is subject to the review and satisfactory performance of the College. The academic autonomy is granted in (i) Framing syllabus and course contents adopting the general pattern of the University. (ii) Devising the methods of evaluation and tests pertaining to the degree/diploma within the broad pattern of the University. (iii) Admission of students in conformity of admission procedure of University. Regarding grant of financial autonomy, University has a representative in the Executive council which takes all financial decisions of the Autonomous college. State Government Financial rules are applicable to Autonomous colleges.

6.5.3 - Activities and support from the Parent - Teacher Association (at least three)

1) Meetings are held for improving (i) residential facilities (ii) regularity and (iii) discipline in the classroom / department. 2) Residence Committee is formed under the chairmanship of the chairman, PG Council, comprising of Warden, Superintendents, and Assistant Superintendents to look after the matters relating to residence facilities of the boarders. Once every year, we meet parents, collect feedback and remedial measures are taken to fulfil their requirements. 3) Hostels have a code of conduct which is displayed at the entrance. 4) Registers are maintained for incoming / outgoing and Station leaving record. 5) Visiting doctors are made available for both girls and boys hostels. 6) Attendance in class is also monitored and the moment continuous absenteeism is observed, letters are sent to the parents / guardians to take corrective action. 7) In case of low attendance without valid reason, the student is not allowed to sit for examinations. 8) A 24X7 security guarded university and hostel is provided for the safety of the students. 9) A disciplinary committee is constituted to deal with the matters regarding undisciplined activities within the university, in the hostel or on the playground.

6.5.4 - Development programmes for support staff (at least three)

1) Computer Skill Training for section officers and DEO , email id creation and downloading/uploading , sending attachments printer settings, LCD projector connection , in addition to MS-Office training 2) e-despatch training for the persons in-charge of using the system directly in the establishment section for sending and receiving official communication 3) PFMS training : use and uploading and managing the system 4) TURNITIN Training: creating a login logging-in uploading the Thesis or Research manuscript monitoring the settings of matching segments for similarity checking displaying and printing the report and comprehending it 5) GeM training : creation of login logging-in searching identifying the minimum bidder and preparing tender papers and generation of purchase invoice

6.5.5 - Post Accreditation initiative(s) (mention at least three)

• Consequent upon motivational measures seven major research projects are sanctioned by the funding agencies. • IQAC for the university has been constituted as per the new NAAC guideline with members from industry academicians, alumni, and students. • As part of security measures, university security persons are employed in all boys hostels. • Ten different subjects which were earlier running in Self-Financing mode have been formally regularized. Central Instrumentation Facility has been proposed in the IDP 2019-20 proposal. • Advertisement notification was floated for recruitment of teaching and non-teaching vacant posts. • Steps have been taken for CAS promotion scheme implementation

6.5.6 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.7 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	NAAC Awareness Workshop sponsored by NAAC, Bangalore	26/09/2019	09/11/2019	09/11/2019	72
2020	Principals / IQAC Coordinators Interface Meet of Mentors and Mentees	Nil	28/01/2020	29/01/2020	85

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CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male

Awareness camp on nutrition and gynecological hygiene for women/girls	25/06/2019	25/06/2019	75	Nil
Organized and enacted street play by students on the girl child education, abuse , anti witchcraft and child marriages	30/01/2020	31/01/2020	48	29

7.1.2 - Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

84 solar lamp posts are installed in different areas, viz., Academic Building (65), Ladies Hostel (7), Gents Hostel (4), Guest House (4) and VC Residence (4), of the campus. Percentage of power requirement of the University met by the renewable energy sources 3780W/400kW 0.01

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	11
Ramp/Rails	Yes	11
Provision for lift	No	Nil
Braille Software/facilities	Yes	1
Scribes for examination	No	Nil
Rest Rooms	Yes	11
Special skill development for differently abled students	No	Nil

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	13	13	04/07/2019	1	volunteer activity	Volunteers were engaged for facilitating water and sanitation to the devotees at Baripada Car festival	14

