

A. Department Profile: Feb. 2024 to April 2024



- i) **Name of the department** : Department of Zoology
- ii) **Date of Establishment** : 1984
- iii) **Vision and Mission** : Department of Zoology, Lumding College has been established with an aim to educate students and to provide adequate information related to the subject so as to aware the stakeholders for a better society. Concomitantly, students are enriched with basics of Zoology well as creating skilled human resources in the field of 'Zoology' by offering learning opportunities and working experiences of highest academic standards.
- iv) **Courses Offered** : HS 1st year, HS 2nd Year, B. Sc. in Zoology (Honors and Regular) courses.
- v) **Name of Departmental Teacher(s)** : 1. Dr. Sanghamitra Das (Bose), Head, Associate Professor
2. Dr. Satyajit Das, Assistant Professor
3. Miss Deborah Daolagupu, Assistant Professor
4. Dr. Abhishek Mazumder, Assistant Professor
- vi) **Student Progression (last five years)** :

Sl. No	Name	Batch	Qualification	MSc/ PhD/Designation
1.	Miss Ranjuli Hasnu	2021	B. Sc. (Zoology)	M.Sc (Zoology)
2.	Mr. Manish Prasad	2021	B. Sc. (Zoology)	M.Sc (Zoology)
3.	Mr. Sarwan Kumar Majhi	2021	B. Sc. (Zoology)	Del.Ed under KKHSOU
4.	Miss Sarita Kumari	2021	B. Sc. (Zoology)	Asstt. Teacher, LPS.
5.	Mr. Rupak Malakar	2022	B. Sc. (Regular)	AP, Fire service dept.



6.	Mr. Manohar Chauhan	2022	B. Sc. (Zoology)	AP, Fire service dept.
7.	Mr. Manoj Kumar Pandit	2022	B.Sc. (Regular)	AP, Fire service dept.
8.	Mr. Anish Kumar	2022	B. Sc. (Zoology)	Asstt. Teacher, LPS.
9.	Miss Dona Mazumdar	2022	B. Sc. (Zoology)	M.Sc (Zoology)
10.	Miss Nikita Parbosa	2022	B. Sc. (Zoology)	M.Sc (Zoology)
11.	Miss Gitanjali Sahu	2022	B. Sc. (Zoology)	M.Sc (Zoology)
12.	Miss Tinamoni Das	2022	B. Sc. (Zoology)	M.Sc (Zoology)
13.	Miss Ranjuni Singh	2021	B. Sc. (Zoology)	MBBS
14.	Miss Mayurakshi Bhattacharjee	2021	B. Sc. (Zoology)	BDS
15.	Mr. Manish Kumar	2021	B. Sc. (Zoology)	M.Sc (Zoology)
16.	Shristi Lodh	2023	B.Sc. (Zoology)	M.Sc. (Zoology)
17.	Subhashish Debnath	2023	B.Sc. (Zoology)	B.Sc. in Fisheries
18.	Sweety Dey	2023	B.Sc. (Zoology)	BSc. Nursing
19.	Rohit Das	2023	B.Sc. (Zoology)	MBBS, Nalbari Medical College, Assam
20.	Manjit Kumar Sah	2023	B.Sc. 3rd Sem Zoo	Assam Rifles
21.	Miss Dona Mazumder	2022	B.Sc. (Zoology)	PO, Canara bank

**vii) Notable Alumni from the :
Department since inception**

Sl. No	Name	Batch	Qualification	Designation
1	Dr. Abhishek Raha		Doctor	
2	Dr. Nilika Thaosen		Doctor	
3	Mr. Sauvik Dasgupta		Research scientist	
4	Mr. Kanak Chakraborty		Researcher	
5	Mr. Aklesh Kumar		Research scientist	
6	Miss. Dipika Parbosa		Assistant Professor	
7	Mr. Biswadip Sen		Researcher	

8	Mr. Hillol Das		
9	Mr. Abhijit Mandal	Researcher	
		Researcher	

viii) Departmental activities during the (period)

:

1. We the faculty members of Department initiated one Add on Course on "EIA and EMP" in association with Aranyak, A society for biodiversity conservation (NGO).
2. Miss Tanvi Hussain, the resource person of Aranyak has an interactive session with the students and emphasized about the main goal and importance of Environment and its impact assessment. She also elaborated about the importance of environment protection so as to have a sustainable ecosystem.
3. The department also started two more add-on Course on "Sericulture", Course coordination Dr. Abhishek Mazumder, assistant Professor, dept. of Zoology and " Induced Breeding in Freshwater fishes", Course coordination Dr. Satyajit Das, assistant Professor, dept. of Zoology.
4. The students were involved in the weeklong programme on promoting Environment conservation practices. Students were aware about the no use of single used plastic, less use of papers to digitalise the campus, food distribution so as to minimize the wastage of food (specially the restaurant, canteen, hostels etc.)
5. . Group Discussion: Topic: importance of


research, research report writing, powerpoint presentation preparation, biodiversity and it's importance etc

Participated by: T.D.C. 5th sem (Honours), 3rd Sem (Honours/Generic/ Regular), FYUGP 1st sem students.

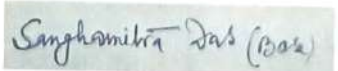
Venue: Department of Zoology, Lumding College.

- 6. Departmental Wall magazine:** The department has organized art exhibition on the occasion of world water day on 22nd March 2024 in the presence of respected Principal, Lumding College, and other faculty members of the College.

- ix) NAAC Awareness Programme** : Students were suggested to go through the importance of their academic accomplishment in NAAC accreditation and were suggested to take active participation in different activities performed by the different committees of the Institution.
- x) Student Satisfactory Survey** : Regular feedback of the students were qualitatively analysed on the completion of the syllabus, material and methodology followed, Power point presentation etc.
- xi) Analysis of each semester result** : Each semester results were placed in the departmental meeting held on 04th March 2024 and students were advised to go through research works and the importance of research in the recent world.

Verified


Principal
Lumding College
Lumding, Hojai, Assam



(Dr. Sanghamitra Das Bose)
Head
Department of Zoology

B. Teachers' Quarterly Profile: Feb 2024 to Apr 2024



- i) **Name of the teacher:** Dr. Sanghamitra Das (Bose)
- ii) **Qualification:** M.Sc., PG dip. in Ecology and Environment, Ph.D. LL.B
- iii) **Date of Joining:** 03rd October, 1989
- iv) **Email:** sanghamitradasbose@gmail.com
- v) **Specialization Area:** Entomology and Biodiversity
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUDP 2 nd Sem (Core)	ZOO-1021	Unit 3- Migration in fishes, Parental care in Amphibia, Flight adaptation in birds, Biting Mechanism in birds	All completed. Completed
2 nd Sem (Core)	VAC	Unit 3	Completed
2 nd Sem (Core) SEC	Sericulture and its prospects	Unit 1 & 2	Completed
T.D.C 4 th Sem (HONS)	ZOO-HC-4016	Unit 2, 8,	Completed
	ZOO-HC-4026	Unit 1, 3,	Completed
	ZOO-HC-4036	Unit 1	Completed
T.D.C. 4 th Sem (RC/HG)	ZOO-RC-4016	Unit 2	All completed
T.D.C.6 th Sem (HONS)	ZOO-HE-6036	Entirely	All completed
T.D.C.6 th Sem RE	ZOO-RE-6026	Entirely	All completed



Vii) Extension activities undertaken during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write research articles They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar.

IX) Any other works pertaining to the overall development of the college during the (period):

X) Academic works during the (period):

i. Participated in International Seminar on “COMPARATIVE LITERATURE: IN THE CROSSROADS OF HISTORY, CULTURE AND SOCIETY” organized by Department of Bengali, Lumding College in collaboration with Department of Bengali, Govt. B. L. College, Khulna, Bangladesh & Department of Bengali, RTU, Hojai.

Verified

Sanghamitra Das (Bose)

Signature of Teacher

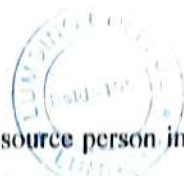
Ahmedul Hossain
Principal
Lumding College
Lumding, Hojai, Assam



B. Teachers' Quarterly Profile: Feb 24 to Apr 24

- i) **Name of the teacher:** Dr. Satyajit Das
- ii) **Qualification:** M.Sc, PhD, SLET
- iii) **Date of Joining:** 24th Feb 2021
- iv) **Email:** satyajitdasaufm@gmail.com
- v) **Specialization Area:** Fishery Science and aquaculture biotechnology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUDP 2 nd Sem (Core)	ZOO-1021	Unit 2 , General characteristics and classification of Hemichordata, Urochordata, and Cephalochordata, General characteristics and classification of Chondrichthyes and Osteichthyes	All completed.
2 nd Sem SEC	Sericulture	Unit 3- Rearing House and Appliances	Completed
T.D.C 4 th Sem (HONS)	ZOO-HC-4016	Unit 3, Unit 6	All completed
	ZOO-HC-4026	Unit 2 & 3	
	ZOO-HC-4036	Unit 2 & 5	
4 th Sem SEC	ZOO-SEC- 4024	All the units	All completed
T.D.C. 4 th Sem (RC/HG)	ZOO-RC-4016	Unit 6, 7 & 8	All completed
T.D.C. 6 th Sem (HONS)	ZOO-HC-6016	Unit 4, 5	Completed entirely.
	ZOO-HC-6026	Unit 4, 5	Completed entirely.
T.D.C. 6 th Sem RE	ZOO-SE-6016	Unit 4, 5	Completed



Vii) Extension activities undertaken during the (period): Acted as a resource person in a Career counseling program, organized by the BLV Hindi High School, Lumding to nourish the young minds and to choose their career in future.

Viii) Student related activities during the (period): Assignments related to their syllabus has been assigned to the students with an aim to have more preparation for the final examination, solved the previous year's question papers, and had a discussion with the students regarding their Skill enhancement courses, to build up their skills in practical and utilization in present life. Students were advised and practiced how to prepare projects, PowerPoint presentation and to write research articles. The FYUGP students were made understandable in several group discussions about the NEP 2020 and the importance of the subjects assigned as major/minor/core etc.

IX) Any other works pertaining to the overall development of the college during the (period):

Moreover, I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as an active working Member of: -

1. Governance, leadership and management Cell.
2. Research Cell, IQAC, Lumding College.
3. Admission committee for the session 2022-23, Lumding College.
4. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
5. NSS and Extension Activity Cell, IQAC, Lumding College
6. Language Lab Management Committee, IQAC, Lumding College.
7. Sports Committee, IQAC, Lumding College
8. Environment and Climate Cell, Lumding College, Lumding
9. Green Audit Committee, Lumding College, Lumding
10. Standard Clubs, Lumding College, Lumding.
11. Course coordinator of Certificate course of Induced Breeding in Freshwater fishes, Lumding College.

X) Academic works during the (period):

Act as session coordinator in International Seminar on “**COMPARATIVE LITERATURE: IN THE CROSSROADS OF HISTORY, CULTURE AND SOCIETY**”

organized by Department of Bengali, Lumding College in collaboration with Department of Bengali, Govt. B. L. College, Khulna, Bangladesh & Department of Bengali, RTU, Hojai.



Verified

Dr. Satyajit Das.

Signature of Teacher

Abandhuvi
Principal
Lumding College
Lumding, Hojai, Assam

3. Teachers' Quarterly Profile: Feb 2024 to Apr 2024



- i) **Name of the teacher:** Dr. Abhishek Mazumder
- ii) **Qualification:** M.Sc, PhD, NET
- iii) **Date of Joining:** 24th Sep 2022
- iv) **Email:** mazumder.abhishek88@gmail.com
- v) **Specialization Area:** Cell and Molecular biology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUDP 2 nd Sem (Core)	ZOO-1021	Unit I , Origin of Chordates-Dipleurula concept and Echinoderm theory, General characteristics and classification of Chordates	All completed. Completed
2 nd Sem SEC	SEC0210103: Sericulture and its Prospects Natural and Physical Science	Unit V, Pests and Diseases of Silkworms,	Completed
2 nd Sem MDC		Colloids, Carbohydrates	Completed
T.D.C 4 th Sem (HONS)	ZOO-HC-4016 ZOO-HC-4026 ZOO-HC-4036	Unit 4, Unit 5 Unit 4 & 1 Unit 3 & 5	All completed
T.D.C. 4 th Sem (RC/HG)	ZOO-RC-4016	Unit 3 & 4	All completed
T.D.C. 6 th Sem (HONS)	ZOO-HC-6016 ZOO-HC-6026	Unit 4, 5 Unit 4, 5	Completed entirely. Completed entirely.

Vii) Extension activities undertaken during the (period): Helped and guided the students to prepare the project report and make the power point presentation in

departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, PowerPoint presentation and to write research articles they were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar.

IX) Any other works pertaining to the overall development of the college during the (period):

Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.

As a member of various committees, I have extended my service for the wellbeing of the students and college. Actively performed the allotted duties and responsibilities as Member of committees:

1. Members of EVS Committee
2. Member of Admission Committee,
3. Academic research development and policy making committee, Lumding College.
4. Certificate course of Mushroom culture, Lumding College.
5. Certificate course of Vermicomposting, Lumding College.
6. Certificate course of Apiculture, Lumding College.
7. Course coordinator of Certificate course of Sericulture, Lumding College.

X) Academic works during the (period):

1	Acts as supervising Officer for High School Leaving Certificate Examination, 2024		16 th Feb to 4 th March 2024	Board of Secondary Education, Assam
2	Five days Workshop on "Intellectual Property & People's Rights"	Online	08 th to 12 th April 2024	IKS-TKDL, UGC-HRDC, New Delhi.

Verified

Abhishek Masumder

Signature of Teacher

Abhandawar
Principal
Lumding College
Lumding, Naga, Assam



A. Department Profile: Nov 2023- Jan 2024

Name of the department : Department of Zoology

Date of Establishment : 1984

Vision and Mission : Department of Zoology, Lumding College has been established with an aim to educate students and to provide adequate information related to the subject so as to aware the stakeholders for a better society. Concomitantly, students are enriched with basics of Zoology well as creating skilled human resources in the field of 'Zoology' by offering learning opportunities and working experiences of highest academic standards.

Courses Offered : HS 1st year, HS 2nd Year, B. Sc. in Zoology (Honors and Regular) courses.

Name of Departmental Teacher(s) : 1. Dr. Sanghamitra Das (Bose), Head, Associate Professor
2. Dr. Satyajit Das, Assistant Professor
3. Miss Deborah Daolagupu, Assistant Professor
4. Dr. Abhishek Mazumder, Assistant Professor

i) Student Progression (last five years) :

Sl. No	Name	Batch	Qualification	MSc/ PhD/Designation
1.	Miss Ranjuli Hasnu	2021	B. Sc. (Zoology)	M.Sc (Zoology)
2.	Mr. Manish Prasad	2021	B. Sc. (Zoology)	M.Sc (Zoology)
3.	Mr. Sarwan Kumar Majhi	2021	B. Sc. (Zoology)	Del.Ed under KKHSOU
4.	Miss Sarita Kumari	2021	B. Sc. (Zoology)	Asstt. Teacher, LPS.
5.	Mr. Rupak Malakar	2022	B. Sc. (Regular)	AP, Fire service dept.



