

COMPOSITE REPORT
DEPARTMENT OF ZOOLOGY
Period : From 1st July 2017 to 30th June 2023

Part – A

Name of the Department:

- Date of Establishment: 1986
 - Name of HOD: Dr. Rekha Chetry
 - Designation: Associate Professor
 - Mobile no.: 9435306401
 - Registered-mail: chetryrekha@gmail.com
 - Alternate e-mail : principaljnc13@gmail.com
2. Departmental status:
- Affiliated /Constituent: Affiliated
 - Date of Affiliation: 1994

Part-B

CRITERION I -CURRICULAR ASPECTS		
1.1 Curriculum Planning and Implementation		
1.3.2 Field Projects / Internships under taken during the year		Nil
Year	No. of students enrolled for Field Projects / Internships	
2017-2018	13	
2018-2019	13	
2019-2020	13	
2020-2021	00	
2021-2022	08	
	Total = 47	
2022-2023	Project/Programme Title	No. of students enrolled for Field Projects / Internships
	Study of Menstrual Cycle with respect to Haemeoglobin – A case study	01
	Study of Menstrual Cycle with respect to caste – A case study	01
	A Study of Human- Elephant Conflict in Kamrup and Goallpara District of Assam	01
	The Medicinal Importance of Food Fish Used by the Ethnic Garo People of Rangjuli , Goalpara District of the Assam, India	01
	Study of Menstrual Cycle with Respect to Blood Group- A case Study	01
	A Study on Medicinal Plants Species of Dakuapara and Pakhrapara Area, Assam.	01
	Study of Menstrual Cycle with respect to Study with Respect to Body Weight and Height - A case Study	01
	Ichthyotherapy : Uses of Fishes Medicine by Ethnic Bodo	01

	Community of Dhanubhanga , Goalpara District of Assam, India	
	Public , Plastic and Pollution : A case Study at Boko Market in Kamrup District of Assam, India	01
	Assessment of Status and Distribution of Tokay Gecko (Gekko gecko) in Four Villages of Kamrup Rural District of Assam, India.	01
	Study on the Traditional Medicinal Plant Species of Dhanubhanga Area , Assam .	01
	Seasonal Variation in Larval Growth of Eri Silkworm(<i>Samia ricini</i>) on Two Host Plants Species (<i>Ricinus communis</i> and <i>Ailanthus grandis</i>)	01
	Assessment of Current Status of Dhoolkata Wetland in Goalpara District of Assam, India .	01

CRITERION II –TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Year	Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
2017-2018	B.Sc.	Major : 20	50	15
		General: 75	75	79
2018-2019		Major : 20	50	25
		General: 75	70	66
2019-2020		Honours : 20	63	16
		Regular: 75	70	52
2020-2021		Honours : 20	80	16
		Regular: 75	65	48
2021-2022		Honours : 25	70	22
		Regular: 75	30	16
2022-2023		Honours : 25	70	18
		Regular: 75	70	55

2.2 Catering to Student Diversity

2.2.1. Student – Full time teacher ratio (current year data)

Year	Number of students enrolled in the Department(UG)	Number of students enrolled in the Department (PG)	Number of fulltime teachers available in the department teaching only UG courses	Number of fulltime teachers available in the Department teaching only PG courses	Number of teachers teaching both UG and PG Courses
2017-18 (1:51)	Sem-I: (M) – 15, (G) – 79	N/A	04	N/A	N/A
	Sem III: (M) – 17, (G) – 49		04	N/A	N/A
	Sem V: (M) – 13, (G) – 31		04	N/A	N/A
2018-2019	Sem-I: (M) – 25, (G) – 66		04	N/A	N/A