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7.1.5 - Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Ethics	24/08/2021	The code of ethics for various stakeholders namely, students, boarders and faculty have been extracted from Information Brochure and Odisha Universities Statute and complied into separate documents and uploaded on the website.
Information Brochure	27/06/2019	Basic information about the date, fees, manner, entrance test and other modalities of admission into various P.G., M.Phil., and Ph.D. courses are provided to the aspiring students to be enrolled in the University. This booklet also contains rules and regulations that must be followed by the admitted students in utilizing the various facilities available in the university. Rules about curricular and extracurricular activities also find place in this document. Affidavit w.r.t. anti-ragging declarations is also attached at the end. Online admission procedure and mechanism is mentioned and also uploaded on the website. Hostel facilities and regulations are included in the brochure.
Odisha Universities First Statute 1990	09/11/2020	Published in 1990 and amended in the year 2020

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga day	21/06/2019	21/06/2019	314
Mind Matters Workshop	24/02/2020	24/02/2020	74

No file uploaded.

7.1.7 - Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Installation of Solar Light panels as a measure of renewable energy resource utilization 2.

Open Sitting Arrangement in a Green Environment under the trees for visitors and students 3. Afforestation / Plantation carried out every year during July as part of Vanmahotsav to maintain a lush green natural environment and freshness filled ambience 4. Tobacco Free Zone has been enforced and achieved 5. Plastic Free Campus has been enforced and achieved 6. Water Harvesting to store excess rain water, with a bund a reserve for watering plants and other utility

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

BEST PRACTICE 1: BLENDING COMMUNITY KNOWLEDGE AND GENERIC SKILL WITH MODERN SCIENCE: EXPERIENCING SIMILIPAL PLANT BIODIVERSITY (MEDICINAL PLANTS) IN THE CAMPUS Being the abode of many tribal communities, the region of North Odisha is endowed with rich tradition of community knowledge which is usually transmitted orally to succeeding generations. Much of this knowledge system is being lost steadily from the collective memory. Because of importance of such knowledge system, the UNESCO Declaration on Intangible Cultural Heritage has emphasized on its documentation, preservation and, in case of the extinct ones, even revitalization. Keeping this in view, the University decided to promote, preserve and publicise Similipal biodiversity among scholars, tribal, rural and common citizens through the A.P.J. Abdul Kalam Biodiversity Park in the campus. In recent years many medicinal plant species are considered to be at risk of extinction on account of two sets of human activities: (a) habitat alteration or destruction derived from change in the use of land, and (b) extraction of wild plants for trade. The recent forest fire in Similipal is also a threat. Hence, it is high time to save the vanishing medicinal plants / species well before the temperature regime become worse, and to grow in a controlled climate with the purpose of production of planting materials needed for restoration. Our university is located in a peripheral zone of Similipal and is the most ideal place for developing such an ex-situ conservation garden that too in almost in-situ condition. In their traditional healthcare, the tribal people use different parts of various plants for medicinal purposes. There is a steady decline in the number and practice of tribal healers in the locality. Therefore documentation of such plants and their use as known from communities is a necessary first step in this regard. An example of the blending of community knowledge of medicinal plants with modern science has been undertaken by our scholars of botany and biodiversity conservation by ethno-botanical research and plants used by tribal healers. The A.P.J. Abdul Kalam Biodiversity Park has been set up with 52 number of medicinal plant species with a spread of 2.7 acres of land in the campus. The Park is having infrastructural facilities to grow and rear the plants. It has one shed net house and one moist house to grow the medicinal / herbal plants. Water supply with underground tank and sprinklers are also available. The ex-situ conservation of the medicinal plant genetic resources not only caters to the needs of students, faculties and researchers but also provides the plant and plant parts to the local people for preparation of medicines as per their needs. Some of the important medicinal plants are