6.	Mr. Manohar Chauhan	2022	B. Sc. (Zoology)	AP, Fire service dept.
7.	Mr. Manoj Kumar Pandit	2022	B.Sc. (Regular)	AP, Fire service dept.
8.	Mr. Anish Kumar	2022	B. Sc. (Zoology)	Asstt. Teacher, LPS.
9.	Miss Dona Mazumdar	2022	B. Sc. (Zoology)	M.Sc (Zoology)
10.	Miss Nikita Parbosa	2022	B. Sc. (Zoology)	M.Sc (Zoology)
11.	Miss Gitanjali Sahu	2022	B. Sc. (Zoology)	M.Sc (Zoology)
12.	Miss Tinamoni Das	2022	B. Sc. (Zoology)	M.Sc (Zoology)
13.	Miss Ranjuni Singh	2021	B. Sc. (Zoology)	MBBS
14.	Miss Mayurakshi Bhattacharjee	2021	B. Sc. (Zoology)	BDS
15.	Mr. Manish Kumar	2021	B. Sc. (Zoology)	M.Sc (Zoology)
16.	Shristi Lodh	2023	B.Sc. (Zoology)	M.Sc. (Zoology)
17.	Subhashish Debnath	2023	B.Sc. (Zoology)	B.Sc. in Fisheries
18.	Sweetey Dey	2023	B.Sc. (Zoology)	BSc. Nursing
19.	Rohit Das	2023	B.Sc. (Zoology)	MBBS, Nalbari Medical College, Assam
20.	Manjit Kumar Sah	2023	B.Sc. 3rd Sem Zoo	Assam Rifles

**vii) Notable Alumni from the :
Department since inception**

Sl. No	Name	Batch	Qualification	Designation
1	Dr. Abhishek Raha		Doctor	
2	Dr. Nilika Thaosen		Doctor	
3	Mr. Sauvik Dasgupta		Research scientist	
4	Mr. Kanak Chakraborty		Researcher	
5	Mr. Aklesh Kumar		Research scientist	
6	Miss. Dipika Parbosa		Assistant Professor	
7	Mr. Biswadip Sen		Researcher	
8	Mr. Hillol Das		Researcher	



iii) **Departmental activities during the (period)**

- :
1. We the faculty members of Department initiated one Add on Course on "EIA and EMP" in association with Aranyak, A society for biodiversity conservation (NGO).
 2. Miss Tanvi Hussain, the resource person of Aranyak has an interactive session with the students and emphasized about the main goal and importance of Environment and its impact assessment. She also elaborated about the importance of environment protection so as to have a sustainable ecosystem.
 3. The students were involved in the weeklong programme on promoting Environment conservation practices. Students were aware about the no use of single used plastic, less use of papers to digitalise the campus, food distribution so as to minimize the wastage of food (specially the restaurant, canteen, hostels etc.).
 4. Departmental seminar and group discussion was organized by the department and the students were allowed to present their work in PowerPoint presentation mode.
Dr. Abhijit Katoki, Associate professor of RT RT University, Hojai was the resource persons throughout the seminar.
 5. Dr. Katoki sir appreciated the work done by the students during the period enlightened the students with his vast knowledge of experience



in the field of Entomology and the diversity of the environment.

6. . **Group Discussion:** Topic: importance of research, research report writing, powerpoint presentation preparation, biodiversity and it's importance etc

Participated by: T.D.C. 5th sem (Honours), 3rd Sem (Honours/Generic/ Regular), FYUGP 1st sem students.

Venue: Department of Zoology, Lumding College.

7. **Departmental Wall magazine:** The prestigious Zoonic corner Wall Magazine of the Department of Zoology, Lumding College has been inaugurated on 17th of November 2023 in the presence of respected Principal, Lumding College, other faculty members of the college and Miss Tanvi Hussain, Resource person, Aranyak, NGO, Guwhati.

- x) **NAAC Awareness Programme** : Students were suggested to go through the importance of their academic accomplishment in NAAC accreditation and were suggested to take active participation in different activities performed by the different committees of the Institution.
- x) **Student Satisfactory Survey** : Regular feedback of the students were qualitatively analysed on the completion of the syllabus, material and methodology followed, Power point presentation etc.
- xi) **Analysis of each semester result** : Each semester results were placed in the departmental meeting held on 16th November 2023 and students



were advised to go through research works and the importance of research in the recent world.

Sanghamitra Das (Bose)

(Dr. Sanghamitra Das Bose)
Head
Department of Zoology

Verified

Chandani
Principal
Lumding College
Lumding, Hojai, Assam



B. Teachers' Quarterly Profile: Nov 2023 to Jan 2024

- i) **Name of the teacher:** Dr. Abhishek Mazumder
- ii) **Qualification:** M.Sc, PhD, NET
- iii) **Date of Joining:** 24th Sep 2022
- iv) **Email:** mazumder.abhishek88@gmail.com
- v) **Specialization Area:** Cell and Molecular biology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUDP 1stSem (Core)	ZOO-1011	Unit 2 , Annelida, Arthropoda Unit 3, Vision and repiration in Arthropoda, Excretion and annelida	All completed.
1 st Sem SEC	Apiculture	Unit 2, 3	Completed
1 st Sem MDC	NPS	Unit 1	Completed
1stSem (Core)	VAC (Commerce & Arts)	Unit 2, 3	Completed
T.D.C 3RD Sem (HONS)	ZOO-HC-3016	Unit 2, Unit 5, Unit 6	All completed
	ZOO-HC-3026	Unit 2, Unit 4	
	ZOO-HC-3036	Unit 1, 3, 4, 5	
T.D.C. 3RD Sem (RC/HG)	ZOO-RC-3016	Unit 5, 6	All completed
T. D. C. 3 rd Sem SEC	Apiculture	Unit 2, 3	
T.D.C.5 th Sem (HONS)	ZOO-HC-5026 ZOO-HC-5016	Unit 4, 5 Unit 1, 3, 4, 5	Completed entirely. Completed entirely.
T.D.C. 5 th Sem (RC/HG)	ZOO-RE-5026	Unit 3, 4, 6, 8	Completed



Vii) Extension activities undertaken during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar.

IX) Any other works pertaining to the overall development of the college during the (period):

Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.

As a member of various committees, I have extended my service for the wellbeing of the students and college. Actively performed the allotted duties and responsibilities as Member of committees:

1. Members of EVS Committee
2. Member of Admission Committee,
3. Academic research development and policy making committee, Lumding College.
4. Certificate course of Mushroom culture, Lumding College.
5. Certificate course of Vermicomposting, Lumding College.
6. Certificate course of Apiculture, Lumding College.

X) Academic works during the (period):

1	One Day National Seminar on " Human Rights and Gender Justice"	offline	12 th December 2023	Dept. of Bengali in association with Research and Dev. Cell, Lumding College in collaboration with RTU, Hojai.
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Verified

Abhishek Masumder

Signature of Teacher

Abhanevi
Principal
Lumding College
Lumding, Hojai, Assam



B. Teachers' Quarterly Profile (Nov-Dec 2023 and Jan 2024)

- i) **Name of the teacher:** Miss Deborah Daolagupu
- ii) **Qualification:** M.Sc., Ph.D. (pursuing at Assam University, Silchar)
- iii) **Date of Joining:** 1st December, 2021
- iv) **Email:** ddaolagupu15@yahoo.com
- v) **Specialization Area:** Ecology and Wildlife Biology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
HS 1 st Year	1. Unit 7 2. Unit 18	1. Structural organization in animals. 2. Body fluids and circulation.	Completed
HS 1 st Year (EVS)	1. Unit 1 2. Unit 2 3. Unit 3 4. Unit 4 5. Unit 5 6. Unit 6	1. Basic concepts of environment 2. Ecological Concept 3. Biodiversity and its conservation. 4. Natural Resources 5. Environmental pollution 6. Social issues and environment.	All allotted portions are completed, project work along with assignments were also assigned to the students.
HS 2 nd Year	1. Unit 3 2. Unit 7	1. Reproductive health 2. Human health and disease.	Completed
FYUGP 1 st Sem (Core)	Unit 1 Platyhelminthes Nemathelminthes Unit 2	General characters and classification up to Classes Parasitic adaptations in helminthes - <i>Fasciola hepatica</i> and <i>Wuchereria bancrofti</i> .	All allotted portions are completed, along with practicals and notes have also been provided.

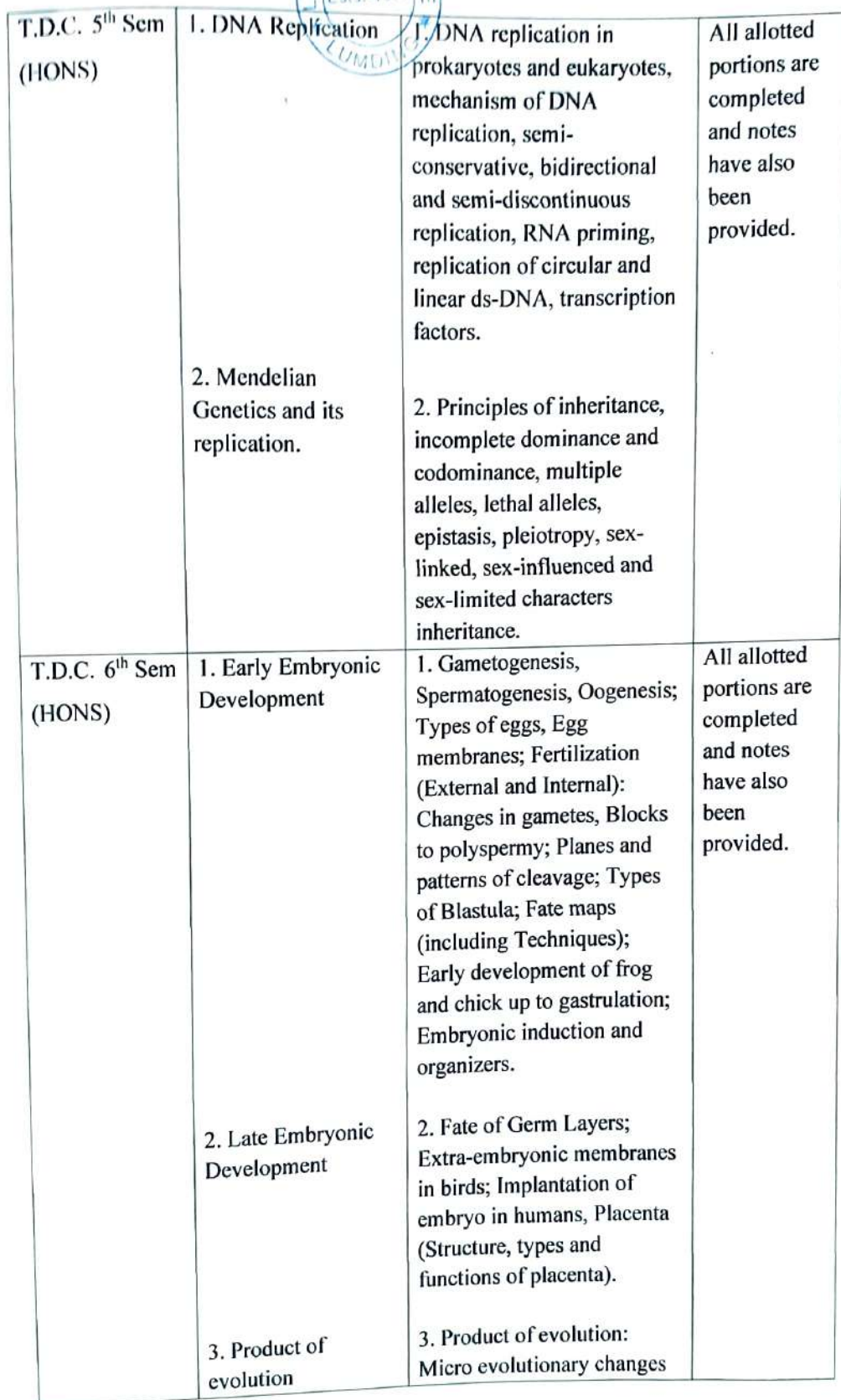


FYUGP Sem (SEC)	1 st	Unit 3: Bee Economy and Entrepreneurship in Apiculture	Apiculture industry and products of bees and their uses (honey, bees wax, propolis, pollen, etc.)	Course completed.
FYUGP Sem (EVS)	1 st	Unit 1: Environmental Education Unit 2: Disaster Management Unit 3: Road Safety	Chapter 1: Basic Concept of Environment. Chapter 2: Ecological Concept Chapter 3: Biodiversity and its conservation Chapter 4: Natural Resources Chapter 5: Environmental Pollution Chapter 6: Social Issues and Environment Responsibilities and Precautions What does road safety mean, causes of road accidents, issues of road safety, motor vehicle laws, traffic light, road signs	All allotted portions are completed, project work along with assignments were also assigned to the students.
FYUGP Sem (Core)	2 nd	Unit 3	1. Advanced features of vertebrate over protochordate. Overview of axial and appendicular skeleton, jaw suspensorium, arches. 2. General characteristics and classification of Cyclostomes up to Class. 3. General characteristics and classification of Chondrichthyes and Osteichthyes, classification up to Order. 4. Origin of Tetrapoda.	All allotted portions are completed, along with practicals and notes have also been provided.

T.D.C. 3 rd Sem (HONS)	1. Amphibia	1. Origin of Tetrapoda, general characteristics and classification up to Order, parental care in Amphibians.	All allotted portions are completed and notes have also been provided.
	2. Reptilia	2. General characteristics and classification up to Order. Affinities of Sphenodon, Poison apparatus and biting mechanism in snakes.	
	3. Aves	3. General characteristics and classification up to Order. Archaeopteryx – a connecting link, principles and aerodynamics of flight, Flight adaptation and migration in birds.	
	4. Mammals	4. General characteristics and classification up to Order. Affinities of Prototheria, Adaptive radiation w.r.t locomotory appendages.	
	5. Bone and cartilage	5. Structure and types of bone and cartilage, ossification, bone growth and resorption.	
	6. Muscle	6. Histology of different types of muscle, Ultrastructure of skeletal muscle, Molecular and chemical basis of muscle contraction, Characteristics of muscle twitch, motor unit, summation and tetanus	
	7. Proteins	7. Amino acids, Proteins	
T.D.C. 3 rd Sem (RC/HG)	1. Cardiovascular system	1. Composition of blood, hemostasis, structure of heart, origin and conduction	All allotted portions are completed and notes



		of cardiac impulse, cardiac cycle	have also been provided.
T.D.C. 4 th Sem (HONS)	1. Integumentary system 2. Nervous system 3. Physiology of heart	1. Structure, functions and derivatives of integument. 2. Comparative account of brain. Autonomic nervous system, Spinal cord, Cranial nerves in mammals. 3. Structure of mammalian heart; Coronary circulation; Structure and working of conducting myocardial fibers. Origin and conduction of cardiac impulses Cardiac cycle; Cardiac output and its regulation, Frank-Starling Law of the heart, nervous and chemical regulation of heart rate. Electrocardiogram, Blood pressure and its regulation	All allotted portions are completed and notes have also been provided.
T.D.C. 4 th Sem (RC/HG)	1. Introduction to Genetics 2. Processes of Evolutionary Change 3. Species Concept	1. Mendel's work on transmission of traits, Genetic Variation, Molecular basis of Genetic Information. 2. Organic variations; Isolating Mechanisms; Natural selection (Example: Industrial melanism); Types of natural selection (Directional, Stabilizing, Disruptive), Artificial selection 3. Biological species concept (Advantages and Limitations); Modes of speciation (Allopatric, Sympatric)	All allotted portions are completed and notes have also been provided. Chapter in progress.





	4. Unit 7	(inter-population variations, clines, races, Species concept, Isolating mechanisms, modes of speciation—allopatric, sympatric, Adaptive radiation / macroevolution (exemplified by Galapagos finches). 4. Extinctions, Background and mass extinctions (causes and effects), detailed example of K-T extinction	
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Vii) Extension activities undertaken during the (period):

- Appointed as an External Evaluator for Gunotsav 2024 from 4th to 6th January 2024.
- Appointed as a member of the Refreshment Committee, in the National Seminar on Human Rights and Gender Justice, organized by the department of Bengali, Lumding College in collaboration with the department of Bengali, Rabindranath Tagore University, Hojai, Assam and Research and Development Cell, Lumding College on 12th December 2023.

Viii) Student related activities during the (period):

Group discussions were conducted during that period with students of major, regular/generic students of our department. Discussions with the students regarding their Skill enhancement course, to build up their skills in practical were discussed. They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period):



- Covered reports of various events held at the college during the period November 2023 to January 2024 for the Rapporteur Committee, IQAC, Lumding College, Lumding.
- Took EVS classes for HS and FYUGP first semester classes.