(1:45)	Sem-III: (M) – 15, (G) – 55	N/A	04	N/A	N/A
	SemV: (M) – 13, (G) – 05		04	N/A	N/A
2019-2020 (1:33)	Sem-I: (H) 16, ® – 52	N/A	04	N/A	N/A
	Sem-III: (M) – 18, (G) – 54		04	N/A	N/A
	Sem-V: (M) – 13, (G) – 15		04	N/A	N/A
2020-2021 (1:31)	Sem-I: (H) – 16, ® – 48	N/A	04	N/A	N/A
	Sem-III: (H) – 10, ® – 37		04	N/A	N/A
	Sem-V: (M) – 18, (G) – 27		04	N/A	N/A
2021-2022 (1:26)	Sem-I: (H) – 22, ® – 16	N/A	04	N/A	N/A
	Sem-III: (H) – 14, ® – 45		04	N/A	N/A
	Sem-V: (H) – 10, ® – 24		04	N/A	N/A
2022-2023 (1: 29)	Sem I(H)-18, ®-55	N/A	04	N/A	N/A
	Sem III(H)-16, ®-16		04	N/A	N/A
	Sem V(H)-14, ®-29		04	N/A	N/A

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)						
Year	Number of teachers on roll	Number of teachers using ICT (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques Used
2017-18	04	04	LCD Projector			
2018-19	04	04	LCD Projector			
2019-20	05	04	LCD Projector			
2020-21	05	04	Smart Board, LCD Projector	01	01	Zoom/WhatsApp
2021-22	05	04	Smart Board, LCD Projector	01	01	Zoom/Google Meet
2022-23	05	04	Smart Board , LCD Projector	01	01	Zoom/Google Meet

2.3.2 Students mentoring system available in the Department? Give details. (maximum 500 words)					
We have student mentoring system in our department. The four permanent faculties of the department are the mentors. In the first semester itself 3-5 students (as per enrolment) are enrolled as mentee under each mentor . Each faculty as a mentor provide necessary guidance and support to his/her respective mentees. The same mentor –mentee groups remain functional upto sixth semester. However, each faculty render support to the students in general beyond his/her own mentoring group. Till date only the students of the honours course have been brought under mentorship system .					

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.
04	04	Nil	Nil	03

2.6 Student Performance and Learning Outcomes					
2.6.2 Pass percentage of students (Major and General/ Regular)					
Year	Program me Code	Programme	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
2017-18	Science	B Sc.(Major)	11	11	100%
		B Sc.(General)	26	26	100%
2018-19		B Sc.(Major)	13	13	100%
		B Sc.(General)	05	03	60%
2019-20		B Sc.(Major)	12	12	100%
		B Sc.(Major)	12	12	100%
		B Sc.(General)	15	15	100%
2020-21		B Sc.(Major)	18	15	83.33%%
		B.Sc.(Regular)	23	18	78%
2021-22		B Sc.(Major)	08	07	87.5%
		B Sc(Regular)	23	16	69.56
2022-2023		B Sc.(Major)	13	13	100%
		B Sc(Regular)	29	29	100%

CRITERION III -RESEARCH, INNOVATIONS AND EXTENSION

3.3 Research Publications and Awards			
3.3.3 Research Publications in the Journals notified on UGC website during the year 2017-2021			
	Department	No. of Publication	Average Impact Factor, if any
National	Zoology	X	
International	Zoology	07	
3.3.3 Research Publications in the Journals notified on UGC website during the year 2022-2023			

International	Zoology	01				
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year 2022-2023						
Department		No. of publication				
Zoology		01				
Title of the Book		Title of the Chapter		Authors	Year of Publication	
Gibbon Conservation in the Anthropocene Edited by Susan M. Cheyne, Carolyn Thompson, Peng-Fei Fan and Helen J. Chatterjee.		Challenges and Prospects in the Conservation of Hoolock Gibbon in India.		Chetry. D. , Chetry, R. and Bhattacharjee, P.C.	2023 ished by Cambridge University Press. Pp. 166. ISBN 978-1-47941-7 Hardback.	
3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index : 2017-18						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Golden langur, <i>Trachypithecus geei</i> Khajuria, 1956.	Rekha Chetry	Primates in Peril: The World’s 25 most endangered Primates2016-2018.	2017		Department of Zoology, J.N.College, Boko	
Golden langur, <i>Trachypithecus geei</i> Khajuria, 1956	Rekha Chetry	Primates in Peril: The World’s 25 most endangered Primates2016-2018.	2019		Department of Zoology, J.N.College, Boko	
Conservation Status of the Golden Langur <i>Trachypithecus geei</i> in Chakrashila Wildlife Sanctuary, Assam, India	Rekha Chetry	<i>Primate Conservation</i>	2020		Department of Zoology, J.N.College, Boko	
Gibbon conservation in India.	Rekha Chetry	Cheetal: Journal of the Wildlife Preservation Society.	2020		Department of Zoology, J.N.College, Boko	
Golden langur beautiful species in danger.	Rekha Chetry	Cheetal: Journal of the Wildlife Preservation Society	2021		Department of Zoology, J.N.College, Boko	
The Eastern Hoolock Gibbon	Rekha Chetry	<i>Primate Conservation</i>	2021		Department of Zoology,	