Plumbago zeylanica, Tinospora cordifolia, Cissampelos pareira, Adrographis paniculata, Gloriosa superba, Rauvolfia serpentina, Saraca asoca, Phyllanthus emblica, Calotropis procera, Abrus precatorius, etc. Thus the Park enables a visitor/student/scholar to experience the diversity of medicinal plants of the Similipal Bio-Sphere Reserve. The practice has some uniqueness in the form of appreciating the traditional knowledge of communities with regard to the use of plants for medicinal purposes which are given value addition by use of scientific methods of plant taxonomy and their ex-situ conservation. Hence, this is an example of convergence of traditional knowledge system of communities and modern scientific practices and research. The Park conserves the important medicinal plants of tribal communities and in that sense, part of their knowledge system. It fulfils to certain extent, the requirement of local tribal people for their herbal therapy. It acts as a teaching aid and also creates ample scope for students and researchers for conducting their research work smoothly due to the availability of plant materials inside the campus. It also attracts school and college students for visiting the garden to know about the medicinal plants and realize the importance of herbal medicines in their daily life. It also creates awareness of the rich tradition of plant biodiversity of Similipal Biosphere Reserve among the various communities, students, alumni, teachers and staff of the University. It is worth mentioning that Giloy (Tinospora Cordifolia), a herbaceous vine of the family Menispermaceae, profusely growing in Similipal biosphere region and collected and sold by local tribal people, is popular for its immunity boosting properties and is regarded as a preventive against Covid 19. Care and maintenance of the Park is of paramount importance which is not very easy. Being located in the campus, land available is limited and the number of plant species conserved is also limited. More land with more number of plants and more human resource are required. Recently, much of the plant diversity in Similipal was subjected to raging forest fire which drew international attention. This is a serious threat to the Biodiversity of Similipal.

BEST PRACTICE 2: PROMOTION AND PRESERVATION OF TRIBAL LANGUAGE AND HERITAGE: THE CASE OF SANTALI Since tribal languages and cultures constitute an inherent part of Indian heritage in general and Odishan heritage in particular, the primary objective is to promote Santali language and literature and to document and preserve their cultural heritage in our Museum. Another objective is to create awareness among non-tribal students about the rich heritage of the Santals. Thirdly, this would help imparting education through mother tongue especially at school level. This is emphasized by New Education Policy. Preparation of a database on Santali writers, translation of important Santali works into other Indian languages and vice versa are other aims. According to UNESCO, many languages are becoming extinct from the world. Besides, STs constitute 22.85 of Odishas population. Therefore preservation of tribal languages in Odisha is very relevant. Besides, Santali has the Ol Chiki script and is included under Schedule VII of our Constitution. Before the emergence of Ol Chiki script, the Santals used to write in various languages such as Odia, Bengali and Hindi. The challenge is to publish them in Ol Chiki. The ethno-history and stories of origins of the Santals

are usually inferred from their traditional songs which are being steadily lost from the collective memory. Some other challenges include documentation of such songs, preparation of text books for school children in Ol Chiki script and inadequacy of publishing units of Ol Chiki, etc • only University in Odisha which has a Department of Santali for teaching and research from post-graduation to Ph. D. • Students and scholars of Anthropology and Tribal Studies Department undertake fieldwork to document the cultural heritage of the Santals and emphasise how elements of culture could be input for sustainable development and conservation of biodiversity • Social Work Department emphasises the issues of rights and social justice for the tribal people including the Santals • Tribal Museum has the collection of material culture of folk and tribal society including those of the Santals • Specimens of plants used by the Santal tribal healers are there in the APJ Abdul Kalam Biodiversity Park • library has collections on tribal literature and heritage including Santali • a database on Santali language and literature • Worship of God Bidu and Goddess Chandan by both tribal and non-tribal students as the deities who promote learning • Translation of a Class VII text book • helps in learning language and literature in comparative perspective since we have other language departments, such as Odia, English and Hindi • relevant to the UNESCO declaration on Intangible Cultural Heritage. • teaches tribal students, while being exposed to modern education, to be proud of their rich heritage and the non-tribal students to show respect to the splendour of tribal cultures. • enables both the tribal and non-tribal communities to highlight a basic point that both and tribal and non-tribal communities have to learn from one another to create a comprehensive and syncretistic knowledge system. • helps dismantle a stereotypical view that it is the tribal people who have to learn from rest of population. On the contrary, this practice emphasises that the non-tribal population have also to learn from tribal heritage in terms of their ecologically balanced habitat and ways of life. The Departments of Santali, Anthropology Tribal Studies and Social Work are engaged in teaching, learning, documenting and undertaking research on various aspects of Santali language, literature and heritage. The tribal Museum has a repository of material culture including those of Santals. The same is the case with the plant diversity of medicinal plants used by the Santal tribal healers. The library has a good collection relating to Santali literature and culture. Preparation of a database on Santali literature has already been started. However, this is a continuous process. While a text book on general science for Class VII has already been translated from Odia by our teachers, translations of Santali literary works to other languages and vice versa are yet to begin. Problems: • inadequate human resource and financial resource • inadequate space for tribal museum • maintenance of the APJ Abdul Kalam Park • getting access to various works by Santali scholars published in local languages • preparation of a database on Santali works • Limited publishers in Ol Chiki script