I have also been appointed by the Principal, Lumding College in different Committees under IQAC as active working Member of: -

1. Admission committee for the session 2022-23, Lumding College.
2. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
3. Campus Cleanliness Committee, IQAC, Lumding College
4. Cultural and Literary Activities Committee, IQAC, Lumding College.
5. Remedial Coaching Committee, IQAC, Lumding College
6. Environment and Climate Cell, Lumding College, Lumding
7. Rapporteur Committee, IQAC, Lumding College, Lumding
8. Mentoring Programme Committee, IQAC, Lumding College, Lumding

X) Academic works during the (period):

- a) Have set question paper for sessional examinations of the degree courses.
- b) Completed a short term course on NEP Orientation & Sensitization under Malaviya Mission Teacher Training Program (MM-TTP) of the University Grants Commission (UGC) organized by MMTTC, Tezpur University from 18/01/2024 to 30/01/2024.

Verified



Signature of Teacher


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile: Nov 23 to Jan 24



- i) **Name of the teacher:** Dr. Satyajit Das
- ii) **Qualification:** M.Sc, PhD, SLET
- iii) **Date of Joining:** 24th Feb 2021
- iv) **Email:** satyajitdasaufm@gmail.com
- v) **Specialization Area:** Fishery Science and aquaculture biotechnology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUGP 1stSem (Core)	ZOO-1011	Unit , PROTISTA, PORIFERA Unit 3, locomotion and reprod. In Protista, canal system in sycon, spicules in sponges, water vascular System in Echinodermata.	All completed.
1 st Sem SEC	Apiculture	Unit 1, 2	Completed.
1stSem (VAC)	EVS (Science)	Unit 2	Completed
H.S 1 st year	EVS (Science)	Entire syllabus	Completed
T.D.C 3RD Sem (HONS)	ZOO-HC-3016 ZOO-HC-3026 ZOO-HC-3036	Unit 1, Unit 3, Unit 4 Unit 1, Unit 2 Unit 3 Unit 1, 2, 3, 4, 5	All completed
T.D.C. 3RD Sem (RC/HG)	ZOO-RC-3016	Unit 1, 2, 3, 4	All completed
T. D. C. 3 rd Sem SEC	Apiculture	Unit 1, 3	
T.D.C.5 th Sem (HONS)	ZOO-HC-5026 ZOO-HE-5016	Unit 2, 3 Entirely	Completed entirely. Completed entirely.

T.D.C. 5 th Sem (RC/HG)	ZOO-SEC	Non mulberry and sericulture entirely	All allotted portions are completed
T.D.C. 5 th Sem (RC/HG)	ZOO-RE-5026	Unit 1, 2, 7, 8, 9	Completed
FYUGP 2 nd Sem	ZOO-1021	Unit 2	General characters of hemichordata completed, Rest of the portion yet to finish.
FYUGP 2 nd Sem SEC	Sericulture and its prospects	Unit- II	Life cycle of mulberry completed, Rest of the portion yet to finish.

Vii) Extension activities undertaken during the (period): Acted as a resource person in a Career counseling program, organized by the BLV Hindi High School, Lumding to nourish the young minds and to choose their career in future.

Viii) Student related activities during the (period): Assignments related to their syllabus has been assigned to the students with an aim to have more preparation for the final examination, solved the previous year's question papers, and had a discussion with the students regarding their Skill enhancement courses, to build up their skills in practical and utilization in present life. Students were advised and practiced how to prepare projects, PowerPoint presentation and to write research articles. The FYUGP students were made understandable in several group discussions about the NEP 2020 and the importance of the subjects assigned as major/minor/core etc.

IX) Any other works pertaining to the overall development of the college during the (period):



Moreover, I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as an active working Member of: -

1. Governance, leadership and management Cell.
2. Research Cell, IQAC, Lumding College.
3. Admission committee for the session 2022-23, Lumding College.
4. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
5. NSS and Extension Activity Cell, IQAC, Lumding College
6. Language Lab Management Committee, IQAC, Lumding College.
7. Sports Committee, IQAC, Lumding College
8. Environment and Climate Cell, Lumding College, Lumding
9. Green Audit Committee, Lumding College, Lumding
10. Standard Clubs, Lumding College, Lumding.

X) Academic works during the (period):

1	One Day National Seminar on "Human Rights and Gender Justice"	offline	12 th December 2023	Dept. of Bengali in association with Research and Dev. Cell, Lumding College in collaboration with RTU, Hojai.
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Verified

Dr. Satyajit Das.

Signature of Teacher

R. Bhattacharya
Principal
Lumding College
Lumding, Hojai, Assam

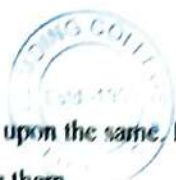
B. Teachers' Quarterly Profile: Nov 2023 to Jan 2024



- i) **Name of the teacher:** Dr. Sanghamitra Das (Bose)
- ii) **Qualification:** M.Sc., PG dip. in Ecology and Environment, Ph.D, LL.B
- iii) **Date of Joining:** 03rd October, 1989
- iv) **Email:** sanghamitradasbose@gmail.com
- v) **Specialization Area:** Entomology and Biodiversity
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUDP	ZOO-1011	Unit 1	All completed.
1stSem (Core)		Unit 2, 3	Completed
1stSem (Core)	VAC	Unit 3	Completed
H.S 1 st year	EVS (Arts & Commerce)	Unit 4, 5	Completed
T.D.C 3RD Sem (HONS)	ZOO-HC-3016 ZOO-HC-3026 ZOO-HC-3036	Unit 2, 6,	Completed
T.D.C. 3RD Sem (RC/HG)	ZOO-RC-3016	Unit 1, 2	All completed
T. D. C. 3 rd Sem SEC	Apiculture	Unit 1, 2,	
T.D.C.5 th Sem (HONS)	ZOO-HE-5036	Entirely	All completed

Vii) Extension activities undertaken during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus



where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar.

IX) Any other works pertaining to the overall development of the college during the (period):

X) Academic works during the (period):

Sl. Nos.	Course Name	Mode (online/ offline)	Period	Name of the University
1	Orientation programme on " Drive against superstition"	Offline	11 Dec 2023	ASTEC and Science Tech and Climate Change Dept., Govt. of Assam
2	One Day National Seminar on " Human Rights and Gender Justice"	offline	12 th December 2023	Dept. of Bengali in association with Research and Dev. Cell, Lumding College in collaboration with RTU, Hojai.

Sanghamitra Deka (B.Ed.)

Signature of Teacher

Verified

Phandhuri
Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile: Aug 2023 to October 2023



- i) **Name of the teacher: Dr. Sanghamitra Das (Bose)**
- ii) **Qualification: M.Sc., PG dip. in Ecology and Environment, Ph.D, LL.B**
- iii) **Date of Joining: 03rd October, 1989**
- iv) **Email: sanghamitradasbose@gmail.com**
- v) **Specialization Area: Entomology and Biodiversity**
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUDP	ZOO-1011	Unit 1	All completed.
1stSem (Core)		Unit 2, 3	Completed
1stSem (Core)	VAC	Unit 3	Completed
H.S 1 st year	EVS (Arts & Commerce)	Unit 4, 5	Completed
T.D.C 3RD Sem (HONS)	ZOO-HC-3016 ZOO-HC-3026 ZOO-HC-3036	Unit 2, 6,	Completed
T.D.C. 3RD Sem (RC/HG)	ZOO-RC-3016	Unit 1, 2	All completed
T. D. C. 3 rd Sem SEC	Apiculture	Unit 1, 2,	
T.D.C.5 th Sem (HONS)	ZOO-HE-5036	Entirely	All completed

Vii) Extension activities undertaken during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus

where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.



Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar.

IX) Any other works pertaining to the overall development of the college during the (period):

X) Academic works during the (period):

Sl. Nos.	Course Name	Mode (online/ offline)	Period	Name of the University
1	Workshop on 'Implementation of National Education Policy-2020'	Offline	24 th June 2023	IQAC, Lumding College, in association with the Department of Geology
3	UGC approved short-term PDP on 'Implementation of NEP-2020'	Online	12 th -20 th June 2023	Indira Gandhi National Open University
4	Faculty Development Programme on 'LaTeX'	Online	24 th -30 th June 2023	Lumding College collaboration with Spoken Tutorial Project, IIT Bombay

Verified

Principal
Lumding College
Lumding, Hojai, Assam

Sanghamitra Das (Bok)

Signature of Teacher

B. Teachers' Quarterly Profile: August to October 2023



- i) **Name of the teacher: Dr. Satyajit Das**
- ii) **Qualification: M.Sc, PhD, SLET**
- iii) **Date of Joining: 24th Feb 2021**
- iv) **Email: satyajitdasau@gmail.com**
- v) **Specialization Area: Fishery Science and aquaculture biotechnology**
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUDP 1stSem (Core)	ZOO-1011	Unit , PROTISTA, PORIFERA Unit 3, locomotion and reprod. In Protista, canal system in sycon, spicules in sponges, water vascular System in Echinodermata.	All completed.
1 st Sem SEC 1stSem (VAC)	Apiculture EVS (Science)	Unit 1, 2 Unit 2	Completed. Completed
H.S 1 st year	EVS (Science)	Entire syllabus	Completed
T.D.C 3RD Sem (HONS)	ZOO-HC-3016 ZOO-HC-3026 ZOO-HC-3036	Unit 1, Unit 3, Unit 4 Unit 1, Unit 2 Unit 3 Unit 1, 2, 3, 4, 5	All completed
T.D.C. 3RD Sem (RC/HG) T. D. C. 3 rd Sem SEC	ZOO-RC-3016 Apiculture	Unit 1, 2, 3, 4 Unit 1, 3	All completed
T.D.C.5 th Sem (HONS)	ZOO-HC-5026 ZOO-HE-5016	Unit 2, 3 Entirely	Completed entirely. Completed



T.D.C. 5 th Sem (RC/HG)	ZOO-SEC	Non mulberry and sericulture entirely	entirely. All allotted portions are completed
T.D.C. 5 th Sem (RC/HG)	ZOO-RE-5026	Unit 1, 2, 7, 8, 9	Completed

Vii) Extension activities undertaken during the (period): Very often I used to go for field work with the students to guide them for their ensuing project works.

Organised environmental awareness programs in local Schools like National HS School and Assamese High School for the students on behalf of Environment and Climate Cell, Lumding College.

Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period):

Moreover, I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as an active working Member of: -

1. Governance, leadership and management Cell.
2. Research Cell, IQAC, Lumding College.
3. Admission committee for the session 2022-23, Lumding College.
4. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
5. NSS and Extension Activity Cell, IQAC, Lumding College

6. Language Lab Management Committee, IQAC, Lumding College.
7. Sports Committee, IQAC, Lumding College
8. Environment and Climate Cell, Lumding College, Lumding
9. Green Audit Committee, Lumding College, Lumding
10. Standard Clubs, Lumding College, Lumding.



X) Academic works during the (period): NO

Verified

Dr. Satyajit Das.

Signature of Teacher


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile: August to October 2023



- i) **Name of the teacher:** Dr. Abhishek Mazumder
 ii) **Qualification:** M.Sc, PhD, NET
 iii) **Date of Joining:** 24th Sep 2022
 iv) **Email:** mazumder.abhishek88@gmail.com
 v) **Specialization Area:** Cell and Molecular biology
 vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUDP 1stSem (Core)	ZOO-1011	Unit 2 , Annelida, Arthropoda Unit 3, Vision and repiration in Arthropoda, Excretion and annelida	All completed.
1 st Sem SEC	Apiculture	Unit 2, 3	Completed
1 st Sem MDC	NPS	Unit 1	Completed
1stSem (Core)	VAC (Commerce & Arts)	Unit 2, 3	Completed
T.D.C 3RD Sem (HONS)	ZOO-HC-3016 ZOO-HC-3026 ZOO-HC-3036	Unit 2, Unit 5, Unit 6 Unit 2, Unit 4 Unit 1, 3, 4, 5	All completed
T.D.C. 3RD Sem (RC/HG) T. D. C. 3 rd Sem SEC	ZOO-RC-3016 Apiculture	Unit 5, 6 Unit 2, 3	All completed
T.D.C.5 th Sem (HONS)	ZOO-HC-5026 ZOO-HC-5016	Unit 4, 5 Unit 1, 3, 4, 5	Completed entirely. Completed entirely.
T.D.C. 5 th Sem (RC/HG)	ZOO-RE-5026	Unit 3, 4, 6, 8	Completed

Vii) Extension activities undertaken during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar.

IX) Any other works pertaining to the overall development of the college during the (period):

Participated on the weeklong workshop on 'Research methodology' from 17th May to 22nd May 2023.

Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.

As a member of various committees, I have extended my service for the wellbeing of the students and college. Actively performed the allotted duties and responsibilities as Member of committees:

1. Members of EVS Committee
2. Member of Admission Committee,
3. Academic research development and policy making committee, Lumding College.
4. Certificate course of Mushroom culture, Lumding College.
5. Certificate course of Vermicomposting, Lumding College.
6. Certificate course of Apiculture, Lumding College.

X) Academic works during the (period): NO

Verified


Principal
Lumding College
Lumding, Hojai, Assam



Signature of Teacher

B. Teachers' Quarterly Profile (August, September, October 2023)

Name of the teacher: Deborah Daolagupu



- i) **Qualification:** M.Sc., Ph.D. (pursuing at Assam University, Silchar)
- ii) **Date of Joining:** 1st December, 2021
- iii) **Email:** ddaolagupu15@yahoo.com
- iv) **Specialization Area:** Ecology and Wildlife Biology
- v) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
HS 1 st Year	1. Unit 7 2. Unit 18	1. Structural organization in animals. 2. Body fluids and circulation.	Completed
HS 1 st Year (EVS)	1. Unit 1 2. Unit 2 3. Unit 3	1. Environmental Education 2. Disaster Management 3. Road safety	Completed
HS 2 nd Year	1. Unit 3 2. Unit 7	1. Reproductive health 2. Human health and disease.	Completed
FYUGP 1 st Sem (CORE)	1. Unit 1 2. Unit 3	1. General characters and classification up to classes, of Platyhelminthes and Nematelminthes. 2. Parasitic adaptations in helminthes <i>Fasciola hepatica</i> and <i>Wuchereria bancrofti</i>	Completed
FYUGP 1 st Sem (SEC)	1. UNIT 3	1. Bee economy and Entrepreneurship in Apiculture.	Completed
FYUGP 1 st Sem (VAC EVS)	1. Unit 1 2. Unit 2 3. Unit 3	1. Introduction to Environmental studies. 2. Ecosystem. 3. Environmental pollution and laws.	Completed
T.D.C. 3 rd	1. Reptilia	1. General characteristics and	Completed

Sem (HONS)	2. Mammalia 3. Zoogeography 4. Tissues 5. Bone and Cartilage 6. Proteins	classification up to Order. Affinities of Sphenodon, Poison apparatus and biting mechanism in snakes. 2. General characteristics and classification up to Order. Affinities of Prototheria, Adaptive radiation with reference to locomotory appendages. 3. Zoogeographical realms, Theories pertaining to distribution of animals, plate tectonic and continental drift theory, distribution of vertebrates in different realms. 4. Structure, location, classification and function of epithelial tissue, connective, muscular tissue and nervous tissue. 5. Structure and types of bones and cartilages, ossification, bone growth and resorption. 6. Amino acids, proteins and immunoglobulins.	
T.D.C. 3 rd Sem (RC/HG)	1. Excretion 2. Cardiovascular system	1. Structure of nephron, mechanism of urine formation, counter-current mechanism. 2. Composition of blood, hemostasis, structure of heart, origin and conduction of	Completed



T.D.C. 5 th Sem (HONS)	Transcription	cardiac impulse, cardiac cycle. RNA polymerase and transcription unit, mechanism of transcription prokaryotes and eukaryotes, synthesis of rRNA and mRNA, transcription factors.	Completed
T.D.C. 5 th Sem (RC/HG)	1. Epidemiology of diseases. 2. Parasitic protozoa 3. Parasitic helminthes	1. Transmission, prevention and control of diseases: Tuberculosis, Typhoid. 2. Life history and pathogenicity of <i>Entamoeba histolytica</i> , <i>Plasmodium vivax</i> and <i>Trypanosoma gambiense</i> . 3. Life history and pathogenicity of <i>Anchlostoma duodenale</i> and <i>Wuchereria bancrofti</i> .	Completed

Vii) Extension activities undertaken during the (period): NA

Viii) Student related activities during the (period):

Group discussions were conducted during that period with students of major, regular/generic students of our department. Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Discussions with the students regarding their Skill enhancement course, to build up their skills in practical were discussed. They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period):

I have also been appointed by the Principal, Lumding College in different Committees under IQAC as active working Member of; -



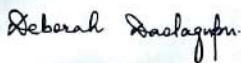
1. Admission committee for the session 2022-23, Lumding College.
2. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
3. Campus Cleanliness Committee, IQAC, Lumding College
4. Cultural and Literary Activities Committee, IQAC, Lumding College.
5. Remedial Coaching Committee, IQAC, Lumding College
6. Environment and Climate Cell, Lumding College, Lumding
7. Rapporteur Committee, IQAC, Lumding College, Lumding
8. Mentoring Programme Committee, IQAC, Lumding College, Lumding

X) Academic works during the (period):

1. Presented a paper entitled "The challenges of plastic pollution management in the local scenario: special reference to Dima Hasao" at an International Conference on Plastic Turn, organized by the Department of English, University of North Bengal, 3rd - 4th Aug 2023.