<i>Hoolock leuconedys</i> Population in Assam, India, is on the Verge of Extinction.					J.N.College, Boko	
Connecting Fragments and Gibbons After a Century of Separation : A Natural Canopy Bridge at the Hollongapar Gibbon Wildlife Sanctuary, Assam, India..	Rekha Chetry	Primate Conservation	2022		Department of Zoology, J.N.College, Boko	
3.3.6 h-index of the Departmental Publications during the year. (based on Scopus/ Web of science)						
Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Conservation Status of the Golden Langur <i>Trachypithecus geei</i> in Chakrashila Wildlife Sanctuary, Assam, India	Rekha Chetry	Primate Conservation	2020	15		
Gibbon conservation in India.	Rekha Chetry		2020			
Golden langur beautiful species in danger.	Rekha Chetry		2021			
The Eastern Hoolock Gibbon <i>Hoolock leuconedys</i> Population in Assam, India, is on the Verge of Extinction.	Rekha Chetry	Primate Conservation	2021	15		
Connecting Fragments and Gibbons After a Century of Separation : A Natural Canopy Bridge at the	Rekha Chetry	Primate Conservation	2022	15		

Hollongapar Gibbon Wildlife Sanctuary, Assam, India..						
3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :2017-2018						
No. of Faculty	International level	National level		State level	Local level	
03	X	05		X	X	
3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :2018-2019						
X	X	X		X		
3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :2019-2020						
05	X	02		X	X	
3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :2020-2021						
01	01	X		X	X	
3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :2021-2022						
01		02		X	X	
3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :2022-2023						
X	01	X		X	01	
CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES						
4.1 Physical Facilities						
4.1.2 Details of augmentation in infrastructure facilities during the year						
Facilities			Existing	Newly added		
Departmental area			2518 Sq.ft.			
Class rooms			02			
Laboratories			02			
Classrooms with LCD facilities			02			
Classrooms with Wi-Fi/ LAN			02			
Seminar halls with ICT facilities			NIL			
Video Centre			NIL			
No. of important equipments purchased (≥ 1-0 lakh) during the current year.				03 i)Trinocular Microscope, ii. Gel Electrophoresis Unit , iii.Nikon DSLR 7500 Camera		
Value of the equipment purchased during the year (Rs. in Lakhs)				Rs.1500000/-(2020-2021)		
Others(Laboratory upgradation)						
4.2 Library as a Learning Resource						

4.2.1 Departmental Library Services: (2017-18)						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value in Rs
Text Books	248		11	2920	259	4085
Reference Books	38		2	1165	40	

4.2.1 Departmental Library Services: 2018-19						
	Existing		Newly added		Total	
	No.	Value		Value	No.	Value in Rs
Text Books	259		03	1475/-	262	
Reference Books	40		07	6269/-	47	

4.2.1 Departmental Library Services: 2019-20						
	Existing		Newly added		Total	
	No.	Value		Value	No.	Value in Rs
Text Books	262		61	20,135/-	323	
Reference Books	47		06	3,827/-	53	

4.2.1 Departmental Library Services: 2020-2021						
	Existing		Newly added		Total	
	No.	Value		Value	No.	Value in Rs
Text Books	323		30	8260	353	
Reference Books	53		18	25634	71	

4.2.1 Departmental Library Services: 2021-2022						
	Existing		Newly added		Total	
	No.	Value		Value	No.	Value in Rs
Text Books	353		12	3183/-	365	
Reference Books	71		NIL		NIL	