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website,

provide the link

<http://www.nou.nic.in/Presentation%20of%20Best%20Practices.pdf>

7.3 - Institutional Distinctiveness

7.3.1 - Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

NEED BASED UNIVERSITY FOR TRIBALS The University caters to the Higher Educational needs of Mayurbhanj and Keonjhar districts of Odisha with substantial tribal populations (58.7 for Mayurbhanj 45.45 for Keonjhar). The establishment of this university has enabled and ensured opportunities for post graduate education of the first generation tribal students of the region. Besides, about 70 percent of post-graduate students of the University are women (including tribal). This is a significant aspect of the university being located in a backward region of the state. (i) **LINKING GLOBAL ISSUES WITH LOCAL CONTEXTS:** Conservation of Biodiversity and sustainable development of vulnerable sections of the society are global issues. The Similipal Biosphere Reserve with species of 1076 plants, 42 mammals, 264 birds, 39 reptiles and 12 amphibians), lies not far from the University. A number of tribal communities live around Similipal. Linking both the issues - conservation of Similipal biodiversity and sustainable development of tribal communities living in around Similipal - is a local version of such global issues pursued by the University in its teaching, research, experiential learning and extension activities. The inherent message of such linkage is not Tiger versus tribe, rather it is Tiger and tribe. While Anthropology Tribal Studies Department emphasizes various tribal cultural practices as input in sustainable development, Economics Department studies livelihood issues of tribals and various development indicators, Social Work Department the socio-cultural life of tribal people and also creating awareness for their rights and responsibilities and Business Administration Department in the promotion of both the generic and the entrepreneurial skill of tribal people, including women. (ii) **EXCLUSIVE RESEARCH CENTRE ON SIMILIPAL:** In order to preserve and protect the natural habitat of the region, the University has established Centre for Similipal Studies with multi-and interdisciplinary perspectives and has the Departments of Wild Life and Bio-Diversity Conservation, Botany, Zoology and Bio-Technology undertaking documentation and research on Similipal biodiversity and conservation. (iii) **ETHNO-BOTANICAL HUB AND TRIBAL MUSEUM:** While the APJ Abdul Kalam Park celebrates the community knowledge and its conservation of medicinal plants with a value addition of ethno-botanical research around Similipal, the Tribal Museum showcases the tribal cultural diversity. While there is a threat to tribal languages globally, the Santali Department, being the only tribal language department in the whole of Odisha, works for the teaching, research, documentation, preservation and promotion of Santali language and literature. (iv) **WOMEN EMPOWERMENT:** A woman group of the campus Women@NOU organizes a number of awareness

activities in the community, including among tribal women, involving issues of health hygiene, legal rights, alcoholism, child care, Nav Chetna Shivirs etc (v) A TOLERANT AMBIENCE: The University, while exposing the first generation tribal students to higher education with modern knowledge system, also teaches them to be proud of their heritage and in that sense, they go back to their community as change agents. The non-tribal students learn to appreciate the strength of tribal heritage. This leads to mutual respect among students coming from different communities and regions, thus creating an ambience of tolerance and appreciation

Provide the weblink of the institution

<http://nou.nic.in>

8.Future Plans of Actions for Next Academic Year

- Upgradation Training for faculty members indulging in Online mode of teaching
- Subject specific skill based certificate courses for various departments
- Additional Value added courses and modalities
- Provision for Adjunct Professors/ Visiting Professors/ Scholar-in-Residence
- Beginning of celebration of 150 years of Maharaja Sriram Chandra Bhanja Deo
- Celebration of various days of National/International importance
- Signing of further MoUs with reputed Universities / Institutions/ Organizations/ NGOs
- Comprehensive guidelines for the functioning of various Institutional Ethics Committees and Code of Ethics for Alumni, Parents and Non-Teaching staff may be framed and uploaded on the website
- A robust SoP for implementation of COVID 19 guidelines in the Departments and hostels
- Online Feedback and Mentorship mechanism be adopted
- Modalities for conduct of online examinations for UG / PG
- Registration of Alumni through Mo College Abhijan
- Meeting of Principals of affiliated colleges for NAAC accreditation
- Steps for enhancing sports infrastructure in the University