Verified


Principal
Lumding College
Lumding, Hojai, Assam



Signature of Teacher

A. Department Profile: May 2023- July 2023

- Name of the department** : Department of Zoology
- i) **Date of Establishment** : 1984
- ii) **Vision and Mission** : Department of Zoology, Lumding College has been established with an aim to educate students and to provide adequate information related to the subject so as to aware the stakeholders for a better society. Concomitantly, students are enriched with basics of Zoology well as creating skilled human resources in the field of 'Zoology' by offering learning opportunities and working experiences of highest academic standards.
- iv) **Courses Offered** : HS 1st year, HS 2nd Year, B. Sc. in Zoology (Honors and Regular) courses.
- v) **Name of Departmental Teacher(s)** : 1. Dr. Sanghamitra Das (Bose), Head, Associate Professor
2. Dr. Satyajit Das, Assistant Professor
3. Miss Deborah Daolagupu, Assistant Professor
4. Dr. Abhishek Mazumder, Assistant Professor
- vi) **Student Progression (last five years)** :

Sl. No	Name	Batch	Qualification	MSc/ PhD/Designation
1.	Miss Ranjuli Hasnu	2021	B. Sc. (Zoology)	M.Sc (Zoology)
2.	Mr. Manish Prasad	2021	B. Sc. (Zoology)	M.Sc (Zoology)
3.	Mr. Sarwan Kumar Majhi	2021	B. Sc. (Zoology)	Del.Ed under KKHSOU
4.	Miss Sarita Kumari	2021	B. Sc. (Zoology)	Asstt. Teacher, LPS.

5.	Mr. Rupak Malakar	2022	B. Sc. (Regular)	AP, Fire service dept.
6.	Mr. Manohar Chauhan	2022	B. Sc. (Zoology)	AP, Fire service dept.
7.	Mr. Manoj Kumar Pandit	2022	B.Sc. (Regular)	AP, Fire service dept.
8.	Mr. Anish Kumar	2022	B. Sc. (Zoology)	Asstt. Teacher, LPS.
9.	Miss Dona Mazumdar	2022	B. Sc. (Zoology)	M.Sc (Zoology)
10.	Miss Nikita Parbosa	2022	B. Sc. (Zoology)	M.Sc (Zoology)
11.	Miss Gitanjali Sahu	2022	B. Sc. (Zoology)	M.Sc (Zoology)
12.	Miss Tinamoni Das	2022	B. Sc. (Zoology)	M.Sc (Zoology)
13.	Miss Ranjuni Singh	2021	B. Sc. (Zoology)	MBBS
14.	Miss Mayurakshi Bhattacharjee	2021	B. Sc. (Zoology)	BDS
15.	Mr. Manish Kumar	2021	B. Sc. (Zoology)	M.Sc (Zoology)
16.	Shristi Lodh	2023	B.Sc. (Zoology)	M.Sc. (Zoology)
17.	Subhashish Debnath	2023	B.Sc. (Zoology)	B.Sc. in Fisheries
18.	Sweety Dey	2023	B.Sc. (Zoology)	BSc. Nursing
19.	Rohit Das	2023	B.Sc. (Zoology)	MBBS, Nalbari Medical College, Assam
20.	Manjit Kumar Sah	2023	B.Sc. 3rd Sem Zoo	Assam Rifles

**vii) Notable Alumni from the :
Department since inception**

Sl. No	Name	Batch	Qualification	Designation
1	Dr. Abhishek Raha		Doctor	
2	Dr. Nilika Thaosen		Doctor	
3	Mr. Sauvik Dasgupta		Research scientist	
4	Mr. Kanak Chakraborty		Researcher	
5	Mr. Aklesh Kumar		Research scientist	
6	Miss. Dipika Parbosa		Assistant Professor	
7	Mr. Biswadip Sen		Researcher	

8	Mr. Hillol Das		Researcher	
9	Mr. Abhijit Mandal		Researcher	

viii) **Departmental activities during the (period)**

1. We the faculty members of Department of Zoology in association with Environment and Climate Cell, IQAC Lunding College organised a workshop on Organic Farming with special reference to Vermicomposting on 2nd May 2023. The students were enlighten with the basics of vermicomposting, its procedure, utility in the farming and the awareness on sustainable development of the environment.
2. The students were involved in the weeklong programme on promoting Environment conservation practices. Students were awared about the no use of single used plastic, less use of papers to digitalise the campus, food distribution so as to minimize the wastage of food (specially the restaurant, canteen, hostels etc.).
3. Departmental seminar was organized by the department and the students were allowed to present their work on pearl culture, prawn culture, aquatic diversity of Chilka Lake, Biodiversity of Nanadan Kana Zoological Park etc.
4. Dr. Mainu Devi of Diphu Govt. College, Diphu and Prof. Sanilal Sarma of RT University, Hojai were the resource persons throughout the seminar.

5. Dr. Mainu appreciated the research work done by the students during the period enlightened the students with her vast knowledge of experience in the field of Entomogy and the diversity of the environment.

6. . Group Discussion:

Topic: *importance of research, research report writing, powerpoint presentation preperation, biodiversity and it's importance etc*

Participated by: T.D.C. 6th sem (Honours), 4th Sem (Honours/Generic/ Regular), 2nd Sem (Honours).

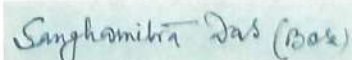
Venue: Department of Zoology, Lumding College

Date: July 15, 2023.

- ix) **NAAC Awareness Programme** : Students were suggested to go through the importance of their academic accomplishment in NAAC accreditation and were suggested to take active participation in different activities performed by the different committees of the Institution.
- x) **Student Satisfactory Survey** : **Regular feedback of the students were qualitatively analysed on the completion of the syllabus, material and methodology followed, Power point presentation etc.**
- xi) **Analysis of each semester result** : Each semester results were placed in the departmental meeting held on 15th July 2023 and students were advised to go through research works and the importance of research in the recent world.

Verified


Principal
Lumding College
Lumding, Hojai, Assam



(Dr. Sanghamitra Das Bose)
Head
Department of Zoology

B. Teachers' Quarterly Profile: May 2023 to July 2023

- i) **Name of the teacher:** Dr. Sanghamitra Das Bose
- ii) **Qualification:** M.Sc., PG dip. in Ecology and Environment, Ph.D, LL.B
- iii) **Date of Joining:** 03rd October, 1989
- iv) **Email:** sanghamitradasbose@gmail.com
- v) **Specialization Area:** Entomology and Biodiversity
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2nd Sem (HONS)	ZOO-HC-2016 ZOO-HC-2026	Unit 3 Phylum Arthropoda	All completed.
T.D.C. 2nd Sem (RC/HG)	ZOO-RC-2016	Unit 1 and Unit 3	Completed
T.D.C 4th Sem (HONS)	ZOO-HC-4016 ZOO-HC-4026	Unit 1 and Unit 8 Unit 1 Practicals	All completed
T.D.C. 4 th Sem (RC/HG)	ZOO-RC-4016	Unit 2	All completed
T.D.C. 6 th Sem (HONS)	ZOO-HC-6016 ZOO-HC-6026	Zoo -HE-6016 All the 6nos. of Units and all practicals	Completed entirely. Completed entirely.
T.D.C. 6 th Sem (RC/HG)	ZOO-RE-6026	Unit 9	All allotted portions are completed

Vii) Extension activities undertaken during the (period): Very often I used to go for field work with the students to guide them for their ensuing project works.

Organised environmental awareness programs in local schools like National HS School and Assamese High School for the students on behalf of Environment and Climate Cell, Lumding College.

Viii) **Student related activities during the (period):** Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar.

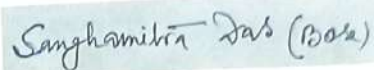
IX) **Any other works pertaining to the overall development of the college during the (period):** In the month of May organised a program on Organic Farming and vermicomposting. Organised 5days yoga training programme before 21st June, and on that International day of yoga with students, teachers and the Principal and the IQAC coordinator a grand program was organised. On and before 5th June Plantation and other Environment related programs were organised.

X) **Academic works during the (period):** Participated and presented paper in the International conference held on 3-4 May organised by the Department of Zoology of Gauhati University. Honoured as best presenter in the special session.

Participated in the UGC approved short term PDP on NEP 2020, during 12th June to 20th June 2023

Verified


Principal
Lumding College
Lumding, Hojai, Assam



Dr. Sanghamitra Das (Bose)

Signature of Teacher

B. Teachers' Quarterly Profile: May 2023 to July 2023

- i) **Name of the teacher:** Dr. Abhishek Mazumder
ii) **Qualification:** M.Sc, PhD, NET
iii) **Date of Joining:** 24th Sep 2022
iv) **Email:** mazumder.abhishek88@gmail.com
v) **Specialization Area:** Cell and molecular Biology
vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C. 2nd Sem (HONS)	ZOO-HC-2016 ZOO-HC-2026	Unit 2 Unit 6, 7, 8	All completed.
T.D.C. 2nd Sem (RC/HQ)	ZOO-RC-2016	Unit 4, 5, 9	Completed
T.D.C. 4th Sem (HONS)	ZOO-HC-4016 ZOO-HC-4026 ZOO-HC-4036	Unit 4, 5 Unit 4, 5 Unit 2, 3, 5	All completed
T.D.C. 4th Sem (RC/HQ)	ZOO-RC-4016	Unit 3, 7	All completed
T.D.C. 6 th Sem (HONS)	ZOO-HC-6016 ZOO-HC-6026	Unit 5 Unit 5, 6, 7	Completed entirely. Completed entirely.

Vii) Extension activities undertaken during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

Career counseling program at Bhalukmari H.S. School, Lanka

Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar.

IX) Any other works pertaining to the overall development of the college during the (period): Participated on the weeklong workshop on 'Research methodology' from 17th May to 22nd May 2023.

Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.

As a member of various committees, I have extended my service for the wellbeing of the students and college. Actively performed the allotted duties and responsibilities as Member of committees:

1. Members of EVS Committee
2. Member of Admission Committee,
3. Academic research development and policy making committee, Lumding College.
4. Certificate course of Mushroom culture, Lumding College.
5. Certificate course of Vermicomposting, Lumding College.
6. Certificate course of Apiculture, Lumding College.

X) Academic works during the (period):

Act as an Evaluator of "Block Level Science Based Competition" organized by ARYABHATTA SCIENCE CENTRE, JOGIJAN BLOCK.

Act as an external Examiner of 1st semester both major and pass course at Pandu College, Guwahati, Assam.

Act as an Evaluator of "Block Level Science Based Competition" organized by National H.S. School, Lumding

Sl. Nos.	Course Name	Mode (online/ offline)	Period	Name of the University
1	Workshop on 'Implementation of National Education Policy-2020'	Offline	24 th June 2023	IQAC, Lumding College, in association with the Department of Geology
3	UGC approved short-term PDP on 'Implementation of NEP-2020'	Online	12 th -20 th June 2023	Indira Gandhi National Open University
4	Faculty Development Programme on 'LaTeX'	Online	24 th -30 th June 2023	Lumding College collaboration with Spoken Tutorial Project, IIT Bombay

Abhishek Masumder

Signature of Teacher

Verified


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile (May, June, July 2023)

Name of the teacher: Deborah Daolagupu

- i) **Qualification:** M.Sc., Ph.D. (pursuing at Assam University, Silchar)
- ii) **Date of Joining:** 1st December, 2021
- iii) **Email:** ddaolagupu15@yahoo.com
- iv) **Specialization Area:** Ecology and Wildlife Biology
- v) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2 nd Sem (HONS)	1. Annelida 2. Mollusca 3. Plasma membrane	1. General characters and classification up to classes, Excretion in Annelida 2. General characters and classification up to classes, respiration in Mollusca, torsion and detorsion in Gastropoda, pearl formation in bivalves, evolutionary significance of trocophore larva. 3. Various models of PM structure, transport across membranes: active and passive transport, facilitated transport, cell junctions: tight junctions, desmosomes, gap junctions	Completed
T.D.C. 2 nd Sem (RC/HG)	1. Skeletal system. 2. Early Embryonic Development	1. Evolution of visceral arches. 2. Gametogenesis: Spermatogenesis and oogenesis w.r.t mammals, vitellogenesis in birds, fertilization: external, internal, blocks to polyspermy. Early	Completed

	3. Late Embryonic Development	development of frog and humans, types of morphogenetic movements, fate of germ layers, neurulation in frog embryo. 3. Implantation of embryo in humans, formation of human placenta and functions, other types of placenta, metamorphic events in frog's life cycle and its hormonal regulation.	
T.D.C. 4 th Sem (HONS)	1.Skeletal system. 2. Circulatory system 3.Physiology of heart	1. Overview of axial and appendicular skeleton, jaw suspensorium, visceral arches. 2. General plan of circulation, evolution of heart and aortic arches 3. Structure of mammalian heart, coronary circulation, origin and conduction of cardiac impulses, cardiac output and its regulation, Frank-Starling law of heart, electrocardiogram, blood pressure and its regulation.	Completed
T.D.C. 4 th Sem (RC/HG)	1. Introduction to Genetics 2.Mendelian Genetics and its extension	1. Mendel's work on transmission of traits, genetic variation, molecular basis of genetic information 2.Principles of inheritance, chromosome theory of inheritance, incomplete	Completed

		dominance and co-dominance, multiple alleles, lethal alleles, epistasis, pleiotropy, sex linked inheritance, extra-chromosomal inheritance	
T.D.C. 6 th Sem (HONS)	Developmental Biology	Unit 1, Unit2, Unit 3, Unit 4, Unit 5	Completed

Vii) Extension activities undertaken during the (period): NA

Viii) Student related activities during the (period):

Group discussions were conducted during that period with students of major, regular/generic students of our department. Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Discussions with the students regarding their Skill enhancement course, to build up their skills in practical were discussed. They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period):

I have also been appointed by the Principal, Lumding College in different Committees under IQAC as active working Member of: -

1. Admission committee for the session 2022-23, Lumding College.
2. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
3. Campus Cleanliness Committee, IQAC, Lumding College
4. Cultural and Literary Activities Committee, IQAC, Lumding College.
5. Remedial Coaching Committee, IQAC, Lumding College
6. Environment and Climate Cell, Lumding College, Lumding
7. Rapporteur Committee, IQAC, Lumding College, Lumding
8. Mentoring Programme Committee, IQAC, Lumding College, Lumding

X) Academic works during the (period):

1. Weeklong workshop on UGC approved short-term PDP on 'Implementation of NEP-2020' held from 12th -20th June 2023 conducted by Indira Gandhi National Open University.
2. Weeklong Faculty Development Programme on 'LaTeX' held from 24th -30th June 2023 organised by Lumding College collaboration with Spoken Tutorial Project, IIT Bombay

Verified


Principal
Lumding College
Lumding, Hojai, Assam



Signature of Teacher

B. Teachers' Quarterly Profile: May 2023 to July 2023

- i) **Name of the teacher:** Dr. Satyajit Das
- ii) **Qualification:** M.Sc, PhD, SLET
- iii) **Date of Joining:** 24th Feb 2021
- iv) **Email:** satyajitdasau@gmail.com
- v) **Specialization Area:** Fishery Science and aquaculture biotechnology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2nd Sem (HONS)	ZOO-HC-2016 ZOO-HC-2026	Unit 6 Echinodermata Unit 1, Unit 2, Unit 4	All completed.
T.D.C. 2nd Sem (RC/HG)	ZOO-RC-2016	Unit 1, 3, 4, 6,	Completed
T.D.C 4th Sem (HONS)	ZOO-HC-4016 ZOO-HC-4026 ZOO-HC-4036	Unit 1, Unit 3, Unit 4 Unit 1, Unit 2 Unit 3 Unit 1, 2, 3, 4, 5	All completed
T.D.C. 4th Sem (RC/HG) T. D. C. 4th Sem SEC	ZOO-RC-4016 Non-mulberry Sericulture	Unit 6, 8, 9,11 Entirely	All completed
T.D.C. 6 th Sem (HONS)	ZOO-HC-6016 ZOO-HC-6026	Unit 1, 3, 4, 9	Completed entirely. Completed entirely.
T.D.C. 6 th Sem (RC/HG)	ZOO-SEC	Wildlife photography and ecotourism	All allotted portions are completed

Vii) Extension activities undertaken during the (period): Very often I used to go for field work with the students to guide them for their ensuing project works.