4.2.1 Departmental Library Services: 2022-23						
	Existing		Newly added		Total	
	No	Value		Value	No.	Value in Rs
Text Books	365		28	6,880		
Reference Books	Nil					

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

2017-18	01	B.Sc.	Zoology	Assam Don Bosco University	M.Sc. in Zoology
	01			Assam Don Bosco University	M.Sc. in Zoology
	01			Kochbehar , West Bengal	B.Ed.
	04			College of Education , Boko	B.Ed.
	01			Chhaygaon KRB College of Education	B.Ed.
	Total=08(61.53%)				
2018-19	01			Cotton State University	M.Sc. Environmental Biology and Wildlife Sciences
	01			Guwahati Commerce College	PGDCA
	01			College of Education , Boko	B.Ed.
	01			Chhaygaon KRB College of Education	B.Ed.
	Total-04(30.80%)				
2019-2020	01	B.Sc.	Zoology	Kaziranga University, Assam	M.Sc. in Microbiology
	01			Gauhati University, Assam	M.Sc. in Zoology
	01			D. K. College, Mirza, Assam	M.Sc. in Zoology
	01			Kaziranga University, Assam	M.Sc. in Microbiology
	Total=04(30.77%)				
2020-21	01	B.Sc.	Zoology	Assam University , Silchar	M.Sc. in Ecology
	02			J. N. College, Boko	PGDCA
	01			College of Education, Boko	B.Ed.
	Total=04 (26.66%)				
2021-2022	01	B.Sc.	Zoology	University of Science and Technology, Meghalaya	M.Sc. in Zoology
	02			Royal Global University, Guwahati , Assam	M.Sc. in Zoology
	01			D.K.College, Mirza, Assam	M.Sc. in Zoology
	01			Gauhati University, Guwahati, Assam	L.L.B.
	Total=05(71.42%)				

2022-2023	01			Kokrajhar Science College, Assam	M.Sc. in Zoology
	02	B.Sc.	Zoology	SARVA I.T.Educational Development(India)	PGDCA
	Total=03(21.42%)				

6.3 Faculty Empowerment Strategies

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	Date and Duration (from – to)
Short Term Course on Value Based Education at Human Resource Development Centre of University of North Bengal, Raja Rammohunpur, Darjeeling.	01	from July 25, 2018 to July 31, 2018
National Level One Week Online Faculty Development Programme on Development of E-Content in Teaching and ICT Based Assessment Tools. Organized by Department of Education, Mazbat College, Udalguri, BTAD, Assam in Association with B.S.V.S. Educational Learning Centre , Nagpur , Maharashtra.	01	from 12 th June to 17 th June , 2020
Faculty Development Programme on “e-Learning Tools and its uses for College Teachers” conducted by NIELIT ,Guwahati in collaboration with Jawaharlal Nehru College, Boko, Kamrup , Assam (under DBT Star Status Scheme)	03	from 25-6-2020 to 30-06-2020.
Online Faculty Development Programme (FDP) on Programming with Python, R and MATLAB organized by Department of Mathematics and IQAC of Jawaharlal Nehru College, Boko.	01	From 28th June to 30th July, 2021.
Hands on Training under FDP in Cytological and Histological Technique organized by Department of Zoology, Gauhati University.	01	24.12.2021 – 30.12.2021

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year 2022-2023

Online Field Study of the Himalayan Terai ARC organized by KARAVAN Heritage and Nature Society	01	27 th August to 2 nd September, 2022
Professional Development Programme on Implementation of NEP -2020 for University and College Teachers" organized by Indira Gandhi National Open University Staff Training and Research Institute of Distance Education Under Pandit Madan Mohan Malaviya National Mission on	03	12 -20th June , 2023

Teachers and Teaching.		
Faculty Development Programme on Academic Writing and Publication organized by Teaching Learning Centre, Tezpur University in association with Doomdooma College, Tinsukia and Raha College, Nagaon.	01	10-16th May, 2023

Record of Online Classes: Recorded in the college portal

Record of Online Webinar/Workshop etc:

Nil

Date	Time	Class	Topic	Platform	ID	Passw ord	No of Students	Rem ark
04.08.2020	11AM	”.	Webinar on “Fish Diversity: Fishery and Career Prospects in NE Indi	ZOOM			68 Teacher: 10 Students : 58	
15.08.2020	6PM	”.	International webinar on “Insights from Trans-disciplinary Approaches for Responding to Covid-19 Impacts in Aquatic-Social-Ecological Systems	ZOOM			474	
23.08.2020	3PM		National Webinar on “Use of Technologies in Wildlife Research with some Case Studies”	ZOOM			103	

Record of Admitted students: 2017-2018

Class	Male	Female	Total	General	SC	OBC/MOBC	ST(H)/ST(P)
TDC 1 st Sem (Major/Honours)	06	09	15	08		03	04
TDC 1 st Sem Regular	62	17	79	43	04	08	24
TDC 3 rd Sem (Major/Honours)	07	10	17	07	01	01	08
TDC 3 rd Sem Regular	42	07	49	35	05	03	06
TDC 5 th Sem (Major/Honours)	09	04	13	06	03	02	02
TDC 5 th Sem	30	01	31	20	4	-	7

Regular							
---------	--	--	--	--	--	--	--

Record of Admitted students: 2018-2019

Class	Male	Female	Total	General	SC	OBC/MOBC	ST(H)/ST(P)
TDC 1 st Sem (Major/Honours)	10	15	25	16	02	01	06
TDC 1 st Sem Regular	50	16	66	49	01	07	09
TDC 3 rd Sem (Major/Honours)	06	09	15	08		03	04
TDC 3 rd Sem Regular	43	12	55	34	2	3	16
TDC 5 th Sem (Major/Honours)	06	07	13	05	01		07
TDC 5 th Sem Regular	05		05	03	02		

Record of Admitted students: 2019-2020

Class	Male	Female	Total	General	SC	OBC/MOBC	ST(H)/ST(P)
TDC 1 st Sem (Honours)	05	11	16	05	02	01	08
TDC 1 st Sem Regular	32	20	52	26	03	09	14
TDC 3 rd Sem (Major)	05	13	18	11	02		05
TDC 3 rd Sem General	42	12	54	42	01	05	06
TDC 5 th Sem (Major)	05	08	13	07	03	03	
TDC 5 th Sem General	12	03	15	08	01	01	05

Record of Admitted students: 2020-2021

Class	Male	Female	Total	General	SC	OBC/MOBC	ST(H)/ST(P)
TDC 1 st Sem (Major/Honours)	09	07	16	06		02	08
TDC 1 st Sem Regular	27	21	48	14	04	10	20
TDC 3 rd Sem (Major/Honours)	04	06	10	03	02		05
TDC 3 rd Sem Regular	22	15	37	17	02	09	09
TDC 5 th Sem (Major/Honours)	05	13	18	11	02		05
TDC 5 th Sem Regular	25	02	27	25		02	

Record of Admitted students: 2021-2022

Class	Male	Female	Total	General	SC	OBC/MOBC	ST(H)/ST(P)
TDC 1 st Sem (Major/Honours)	12	10	22	3		01	18

TDC 1 st Sem Regular	14	02	16	07	05	03	01(P)
TDC 3 rd Sem (Major/Honours)	07	07	14	06		01	07(P)
TDC 3 rd Sem Regular	26	19	45	14	03	09	19
TDC 5 th Sem (Major/Honours)	04	06	10	03	02		05(P)
TDC 5 th Sem Regular	17	07	24	14	01	05	04(P)

Record of Admitted students: 2022-2023

Class	Male	Female	Total	General	SC	OBC/MOBC	ST(H)/ST(P)
TDC 1 st Sem Honours	10	08	18	7	4		7
TDC 1 st Sem Regular	33	22	55	45	02	04	04
TDC 3 rd Sem (Major/Honours)	12	10	22	3		01	18
TDC 3 rd Sem Regular	14	02	16	07	05	03	01(P)
TDC 5 th Sem (Major/Honours)	07	07	14	06		01	07(P)
TDC 5 th Sem Regular	24	05	29	10	03	04	12

*Dr. Rekha Chetry
Head of the Department
Department of Zoology
J..N.College, Boko*