Organised environmental awareness programs in local Schools like National HS School and Assamese High School for the students on behalf of Environment and Climate Cell, Lumding College.

Career counseling program at Nabarun High School lumding

Viii) Student related activities during the (period): Helped and guided the students to prepare the project report and make the power point presentation in departmental seminar. Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period):

Moreover, I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as an active working Member of: -

1. Governance, leadership and management Cell.
2. Research Cell, IQAC, Lumding College.
3. Admission committee for the session 2022-23, Lumding College.
4. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
5. NSS and Extension Activity Cell, IQAC, Lumding College
6. Language Lab Management Committee, IQAC, Lumding College.
7. Sports Committee, IQAC, Lumding College
8. Environment and Climate Cell, Lumding College, Lumding
9. Green Audit Committee, Lumding College, Lumding
10. Standard Clubs, Lumding College, Lumding

X) Academic works during the (period):

Sl. Nos.	Course Name	Mode (online/ offline)	Period	Name of the University
1	Workshop on 'Implementation of National Education Policy-2020'	Offline	24 th June 2023	IQAC, Lumding College, in association with the Department of Geology
2	One Week Multidisciplinary International Conference on 'Environment, Climate Change and Sustainability	Offline	20 th -26 th June 2023	IQAC, Department of Economics & Botany, Dhing College, Nagoan
3	UGC approved short-term PDP on 'Implementation of NEP-2020'	Online	12 th -20 th June 2023	Indira Gandhi National Open University
4	Faculty Development Programme on 'LaTeX'	Online	24 th -30 th June 2023	Lumding College collaboration with Spoken Tutorial Project, IIT Bombay

Verified

Dr. Satyajit Das.

Signature of Teacher


Principal
Lumding College
Lumding, Hojai, Assam

A. Department Profile: Quarterly Report (Feb-Apr 2023)



- i) **Name of the department** : Department of Zoology
- ii) **Date of Establishment** : 1984
- iii) **Vision and Mission** : Department of Zoology, Lumding College has been established with an aim to educate students and to provide adequate information related to the subject so as to aware the stakeholders for a better society. Concomitantly, students are enriched with basics of Zoology well as creating skilled human resources in the field of 'Zoology' by offering learning opportunities and working experiences of highest academic standards.
- iv) **Courses Offered** : HS 1st year, HS 2nd Year, B. Sc. in Zoology (Honors and Regular) courses.
- v) **Name of Departmental Teacher(s)** : 1. Dr. Sanghamitra Das (Bose), Head, Associate Professor
2. Dr. Satyajit Das, Assistant Professor
3. Miss Deborah Daolagupu, Assistant Professor
4. Dr. Abhishek Mazumder, Assistant Professor
- vi) **Student Progression (last five years)** :

Sl. No	Name	Batch	Qualification	MSc/ PhD/Designation
1.	Miss Ranjuli Hasnu	2021	B. Sc. (Zoology)	M.Sc (Zoology)
2.	Mr. Manish Prasad	2021	B. Sc. (Zoology)	M.Sc (Zoology)
3.	Mr. Sarwan Kumar Majhi	2021	B. Sc. (Zoology)	Del.Ed under KKHSOU
4.	Miss Sarita Kumari	2021	B. Sc. (Zoology)	Asstt. Teacher, LPS.

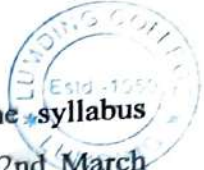


5.	Mr. Rupak Malakar	2022	B. Sc. (Regular)	AP, Fire service dept.
6.	Mr. Manohar Chauhan	2022	B. Sc. (Zoology)	AP, Fire service dept.
7.	Mr. Manoj Kumar Pandit	2022	B.Sc. (Regular)	AP, Fire service dept.
8.	Mr. Anish Kumar	2022	B. Sc. (Zoology)	Asstt. Teacher, LPS.
9.	Miss Dona Mazumdar	2022	B. Sc. (Zoology)	M.Sc (Zoology)
10.	Miss Nikita Parbosa	2022	B. Sc. (Zoology)	M.Sc (Zoology)
11.	Miss Gitanjali Sahu	2022	B. Sc. (Zoology)	M.Sc (Zoology)
12.	Miss Tinamoni Das	2022	B. Sc. (Zoology)	M.Sc (Zoology)
13.	Miss Ranjuni Singh	2021	B. Sc. (Zoology)	MBBS
14.	Miss Mayurakshi Bhattacharjee	2021	B. Sc. (Zoology)	BDS
15.	Mr. Manish Kumar	2021	B. Sc. (Zoology)	M.Sc (Zoology)

vii) **Notable Alumni from the** :
Department since inception

Sl. No	Name	Batch	Qualification	Designation
1	Dr. Abhishek Raha		Doctor	
2	Dr. Nilika Thaosen		Doctor	
3	Mr. Sauvik Dasgupta		Research scientist	
4	Mr. Kanak Chakraborty		Researcher	
5	Mr. Aklesh Kumar		Research scientist	
6	Miss. Dipika Parbosa		Assistant Professor	
7	Mr. Biswadip Sen		Researcher	
8	Mr. Hillol Das		Researcher	
9	Mr. Abhijit Mandal		Researcher	

- viii) **Departmental activities** : 1. We the faculty members of Department of Zoology organised an excursion cum educational tour to Odisha for the students of
- during the (period)**



6th Sem major honours under the syllabus
ZOO-HE-6056 (Dissertation) on 22nd March
to 30th March 2023. During the tour the
students have visited

- a. Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar to study the techniques of Pearl culture, Prawn Culture etc.
- b. Visit to Nandankanan Zoological Park
- c. Visit to Chilika Lake for biodiversity research
- d. Visit to Puri sea beach for the study of biodiversity of marine fishes and mollusca.

2. Group Discussion:

Topic: importance of research, research report writing, powerpoint presentation preparation, biodiversity and it's importance etc

Participated by: T.D.C. 6th sem (Honours), 4th Sem (Honours/Generic/ Regular), 2nd Sem (Honours).

Venue: Department of Zoology, Lunding College

Date: 13 March 2023.

ix) NAAC Awareness Programme

: Students were suggested to go through the importance of their academic accomplishment in NAAC accreditation and were suggested to take active participation in different activities performed by the different committees of the Institution. As a result of the Group discussion, many students had actively participated in the National Weeklong Workshop on 'Research Methodology' organised by the Research and Development Cell, Lunding College on 17th-

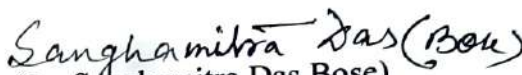
22nd April, 2023.



- x) **Student Satisfactory Survey** : Regular feedback of the students were qualitatively analysed on the completion of the syllabus, material and methodology followed, Power point presentation etc.
- xi) **Analysis of each semester result** : Each semester results were placed in the departmental meeting held on 16th March 2023 and students were advised to go through research works and the importance of research in the recent world.

Verified


Principal
Luning College
Luning, Hojai, Assam


(Dr. Sanghamitra Das Bose)
Head
Department of Zoology

B. Teachers' Quarterly Profile (Feb- April 2023)



- i) **Name of the teacher: Dr. Sanghamitra Das Bose**
- ii) **Qualification: M.Sc., PG dip. in Ecology and Environment, Ph.D, LL.B**
- iii) **Date of Joining: 03rd October, 1989**
- iv) **Email: sanghamitradasbose@gmail.com**
- v) **Specialization Area: Entomology and Biodiversity**
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2 nd Sem (HONS)	ZOO-HC-2016 ZOO-HC-2026	Unit 3 Practical classes Unit 5, 6	All completed.
T.D.C. 2 nd Sem (RC/HG)	ZOO-RC-2016	Unit 2 and Unit 8 Practical classes	Completed
T.D.C 4 th Sem (HONS)	ZOO-HC-4016 ZOO-HC-4026	Unit 2. Practical classes. Unit 1 and 8	All completed
T.D.C. 3 rd Sem (RC/HG)	ZOO-RC-3016	Practical classes	All completed
T.D.C. 6 th Sem (HONS)	ZOO-HC-6016	All units. (Unit 1 to 6)	Completed entirely.
T.D.C. 6 th Sem (RC/HG)	ZOO-RE-6026	Unit 1 to 6 and practical classes.	All allotted portions are completed

Vii) Extension activities undertaken during the (period): Field work and waste management programme has been undertaken.

Viii) Student related activities during the (period):

- a) Went to educational tour cum excursion for the 6th semester students in Odissa.
- b) Counselling students for yoga and meditation.

IX) Any other works pertaining to the overall development of the college during the (period):



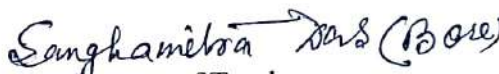
- a) Performed examination invigilation duties as required.
- b) Performed duties the sessional exam duties, set papers and checked papers of sessional examinations for Even Semester classes.
- c) Performed External Examiner duties in different colleges and Higher Secondary Schools of Hojai district.
- d) Organised a meditation camp of Art of Living for three days from Value Education Committee.

X) Academic works during the (period):

- a) Delivered lecture on Constitution Day observed by the department of Political Science.
- b) Participated in the National Seminar on Human Trafficking organized by the department of Bengali, Lumding College.
- c) Published a paper in a book as a chapter on Sericulture practices of the Dimasas.

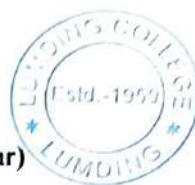
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Principal
Lumding College
Lumding, Hojai, Assam


Signature of Teacher

B. Teachers' Quarterly Profile (Feb, Mar, Apr 2023)

Name of the teacher: Deborah Daolagupu



- i) **Qualification:** M.Sc., Ph.D. (pursuing at Assam University, Silchar)
- ii) **Date of Joining:** 1st December, 2021
- iii) **Email:** ddaolagupu15@yahoo.com
- iv) **Specialization Area:** Ecology and Wildlife Biology
- v) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2 nd Sem (HONS)	1. Annelida 2. Mollusca 3. Plasma membrane 4. Endomembrane System	1. General characters and classification up to classes, Excretion in Annelida 2. General characters and classification up to classes, respiration in Mollusca, torsion and detorsion in Gastropoda, pearl formation in bivalves, evolutionary significance of trocophore larva. 3. Various models of PM structure, transport across membranes: active and passive transport, facilitated transport, cell junctions: tight junctions, desmosomes, gap junctions. 4. Structure and Functions: Endoplasmic reticulum, Golgi apparatus, Lysosomes.	Completed
T.D.C. 2 nd Sem (RC/HG)	1. Skeletal system. 2. Early Embryonic Development	1. Evolution of visceral arches. 2. Gametogenesis: Spermatogenesis and oogenesis w.r.t mammals,	Completed



	3. Late Embryonic Development	vitellogenesis in birds, fertilization: external, internal, blocks to polyspermy. Early development of frog and humans, types of morphogenetic movements, fate of germ layers, neurulation in frog embryo. 3. Implantation of embryo in humans, formation of human placenta and functions, other types of placenta, metamorphic events in frog's life cycle and its hormonal regulation.	
T.D.C. 4 th Sem (HONS)	1. Skeletal system. 2. Circulatory system 3. Physiology of heart	1. Overview of axial and appendicular skeleton, jaw suspensorium, visceral arches. 2. General plan of circulation, evolution of heart and aortic arches 3. Structure of mammalian heart, coronary circulation, origin and conduction of cardiac impulses, cardiac output and its regulation, Frank-Starling law of heart, electrocardiogram, blood pressure and its regulation.	Completed
T.D.C. 4 th Sem (RC/HG)	1. Introduction to Genetics	1. Mendel's work on transmission of traits, genetic variation, molecular basis of genetic information	Completed

	2.Mendelian Genetics and its extension	2.Principles of inheritance, chromosome theory of inheritance, incomplete dominance and co-dominance, multiple alleles, lethal alleles, epistasis, pleiotropy, sex linked inheritance, extra-chromosomal inheritance	
T.D.C. 6 th Sem (HONS)	1. Early Embryonic Development 2. Late Embryonic Development 3. Product of Evolution	1.Gametogenesis, Spermatogenesis, Oogenesis, Types of eggs, Blocks to polyspermy, Planes and patterns of cleavage, Types of blastula, fate maps, early embryonic development of frog and chick up to gastrulation, embryonic induction and organisations. 2. Fate of germ layers, extra embryonic membranes in birds, placenta. 3. Microevolutionary changes, species concept, isolating mechanisms, speciation, macroevolution.	Completed

Vii) Extension activities undertaken during the (period):

- I was appointed as an External Evaluator for Gunotsav 2023 from 2nd Feb to 4th Feb 2023.
- I was appointed as an External Examiner for B.Sc Odd Semester Practical Examinations on 8th, 11th and 22nd of February 2023 at Hojai College, Rabindranath Tagore University, Hojai.

- I was appointed as an External Examiner for HS Practical Examination by AHSEC on 10th of February 2023 at Hojai College, Rabindranath Tagore University, Hojai.
- I was appointed as an External Examiner for B.Sc Odd Semester Practical Examinations from 3rd to 7th March 2023 at Haflong Govt. College, Haflong.



Viii) Student related activities during the (period):

Group discussions were conducted during that period with students of major, regular/generic students of our department. Discussions with the students regarding their Skill enhancement course, to build up their skills in practical were discussed. They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period):

I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as: -

- Women's Day on 8th March 2022. On 10th March 2023, on the occasion of Women's Day, the Women Cell of Lumding College, ACTA unit initiated a year-long Literacy Mission at Photopathar, a village adopted by Lumding College. This program was inaugurated by Sakhi-One Stop Centre.
- LiFE – Lifestyle for Environment held on 22nd to 28th March 2023 organised by Environment and Climate Change Cell, IQAC, Lumding College.
- Distribution of sanitary kit on 28th March 2023 organised jointly by the NSS and Women Cell Lumding College, ACTA unit.
- Covered reports of various events held at the college during the period February to April 2023.
- Took EVS classes for HS and TDC 2nd semester students.

I have also been appointed by the Principal, Lumding College in different Committees under IQAC as active working Member of: -

1. Admission committee for the session 2022-23, Lumding College.

2. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.

3. Campus Cleanliness Committee, IQAC, Lumding College

4. Cultural and Literary Activities Committee, IQAC, Lumding College.

5. Remedial Coaching Committee, IQAC, Lumding College

6. Environment and Climate Cell, Lumding College, Lumding

7. Rapporteur Committee, IQAC, Lumding College, Lumding

8. Mentoring Programme Committee, IQAC, Lumding College, Lumding



X) Academic works during the (period): NA

Verified

Debarshi Dasgupta

Signature of Teacher

[Signature]
Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile (February to April 2023)

- i) **Name of the teacher:** Dr. Satyajit Das
- ii) **Qualification:** M.Sc., Ph.D. (Assam University, Silchar)
- iii) **Date of Joining:** 24th February, 2021
- iv) **Email:** satyajitdasau@gmail.com
- v) **Specialization Area:** Fishery Science and Aquaculture Biotechnology
- vi) **Courses assigned and covered:**



Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2 nd Sem (HONS)	1. Introduction to Coelomates 2. Echinodermata 3. Overview of Cell.	1. evolution of coelom and metamerism. 2. general characters and classification upto classes, Water vascular system in Asteroidea, larval forms of Echinodermata, affinities with chordates. 3. Overview of Cell entirely	Completed
T.D.C. 2 nd Sem (RC/HG)	1. Integumentary system 2. Digestive System 3. Respiratory system	1. Derivatives of integument w.r.t. glands and digital tips. 2. Brief account of alimentary canal and digestive gland. 3. Brief account of Gills, lungs, air sacs and swim bladder.	Completed
T.D.C. 4 th Sem (HONS)	1. Digestive system 2. Respiratory	1. Alimentary canal and associated glands.	Completed



TDC 4th Sem SEC	System. 3. circulatory system 4. Urinogenital system 5. Physiological digestion 6. Physiological respiration 7. Renal physiology 8. Carbohydrates metabolism Non-mulberry and sericulture	2. Entirely covered. 3. Completed entirely 4. Completed entirely 5. Completed entirely 6. Completed entirely 7. Completed entirely 8. Completed entirely Entire syllabus	Completed
T.D.C. 4 th Sem (RC/HG)	1. History of life 2. Introduction to evolutionary theories. 3. Direct evidence of evolution. 4. Process of evolutionary change 5. Species concept 6. Macro evolution 7. Extinction	1. Completed entirely. 2. Completed entirely. 3. Completed entirely. 4. Completed entirely. 5. Completed entirely. 6. Completed entirely. 7. Completed entirely. 8. Completed entirely.	Completed
T.D.C. 6 th Sem (HONS)	Evolutionary Biology	Unit 1, Unit 2, Unit 3, Unit 4, Unit 5, Unit 6, Unit 7, Unit 8, Unit 9.	Completed
6 th Sem Regular	Skill paper: wildlife photography and ecotourism	Entire syllabus	Completed entirely



vii) Extension activities undertaken during the (period):

- a. Free medical camps in three different nearby villages of Lumding College as an active member of NSS AND EXTENSION ACTIVITY CELL, Lumding College.

viii) Student related activities during the (period):

We the faculty members arranged an educational tour cum excursion trip for the Students of major 6th Sem (Zoology) for their dissertation paper ZOO-HE-6056 to Odisha, India. We had visited to:-

- a. Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar for a training on Pearl culture and prawn culture
- b. Nandankanan Zoological Park for diversity study.
- c. Visit to Chilka Lake for studies of migratory birds, red crabs, dolphin study etc.
- d. Studies of molluska and fish diversity of Puri sea beach.

Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period): - Acted as the Program Coordinator of the

1. National Week Long Workshop on "Research Methodology" organized by Research and Development Cell Lumding College held from 17 to 22 April, 2023.

Moreover, I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as an active working Member of: -

1. Governance, leadership and management Cell.
2. Research Cell, IQAC, Lumding College.
3. Admission committee for the session 2022-23, Lumding College.

4. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.

5. NSS and Extension Activity Cell, IQAC, Lumding College

6. Language Lab Management Committee, IQAC, Lumding College.

7. Sports Committee, IQAC, Lumding College

8. Environment and Climate Cell, Lumding College, Lumding

9. Green Audit Committee, Lumding College, Lumding

10. Standard Clubs, Lumding College, Lumding



X) Academic works during the (period): NA

Verified


Principal
Lumding College
Lumding, Hojai, Assam


10/V/2023
Signature of Teacher

Teachers' Quarterly Profile (February to April 2023)

- i) Name of the teacher: Dr. Abhishek Mazumder
- ii) Qualification: M.Sc, PhD
- iii) Date of Joining: 24.09.2022
- iv) Email: mazumder.abhishek88@gmail.com
- v) Specialization Area: Cell and Molecular Biology
- vi) Courses assigned and covered:



Class (HS/UG)	Courses assigned	Courses covered	Remarks
HS (Zoology)	Theory 1. Biomolecules 2. Cell cycle Practical 1. Preparation of temporary slide squamous epithelial cells from buccal cavity. 2. Temporary preparation of WBC and RBC cells from mammalian blood.	Theory 1. Biomolecules 2. Cell cycle Practical 1. Preparation of temporary slide squamous epithelial cells from buccal cavity. 2. Temporary preparation of WBC and RBC cells from mammalian blood.	Completed
B.Sc Zoology Hons (2 nd sem)	ZOO-HC-2016 Unit 2: introduction to Coelomates Unit 2: Annelida	ZOO-HC-2026 Unit 7: Cell Division Unit 8: Cell Signaling	Completed
B.Sc Zoology Hons (4 th sem)	ZOO-HC-4016 Unit 4: Respiratory System Unit 5: Circulatory System	ZOO-HC-4026 Unit 4: Blood ZOO-HC-4036 Unit 3: Blood	Completed
B.Sc Zoology Hons (6 th sem)	ZOO-HC-6016 Unit 5: implication of Developmental Biology Practical:	ZOO-HC-6026 Unit 4: Population Genetics	Completed Completed

	All practical of paper Animal physiology unit	Practical Evolutionary Biology (All Practicals from syllabus)	
B.Sc Zoology Reg (2 nd sem)	ZOO-HG/RC-2016 Unit 4: Respiratory System Unit 5: Circulatory System	ZOO-HG/RC-4016 Unit 3: Linkage, Crossing over and Chromosomal mutation Unit 4: Mutations Unit 5: Sex Determination	Completed
B.Sc Zoology Reg (6 th sem)	Practical 1. Preparation of Hemin crystal 2. Study of permanent slides	Practical 1. Preparation of temporary slide squamous epithelial cells from buccal cavity. 1. Study of permanent slides	Completed



Vii) Extension activities undertaken during the (period):

Viii) Student related activities during the (period):

We the faculty members arranged an educational tour cum excursion trip for the Students of major 6th Sem (Zoology) for their dissertation paper ZOO-HE-6056 to Odisha, India. We had visited to:-

- Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar for a training on Pearl culture and prawn culture**
- Nandankanan Zoological Park for diversity study.**
- Visit to Chilka Lake for studies of migratory birds, red crabs, dolphin study etc.**
- Studies of molluska and fish diversity of Puri sea beach.**

Group discussions were conducted during the period with students of major, regular/generic of the department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. Students were advised and practiced how to prepare projects, powerpoint presentation and to write reasearch articles They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period):

Participated in the National Week Long Workshop on "Research Methodology" organized by Research and Development Cell Lumding College held from 17 to 22 April, 2023.

Moreover, I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as an active working Member of: -

1. Academic research development and policy making committee, Lumding College.
2. Certificate course of Mushroom culture, Lumding College.
3. Certificate course of Vermicomposting, Lumding College.
4. Certificate course of Apiculture, Lumding College.

X) Academic works during the (period):

1. Successfully completed one month Faculty Induction Programme conducted by Teaching and Learning Centre, Tezpur University.

2. Successfully completed Certificate course on "PDP on NEP-2020 for Administrator and General Practitioners" Conducted by Swayam Bharat from 16th March to 15th April 2023.

3. Presented Paper entitled, "Ethnic knowledge for the Conservation of bio-diversity adopted by Dimasas of Karbi-Anglong district, Assam, India" in International Seminar on "Challenges and Prospects of Bioresource in Eastern Himalaya -with reference to UN-Sustainable development Goals"; Organized by Department of Zoology, Gauhati University, India.

4. Act as an external Evaluator of Gunotsav 2023 phase II, organized by Education department, Govt of Assam.

Verified

Abhishek Masumdar

Signature of Teacher

Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile



- i) **Name of the teacher:** Dr. Sanghamitra Das Bose
- ii) **Qualification:** M.Sc., PG dip. in Ecology and Environment, Ph.D, LL.B
- iii) **Date of Joining:** 03rd October, 1989
- iv) **Email:** sanghamitradasbose@gmail.com
- v) **Specialization Area:** Entomology and Biodiversity
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 1 st Sem (HONS)	ZOO-HC-1016 ZOO-HC-1026	Unit 3 Practical classes	All completed.
T.D.C. 1 st Sem (RC/HG)	ZOO-RC-1016	Unit 3 and Unit 7 Practical classes	Completed
T.D.C 3 rd Sem (HONS)	ZOO-HC-3016 ZOO-HC-3026	Unit 4, Unit 5, Unit 6 and Unit 10. Practical classes. Unit 6	All completed
T.D.C. 3 rd Sem (RC/HG)	ZOO-RC-3016	Practical classes	All completed
T.D.C. 5 th Sem (HONS)	ZOO-HC-5016 ZOO-HC-5026	Unit 1. Unit 5.	Completed entirely. Completed entirely.
T.D.C. 5 th Sem (RC/HG)	ZOO-RE-5026	Unit 6 and practical classes.	All allotted portions are completed

Vii) Extension activities undertaken during the (period): Very often I used to go for field work with the students to guide them for their ensuing project works.
Organised environmental awareness programs in local schools like National HS School and Assamese High School for the students on behalf of Environment and Climate Cell, Lumding College.

Viii) Student related activities during the (period):

Career counselling, going for excursion to Kaziranga National Park for the practical experience of the students and guide them properly. Counselling students for yoga and meditation.



IX) Any other works pertaining to the overall development of the college during the (period):

- a) Performed examination invigilation duties as required.
- b) Performed duties as Internal Examiner in 1st, 3rd and 5th semester practical examinations.
- c) Performed External Examiner duties in different colleges and Higher Secondary Schools of Hojai district.
- d) Preparing the organization for different value based programs for institutional values and best practices.

X) Academic works during the (period):

- a) Delivered lecture on Constitution Day observed by the department of Political Science.
- b) Participated in the National Seminar on Human Trafficking organized by the department of Bengali, Lumding College.
- c) Published a paper in a book as a chapter on Sericulture practices of the Dimasas.

Sanghamitra Das (Bose)
Signature of Teacher

Verified

My
Principal
Lumding College
Lumding, Hojai, Assam

NOV 2022 - JAN 2023

A. Department Profile:



- i) **Name of the department** : Department of Zoology
- ii) **Date of Establishment** : 1984
- iii) **Vision and Mission** : Department of Zoology, Lumding College has been established with an aim to educate students and to provide adequate information related to the subject so as to aware the stakeholders for a better society. Concomitantly, students are enriched with basics of Zoology well as creating skilled human resources in the field of 'Zoology' by offering learning opportunities and working experiences of highest academic standards.
- iv) **Courses Offered** : HS 1st year, HS 2nd Year, B. Sc. in Zoology (Honors and Regular) courses.
- v) **Name of Departmental Teacher(s)** : 1. Dr. Sanghamitra Das (Bose), Head, Associate Professor
2. Dr. Satyajit Das, Assistant Professor
3. Miss Deborah Daolagupu, Assistant Professor
4. Dr. Abhishek Mazumder, Assistant Professor
- vi) **Student Progression (last five years)** :

Sl. No	Name	Batch	Qualification	MSc/ PhD/Designation
1.	Miss Ranjuli Hasnu	2021	B. Sc. (Zoology)	M.Sc (Zoology)
2.	Mr. Manish Prasad	2021	B. Sc. (Zoology)	M.Sc (Zoology)
3.	Mr. Sarwan Kumar Majhi	2021	B. Sc. (Zoology)	Del.Ed under KKHSOU
4.	Miss Sarita Kumari	2021	B. Sc. (Zoology)	Asstt. Teacher, LPS.



5.	Mr. Rupak Malakar	2022	B. Sc. (Regular)	AP, Fire service dept.
6.	Mr. Manohar Chauhan	2022	B. Sc. (Zoology)	AP, Fire service dept.
7.	Mr. Manoj Kumar Pandit	2022	B.Sc. (Regular)	AP, Fire service dept.
8.	Mr. Anish Kumar	2022	B. Sc. (Zoology)	Asstt. Teacher, LPS.
9.	Miss Dona Mazumdar	2022	B. Sc. (Zoology)	M.Sc (Zoology)
10.	Miss Nikita Parbosa	2022	B. Sc. (Zoology)	M.Sc (Zoology)
11.	Miss Gitanjali Sahu	2022	B. Sc. (Zoology)	M.Sc (Zoology)
12.	Miss Tinamoni Das	2022	B. Sc. (Zoology)	M.Sc (Zoology)
13.	Miss Ranjuni Singh	2021	B. Sc. (Zoology)	MBBS
14.	Miss Mayurakshi Bhattacharjee	2021	B. Sc. (Zoology)	BDS
15.	Mr. Manish Kumar	2021	B. Sc. (Zoology)	M.Sc (Zoology)

**vii) Notable Alumni from the :
Department since inception**

Sl. No	Name	Batch	Qualification	Designation
1	Dr. Abhishek Raha		Doctor	
2	Dr. Nilika Thaosen		Doctor	
3	Mr. Sauvik Dasgupta		Research scientist	
4	Mr. Kanak Chakraborty		Researcher	
5	Mr. Aklesh Kumar		Research scientist	
6	Miss. Dipika Parbosa		Assistant Professor	
7	Mr. Biswadip Sen		Researcher	
8	Mr. Hillol Das		Researcher	
9	Mr. Abhijit Mandal		Researcher	

**viii) Departmental activities : 1. Visit to National High School, Lumding for
during the (period) conduction of an awareness program on
Environmental Protection, Conservation &**



Management on 15/11/2022.

2. Visit to Assamese High School, Hari-Om Tila, Lumding for conduction of an awareness program on Environmental Protection, Conservation & Management on 16/11/2022.
3. Educational tour to Kaziranga National Park with B.Sc. 1st sem students as a part of their syllabus.

4. Departmental Seminar

Topics covered: i) Faunal diversity of Kaziranga National Park

ii) Introduction to National Park and Wildlife Sanctuaries.

Objective: So as to acquire knowledge related to the subject concerned and to develop their presentation skill.

Participated by: T.D.C. 1st Sem (Honors) students.

Venue: Department of Zoology, Lumding College

Date: 2nd December, 2022.

5. Group Discussion:

Topic: Importance of studying Biodiversity and Conservation Strategies.

Participated by: T.D.C. 1stsem (Honours/Generic/Regular), 3rd Sem (Honours/Generic/Regular), 5th Sem (Honours/Generic/Regular) students.

Venue: Department of Zoology, Lumding College

Date: 12th December 2022.

ix) NAAC Awareness Programme

: An awareness program was organized for the students about the new NAAC procedures on 12th June 2022.



- x) **Student Satisfactory Survey** : Qualitative feedbacks were obtained from students about teaching methodologies, comprehensive coverage of the syllabus, application of ICT tools, etc.
- xi) **Analysis of each semester result** : Each semester results were placed in the departmental meeting. Steps were taken to improve student performance by different approaches particularly with the introduction of new ICT tools.

Verified

Sanghamitra Das (Bose)
(Dr. Sanghamitra Das Bose)
Head
Department of Zoology


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile (NOV, 2022- Jan 2023)



- i) **Name of the teacher:** Dr. Abhishek Mazumder
- ii) **Qualification:** M.Sc
- iii) **Date of Joining:** 24.09.2022
- iv) **Email:** mazumder.abhishek88@gmail.com
- v) **Specialization Area:** Cell and Molecular Biology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
H.S (Zoology)	Theory 1. Biomolecules 2. Cell cycle Practical 1. Preparation of temporary slide squamous epithelial cells from buccal cavity. 2. Temporary preparation of WBC and RBC cells from mammalian blood.	Theory 1. Biomolecules 2. Cell cycle Practical 1. Preparation of temporary slide squamous epithelial cells from buccal cavity. 2. Temporary preparation of WBC and RBC cells from mammalian blood.	Completed
B.Sc Zoology Hons (1 st sem)	ZOO-HC-1016 Unit 2: Population Unit 3: Community	ZOO-HC-1016 Unit 2: Population Unit 3: Community	Completed
B.Sc Zoology Hons (3 rd sem)	ZOO-HC-3026 Nervous System	ZOO-HC-3026 Nervous System	Completed
B.Sc Zoology Hons (5 th sem)	ZOO-HC-5026 Unit 2: Linkage, cross over and chromosomal mapping Unit 3: Mutation	ZOO-HC-5026 Unit 2: Linkage, cross over and chromosomal mapping Unit 3: Mutation	Completed



	Unit 5: Extra chromosomal inheritance Unit 7: Recombination in bacteria and virus Unit 8: Transposable genetic elements Practical Principals of genetics (All Practicals from syllabus)	Unit 5: Extra chromosomal inheritance Unit 7: Recombination in bacteria and virus Unit 8: Transposable genetic elements Practical Principals of genetics (All Practicals from syllabus)	
B.Sc Zoology Reg (1 st sem)	ZOO-HG/RC-1016 Unit 10: Protochordata Unit 11: Agnatha	ZOO-HG/RC-1016 Unit 10: Protochordata Unit 11: Agnatha	Completed
B.Sc Zoology Reg (3 rd sem)	ZOO-HG/RC-3016 Unit 7: Carbohydrate metabolism Practical 1. Preparation of Hemin crystal 2. Study of permanent slides	ZOO-HG/RC-3016 Unit 7: Carbohydrate metabolism Practical 1. Preparation of Hemin crystal 2. Study of permanent slides	Completed

Vii) Extension activities undertaken during the (period):

B.Sc 1st Semester Honours students were taken to Kaziranga Wildlife Sanctuary for field visit cum botanical excursion as a part of their syllabus. The students visited Kaziranga Wildlife Sanctuary and acquainted with the faunal diversity. The Faculties/Teachers of Lumding College's Zoology Department carried out this extension program.

Viii) Student related activities during the (period):

IX) Any other works pertaining to the overall development of the college during the (period):

Academic research development and policy making committee

X) Academic works during the (period):

Presented Paper entitled, "Correlation between drug abuse and human trafficking – A case study" in National Seminar on "Human Trafficking: Special Reference to North East India"; Organized by Department of Bengali, Lumding College.

Verified

Abhishek Masumder

Signature of Teacher

Principal
Lumding College
Lumding, Naga, Assam

B. Teachers' Quarterly Profile
(Nov-Dec 2022 and Jan 2023)



- i) **Name of the teacher:** Miss Deborah Daolagupu
- ii) **Qualification:** M.Sc., Ph.D. (pursuing at Assam University, Silchar)
- iii) **Date of Joining:** 1st December, 2021
- iv) **Email:** ddaolagupu15@yahoo.com
- v) **Specialization Area:** Ecology and Wildlife Biology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 1 st Sem (HONS)	1. Protista, Parazoa and Metazoa	1. General characters and classification upto Classes, Study of <i>Euglena</i> , <i>Amoeba</i> and <i>Paramecium</i> . Life cycle and pathogenicity of <i>P. vivax</i> and <i>E. histolytica</i> . Locomotion and reproduction in Protista. Evolution of symmetry and segmentation of Metazoa.	All allotted portions are completed and notes have also been provided.
	2. Platyhelminthes	2. General characters and classification upto classes, Life cycle and pathogenicity of <i>F. hepatica</i> and <i>T. solium</i> .	
	3. Nematelminthes	3. General characters and classification up to classes, Life cycle and pathogenicity of <i>A. lumbricoides</i> and <i>W. bancrofti</i> . Parasitic adaptations in helminthes.	
	4. Ecosystem	4. Types of ecosystem with one example in detail, food chain, food web, energy flow through the ecosystem, ecological pyramids and ecological efficiencies. Nutrient and biogeochemical	

		cycle with one example of Nitrogen cycle human modified ecosystem.	
T.D.C. 1 st Sem (RC/HG)	1. Kingdom Protista 2. Platyhelminthes 3. Nematelminthes 4. Mollusca 5. Amphibia	1. General characters and classification up to Classes, locomotory organelles and locomotion in Protozoa. 2. General characters and classification upto classes, Life cycle and pathogenicity of <i>T. solium</i>. 3. General characters and classification upto classes, Life cycle and pathogenicity of <i>A. lumbricoides</i> and its parasitic adaptations 4. General characters and classification up to classes, Torsion in gastropods. 5. General characters and classification up to classes, Parental care.	All allotted portions are completed and notes have also been provided.
T.D.C 2 nd Sem (HONS)	1. Onychophora 2. Mollusca 3. Plasma Membrane	1. General characteristics and evolutionary significance 2. General characters and classification up to classes, Respiration in Mollusca, Torsion and detorsion in Gastropoda, Pearl formation in bivalves, Evolutionary significance of Trocophore larva. 3. Various models of Plasma membrane structure, Transport across membranes:	Completed



	4. Endomembrane System	Active and Passive transport, Facilitated transport, Cell junctions : Tight junctions, Desmosomes and Gap junctions. 4. Structure and Functions: Endoplasmic Reticulum, Golgi apparatus, Lysosomes.	
T.D.C. 2 nd Sem (RC/HG)	1. Integumentary System	1. Derivatives of integument w.r.t glands and digital tips.	All allotted portions are completed and notes have also been provided.
	2. Early Embryonic Development	2. Gametogenesis: Spermatogenesis and oogenesis w.r.t. mammals, vitellogenesis in birds; Fertilization: external (amphibians), internal (mammals), blocks to polyspermy; Early development of frog and humans (structure of mature egg and its membranes, patterns of cleavage, fate map, up to formation of gastrula); types of morphogenetic movements; Fate of germ layers; Neurulation in frog embryo.	
	3. Late Embryonic Development	3. Implantation of embryo in humans, Formation of human placenta and functions, other types of placenta on the basis of histology; Metamorphic events in frog life cycle and its hormonal regulation.	Chapter in progress.
T.D.C. 3 rd Sem (HONS)	1. Amphibia	1. Origin of Tetrapoda, general characteristics and classification up to Order, parental care in Amphibians.	All allotted portions are completed and notes have also

T.D.C. 3 rd Sem (RC/HG)	2. Reptilia	2. General characteristics and classification up to Order. Affinities of Sphenodon, Poison apparatus and biting mechanism in snakes.	All allotted portions are completed and notes have also been provided.
	3. Aves	3. General characteristics and classification up to Order. Archaeopteryx a connecting link, principles and aerodynamics of flight, Flight adaptation and migration in birds.	
	4. Mammals	4. General characteristics and classification up to Order. Affinities of Prototheria, Adaptive radiation w.r.t locomotory appendages.	
	5. Bone and cartilage	5. Structure and types of bone and cartilage, ossification, bone growth and resorption.	
	6. Muscle	6. Histology of different types of muscle, Ultrastructure of skeletal muscle, Molecular and chemical basis of muscle contraction, Characteristics of muscle twitch, motor unit, summation and tetanus	
	7. Proteins	7. Amino acids, Proteins	
	1. Cardiovascular system	1. Composition of blood, hemostasis, structure of heart, origin and conduction of cardiac impulse, cardiac cycle	

T.D.C. 4 th Sem (HONS)	1. Integumentary system 2. Nervous system 3. Physiology of heart	1. Structure, functions and derivatives of integument. 2. Comparative account of brain. Autonomic nervous system, Spinal cord, Cranial nerves in mammals. 3. Structure of mammalian heart; Coronary circulation; Structure and working of conducting myocardial fibers. Origin and conduction of cardiac impulses Cardiac cycle; Cardiac output and its regulation, Frank-Starling Law of the heart, nervous and chemical regulation of heart rate. Electrocardiogram, Blood pressure and its regulation	All allotted portions are completed and notes have also been provided.
T.D.C. 4 th Sem (RC/HG)	1. Introduction to Genetics 2. Processes of Evolutionary Change 3. Species Concept	1. Mendel's work on transmission of traits, Genetic Variation, Molecular basis of Genetic Information. 2. Organic variations; Isolating Mechanisms; Natural selection (Example: Industrial melanism); Types of natural selection (Directional, Stabilizing, Disruptive), Artificial selection 3. Biological species concept (Advantages and Limitations); Modes of speciation (Allopatric, Sympatric)	All allotted portions are completed and notes have also been provided. Chapter in progress.
T.D.C. 5 th Sem (HONS)	1. DNA Replication	1. DNA replication in prokaryotes and eukaryotes, mechanism of DNA	All allotted portions are completed

		concept, Isolating mechanisms, modes of speciation—allopatric, sympatric, Adaptive radiation / macroevolution (exemplified by Galapagos finches).	
	4. Unit 7	4. Extinctions, Background and mass extinctions (causes and effects), detailed example of K-T extinction	

Vii) Extension activities undertaken during the (period):

- Presented a paper entitled “Awareness on sustainable development in Dima Hasao” on 30th January 2023 at the Y20 Pre-summit Event national seminar on environment and sustainable development organized by Haflong Govt College in collaboration with the district administration, Dima Hasao and North Cachar Hills Autonomous Council.

Viii) Student related activities during the (period):

Group discussions were conducted during that period with students of major, regular/generic students of our department. Discussions with the students regarding their Skill enhancement course, to build up their skills in practical were discussed. They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period):

- Covered reports of various events held at the college during the period November 2022 to January 2023.
- Took EVS classes.

X) Academic works during the (period):NA



Deborah Dasgupta

Signature of Teacher

Verified


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile (Nov-Dec 2022 and Jan 2023)



- i) **Name of the teacher:** Dr. Satyajit Das
- ii) **Qualification:** M.Sc., Ph.D. (Assam University, Silchar)
- iii) **Date of Joining:** 24th February, 2021
- iv) **Email:** satyajitdasau@gmail.com
- v) **Specialization Area:** Fishery Science and Aquaculture Biotechnology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 1 st Sem (HONS)	1. Porifera 2. Population	1. General characteristics and Classification upto classes Canal system and spicules in sponges. 2. Unitary and Modular populations, Unique and group attributes of population: Density, natality, mortality, life tables, fecundity tables, survivorship curves, age ratio, sex ratio, dispersal and dispersion, Exponential and logistic growth, equation and patterns, r and K strategies Population regulation - density-dependent and independent factors. Population interactions, Gause's Principle with laboratory and field	All completed.



	3. Community	examples, Lotka-Volterra equation for competition and Predation, functional and numerical responses. 3. Community characteristics: species richness, dominance, diversity, abundance, vertical stratification, Ecotone and edge effect; Ecological succession with one example. Theories pertaining to climax community	
T.D.C. 1 st Sem (RC/HG)	1. Porifera 2. Echinodermata 3. Protochordata 4. Agnatha 5. Pisces	1. General characteristics and Classification upto classes Canal system and spicules in sponges. 2. General characters and classification up to classes; Water-vascular system in Asteroidea 3. General features and <u>Phylogeny</u> of Protochordata 4. General features of Agnatha and classification of cyclostomes up to classes 5. General features and Classification up to orders; Osmoregulation in Fishes	Completed

T.D.C 2 nd Sem (HONS)	1. Introduction to Coelomates 2. Echinodermata 3. Overview of Cell.	1. evolution of coelom and metamerism. 2. general characters and classification upto classes, Water vascular system in Asteroidea, larval forms of Echinodermata, affinities with chordates. 3. Overview of Cell entirely	Completed
T.D.C. 2 nd Sem (RC/HG)	1. Integumentary system. 2. Digestive System 3. Respiratory system	1. Derivatives of integument w.r.t. glands and digital tips. 2. Brief account of alimentary canal and digestive gland. 3. Brief account of Gills, lungs, air sacs and swim bladder.	Completed
T.D.C 3 rd Sem (HONS)	1. Origin of Chordata 2. Agnatha 3. Pisces	1. Dipleurula concept and the Echinoderm theory of origin of chordates Advanced features of vertebrates over Protochordata 2. General characteristics and classification of cyclostomes up to class 3. General characteristics of Chondrichthyes and	All completed



		Osteichthyes, classification up to order Migration, osmoregulation and Parental care in fishes. 4. Tissues 4. Structure, location, classification and functions of epithelial tissue, connective tissue, muscular tissue and nervous tissue. 5. Nervous system 5. Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers; Types of synapse, Synaptic transmission and Neuromuscular junction; Reflex action and its types - reflex arc; Physiology of hearing and vision. 6. Carbohydrates 7. Lipids 8. Nucleic acids	
T.D.C. 3 rd Sem (RC/HG)	1. Nerve and Muscle	1. Structure of a neuron, Resting membrane potential, Graded potential, Origin of	All completed



		Action potential and its propagation in myelinated and non-myelinated nerve fibres, Ultra-structure of skeletal muscle, Molecular and chemical basis of muscle contraction 2. Physiology of digestion in the alimentary canal; Absorption of carbohydrates, proteins, lipids 3. Carbohydrate Metabolism 3. Glycolysis, Krebs Cycle, Pentose phosphate pathway, Gluconeogenesis, Glycogen metabolism, Review of electron transport chain	
T.D.C. 4 th Sem (HONS)	1. Integumentary system. 2. Digestive system 3. Respiratory System. 4. Physiological Digestion. 5. Physiological respiration	1. Structure, functions and derivatives of integument. 2. Alimentary canal and associated glands. 3. Skin, gills, lungs, and air sacs etc. entirely covered. 4. Completed entirely 5. Completed entirely	Completed
T.D.C. 4 th Sem (RC/HG)	1. Mutations 2. History of life	1. Completed entirely. 2. Completed entirely. 3. Completed entirely.	Completed

	3. Introduction to evolutionary theories. 4. Direct evidence of evolution. 5. Process of evolutionary change 6. Species concept 7. Macro evolution 8. Extinction	4. Completed entirely. 5. Completed entirely. 6. Completed entirely. 7. Completed entirely. 8. Completed entirely.	
T.D.C. 5 th Sem (HONS)	1. Transcription 2. Translation 3. Post Transcriptional Modifications and Processing of Eukaryotic RNA	1. Completed entirely. 2. Completed entirely. 3. Completed entirely	
T.D.C. 5 th Sem (RC/HG)	1. Linkage, Crossing Over and Chromosomal Mapping 2. Mutations 3. Sex Determination 4. History of Life 5. Introduction to Evolutionary Theories 6. Direct Evidences of Evolution	1. Completed entirely. 2. Completed entirely. 3. Completed entirely. 4. Completed entirely. 5. Completed entirely. 6. Completed entirely. 7. Completed entirely. 8. Completed entirely. 9. Completed entirely.	All allotted portions are completed



	7. Processes of Evolutionary Change Species concept 8. Macro evolution 9. Extinction		
T.D.C. 6 th Sem (HONS)	1. Developmental Biology 2. Evolutionary Biology	1. Unit 1 2. Unit 1, Unit 2, Unit 3	Completed

Vii) Extension activities undertaken during the (period): NA

Viii) Student related activities during the (period):

Group discussions were conducted during the period with students of major, regular/generic students of our department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period): Took EVS classes.

Moreover, I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as: -

1. Institutional Preparedness for New Education Policy (NEP), 2020 organized by Information, Career Counselling and Student Progression Monitoring Committee (ICCSPMC), IQAC, Lumding, College held on 28th May, 2022.
2. One day workshop on "Intellectual Property Rights and Patents" organized by Information, Career Counselling and Student Progression Monitoring Committee (ICCSPMC), IQAC, Lumding College held on 31st May, 2022.
3. ICT academy Sky Campus Power seminar on "Nurturing the Graduates on Industry Readiness" Hosted by IQAC Lumding College held on 22nd July, 2022.
4. Virtual Career Counselling Session on Chartered Accountancy Course held on 12th June, 2022.

5. Career Awareness Programme by Northeastern chapter of EIRC of ICSI in association with Information, Career Counselling and Student Progression Monitoring Committee (ICCSPMC), IQAC, Lumding College held on 25th July, 2022.

6. World environment day (June 5).

Notwithstanding the above, I have also been appointed by Principal, Lumding College in different Committees under IQAC as active working Member of: -

1. Governance, leadership and management Cell.
2. Research Cell, IQAC, Lumding College.
3. Admission committee for the session 2022-23, Lumding College.
4. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
5. NSS and Extension Activity Cell, IQAC, Lumding College
6. Language Lab Management Committee, IQAC, Lumding College.
7. Sports Committee, IQAC, Lumding College
8. Environment and Climate Cell, Lumding College, Lumding
9. Green Audit Committee, Lumding College, Lumding
10. Standard Clubs, Lumding College, Lumding

X) Academic works during the (period): NA

Verified

Signature of Teacher


Principal
Lumding College
Lumding, Hojai, Assam



A. Department Profile: (Aug, Sep, Oct 2022)

- i) **Name of the department** : Department of Zoology
- ii) **Date of Establishment** : 1984
- iii) **Vision and Mission** : Department of Zoology, Lumding College has been established with an aim to educate students and to provide adequate information related to the subject so as to aware the stakeholders for a better society. Concomitantly, students are enriched with basics of Zoology well as creating skilled human resources in the field of 'Zoology' by offering learning opportunities and working experiences of highest academic standards.
- iv) **Courses Offered** : HS 1st year, HS 2nd Year, B. Sc. in Zoology (Honors and Regular) courses.
- v) **Name of Departmental Teacher(s)** : 1. Dr. Sanghamitra Das (Bose), Head, Associate Professor
2. Dr. Satyajit Das, Assistant Professor
3. Miss Deborah Daolagupu, Assistant Professor
- vi) **Student Progression (last five years)** :

Sl. No	Name	Batch	Qualification	MSc/PhD/Designation
1.	Miss Ranjuli Hasnu	2021	B. Sc. (Zoology)	M.Sc
2.	Mr. Manish Prasad	2021	B. Sc. (Zoology)	M.Sc
3.	Mr. Sarwan Kumar Majhi	2021	B. Sc. (Zoology)	Del.Ed under
4.	Miss Sarita Kumari	2021	B. Sc. (Zoology)	Asstt. Teacher, LPS.
5.	Mr. Rupak Malakar	2022	B. Sc. (Regular)	AP, Fire service dept.
6.	Mr. Manohar Chauhan	2022	B. Sc. (Zoology)	AP, Fire service dept.
7.	Mr. Manoj Kumar Pandit	2022	B.Sc. (Regular)	AP, Fire service dept.



8.	Mr. Anish Kumar	2022	B. Sc. (Zoology)	Asstt. Teacher, I.P.S
9.	Miss Dona Mazumdar	2022	B. Sc. (Zoology)	M.Sc
10.	Miss Nikita Parbosa	2022	B. Sc. (Zoology)	M.Sc
11.	Miss Gitanjali Sahu	2022	B. Sc. (Zoology)	M.Sc
12.	Miss Ranjuni Singh	2021	B. Sc. (Zoology)	MBBS
13.	Miss Mayurakshi Bhattacharjee	2021	B. Sc. (Zoology)	BDS

vii) **Notable Alumni from the
Department since inception**

Sl. No	Name	Batch	Qualification	Designation
1	Dr. Abhishek Raha		MBBS	Doctor
2	Dr. Nilika Thaosen		MBBS	Doctor
3	Mr. Sauvik Dasgupta		M.Sc. Ph.D	Scientist
4	Mr. Kanak Chakraborty		M.Sc. M-Phil	Researcher
5	Mr. Aklesh Kumar		M.Sc. Ph.D	Scientist
6	Miss. Dipika Parbosa		M.Sc.	Bank Officer
7	Mr. Biswadip Sen		M.Sc. Pursuing Ph.D	Researcher
8	Mr. Hillol Das		M.Sc. Pursuing Ph.D	Researcher
9	Mr. Abhijit Mandal		M.Sc. Pursuing Ph.D	Researcher

viii) **Departmental activities
during the (period)**

1. Departmental Seminar

Topics covered: Specific topics were chosen by students related to paper ZOO-HE-6026

Objective: So as to acquire knowledge related to the subject concerned and to develop their presentation skill.

Participated by: T.D.C. 6th Sem (Honors) students.

Venue: Department of Zoology, Lumding College

Date: July 31st, 2022.

Resource Person: Mr. Sanil Sharma, Asstt.



Professor, Department of Zoology, Rabindranath Tagore University, Hojai.

2. Art Competition:

Topic: Environmental Science

Participated by: H.S. 2nd Year, TDC students, Department of Zoology, Lumding College.

3. Essay Competition:

Topic: Environment and ecology.

Participated by: H.S. 2nd Year, TDC students, Department of Zoology, Lumding College.

4. Group Discussion:

Topic: importance of studying Zoology and its practical utility in every life.

Participated by: T.D.C. 2nd sem, 4th Sem, 6th Sem (Honors) students.

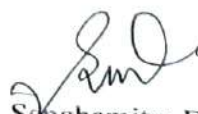
Venue: Department of Zoology, Lumding College

Date: June 5, 2021; 5th June 2022.

- ix) **NAAC Awareness Programme** : An awareness program was organized for the students about the new NAAC procedures on 5th June 2021.
- x) **Student Satisfactory Survey** : Qualitative feedbacks were obtained from students about teaching methodologies, comprehensive coverage of the syllabus, application of ICT tools, etc.
- xi) **Analysis of each semester result** : Each semester results were placed in the departmental meeting. Steps were taken to improve student performance by different approaches particularly with the introduction of new ICT tools.

Verified


Principal
Lumding College
Lumding, Hojai, Assam


(Dr. Sanghamitra Das Bose)
Head
Department of Zoology

Aug, Sep, Oct - 2022



Teacher's Quarterly Profile

1. Name of the Teacher: Dr. Sanghamitra Das Bose.

2. Qualification: M.Sc., M.phil., PG.dip.in ecology and environment, Ph. D. LLB

3. Date of Joining: 03/10/1989

4. E.mail: -sanghamitradasbose@gmail.com

5. Specialization Area: Entomology and Biodiversity

6. Courses assigned and covered:

CLASS	SUBJECT	Courses Assigned	Courses Covered	Remarks
B.Sc (H) 1 st Sem	Zoo HC - 1016 Unit - 3 Practical Classes	All the mentioned Units are assigned	Covered	
B.Sc (G)/(R) 1 st Sem	Zoo RC - 1016 Unit 3, Unit - 7	- do -	Covered	
B.Sc (H) 3 rd Sem	Zoo HC - 3016 Unit 3, Unit 6, Unit 5	- do -	Covered	
B.Sc (G)/(R) 3 rd Sem	Zoo RC - 3016 Practical classes	- do -	Covered	
B.Sc (H) 5 th Sem	Zoo - HC - 5016 Unit - 1, Unit 5	- do -	Covered	
B.Sc (G)/(R) 5 th Sem	Zoo - RE - 5026 Unit - 6	- do -	Covered	



7. Extension Activities undertaken during the period:

Very often I used to go for field work with the students to guide them for the ensuing project works.

Organised Environment Awareness Programmes in Local National HS School and Assamese High School for the students from Environment and Climate Cell.

8. Student related activities during the period:

Career counseling, going for excursion to Kaziranga National Park for the practical experience of the students and guide them properly, Counseling for the yoga and meditation etc.

9. Any other works pertaining to the overall development of the college during the period:

- a) Performed examination invigilation duties as required.
- b) Performed my duties as Internal Examiner in 3rd, 1st and 5th semester practical examinations.
- c) Performed the External Examiner duties in different colleges and higher secondary schools of Hojai district.
- d) Preparing for the organisation of different value based programs for Institutional values and best practices.

10. Academic works during the period:

- i) Delivered lecture on the Constitution day observed by the department of Political science.
- ii) Participated in the National Seminar on Human trafficking organised by the department of Bengali.
- iii) One paper published in a book as chapter on Sericulture practices of the Dimasa.

Dr. Sanghamitra Das Bose
HoD, Zoology Department,
Lumding College.

Verified

Principal
Lumding College
Lumding, Hojai, Assam


Dr. Sanghamitra Das (Bose)

22

B. Teachers' Quarterly Profile (Aug - Oct, 22)



- i) **Name of the teacher:** Dr. Satyajit Das
- ii) **Qualification:** M.Sc., Ph.D. (Assam University, Silchar)
- iii) **Date of Joining:** 24th February, 2021
- iv) **Email:** satyajitdasaufm@gmail.com
- v) **Specialization Area:** Fishery Science and Aquaculture Biotechnology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 1 st Sem (HONS)	1. Non Chordates I: protists to pseudocoelomates 2. Principles of Ecology	1. Protista, Parazoa and metazoan 2. porifera 1. Population 2. Ecosystem 3. Applied Ecology 4. Community	Completed
T.D.C. 1 st Sem (RC/HG)	1. Animal Diversity	1. Kingdom Protista 2. Phylum Porifera 3. Phylum Echinodermata 4. Pisces 5. Reptiles	Completed
T.D.C. 3 rd Sem (HONS)	1. Diversity of Chordates. 2. Animal Physiology	1. introduction to chordate 2. protochordata 3. Pisces 4. Reptiles 5. Amphibia 1. Tissues 2. Nervous 3. Bone and cartilage 4. Reproductive system 1. Carbohydrates 2. Nucleic acid	Completed



		3. Data generation and data retrieval 4. Basic concept of sequence alignment 5. Applications of bioinformatics 6. Biostatistics	
T.D.C. 5 th Sem (Regular)	Applied Zoology	1. Introduction to Host parasite relationship 2. Animal Husbandry 3. Poultry farming 4. Fish technology 5. Epidemiology of diseases 6. Parasite protozoa 7. Insects of medical importance 8. Insects of economic importance.	Completed
T.D.C. 5 th Sem Zoology SEC	Non mulberry and Sericulture	Completed entirely	Completed

Vii) Extension activities undertaken during the (period):

We had conducted one field trip and visited the poultry farm near Murabasti village in Lumding locality, Hojai so as to aware the students of 5th semester regular (Zoology) about the poultry farming techniques, management of breed stocks and participated in a training on induced breeding technique and composite fish culture. During the period, we had taken part in village adoption programme in five different villages in Lumding locality as a part

of UNNAT BHARAT ABHIYAN, Govt of India and had discussed with the stakeholders related to their different health and other major issues for the overall upliftment.

Viii) Student related activities during the (period):

Group discussions were conducted during the period with students of major, regular/generic students of our department. Had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period): I had co-ordinated the seminar on observance of International Youth Day, a special talk by Miss Pallavi Ghosh, social activist, organised by NSS and Extension Activity Cell, IQAC Lumding college on 12/08/2022.

I had actively involved and participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as: -

1. Training of Orunodoi Supervisors and Verifiers, organised by NSS and Extension Activity Cell on 02/08/22.
2. Exit programme of Academic and Administrative Audit organised by IQAC, Lumding College on 10/08/2022.
3. Nurturing the Graduates on Industry Readiness, Power Seminar(online) organised by IQAC and ICT Academy on 22/08/22.
4. One day talk on 'Subhash Chandra Bose: Indian National Army and North east India, organised by Department of History in collaboration with IQAC on 10/08/2022.
5. Har ghar Tiranga Campaign and street drama, Campaign and street drama organised by NSS and Extension Activity cell on 11/08/2022.
6. Special camp on covid vaccine, Health Camp organised by NSS and Extension Activity Cell, IQAC Lumding college on 14/08/2022.
7. Induction Programme for UG students, Awareness Programme on NAAC, Annual Awareness Programme on Code of conduct, organised by IQAC, Lumding College, Lumding on 10/09/22.
8. NSS foundation Day and Blood donation camp and awareness programme with theme: Know about HIV, organised by NSS and Extension Activity cell in association with Assam State Aids Control Society & Assam State Blood transfusion council on 24/09/2022.

9. Career counseling and Industry readiness, power seminar organised by IQAC in collaboration with ICT Academy on 27/09/2022.

NATIONAL SEMINAR:-

Presented paper in the National Seminar on Human trafficking: Special reference to north-east India, organised by Department of Bengali, Lumding College, Lumding from 14th and 15th October, 2022.

Notwithstanding the above, I have also been appointed by Principal, Lumding College in different Committees under IQAC as active working Member of: -

1. Governance, leadership and management Cell,
2. Research Cell, IQAC, Lumding College,
3. Admission committee for the session 2022-23, Lumding College.
4. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.
5. NSS and Extension Activity Cell, IQAC, Lumding College
6. Language Lab Management Committee, IQAC, Lumding College.
7. Sports Committee, IQAC, Lumding College
8. Environment and Climate Cell, Lumding College, Lumding
9. Green Audit Committee, Lumding College, Lumding
10. Standard Clubs, Lumding College, Lumding
11. Unnat Bharat Abhiyan

X) Academic works during the (period):

Participated in a One Week Online Short Term Program on 'Academic Writing', UGC-HRDC, University of Hyderabad.

Verified

10/11

Principal
Lumding College
Lumding, Hojai, Assam



Signature of Teacher



B. Teachers' Quarterly Profile

- i) Name of the teacher: Dr. Abhishek Mazumder
- ii) Qualification: M.Sc
- iii) Date of Joining: 24.09.2022
- iv) Email: mazumder.abhishek88@gmail.com
- v) Specialization Area: Cell and Molecular Biology
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
H.S (Zoology)	Theory 1. Biomolecules 2. Cell cycle Practical 1. Preparation of temporary slide squamous epithelial cells from buccal cavity. 2. Temporary preparation of WBC and RBC cells from mammalian blood.	Theory 1. Biomolecules 2. Cell cycle Practical 1. Preparation of temporary slide squamous epithelial cells from buccal cavity. 2. Temporary preparation of WBC and RBC cells from mammalian blood.	Completed
B.Sc Zoology Hons (1 st sem)	ZOO-HC-1016 Unit 2: Population Unit 3: Community	ZOO-HC-1016 Unit 2: Population Unit 3: Community	Completed
B.Sc Zoology Hons (3 rd sem)	ZOO-HC-3026 Nervous System	ZOO-HC-3026 Nervous System	Completed
B.Sc Zoology Hons (5 th sem)	ZOO-HC-5026 Unit 2: Linkage, cross over and chromosomal mapping	ZOO-HC-5026 Unit 2: Linkage, cross over and chromosomal mapping Unit 3: Mutation	Completed



	Unit 3: Mutation Unit 5: Extra chromosomal inheritance Unit 7: Recombination in bacteria and virus Unit 8: Transposable genetic elements Practical Principals of genetics (All Practicals from syllabus)	Unit 5: Extra chromosomal inheritance Unit 7: Recombination in bacteria and virus Unit 8: Transposable genetic elements Practical Principals of genetics (All Practicals from syllabus)	
B.Sc Zoology Reg (1 st sem)	ZOO-HG/RC-1016 Unit 10: Protochordata Unit 11: Agnatha	ZOO-HG/RC-1016 Unit 10: Protochordata Unit 11: Agnatha	Completed
B.Sc Zoology Reg (3 rd sem)	ZOO-HG/RC-3016 Unit 7: Carbohydrate metabolism Practical 1. Preparation of Hemin crystal 2. Study of permanent slides	ZOO-HG/RC-3016 Unit 7: Carbohydrate metabolism Practical 1. Preparation of Hemin crystal 2. Study of permanent slides	Completed

Vii) Extension activities undertaken during the (period):

B.Sc 1st Semester Honours students were taken to Kaziranga Wildlife Sanctuary for field visit cum botanical excursion as a part of their syllabus. The students visited Kaziranga Wildlife Sanctuary and acquainted with the faunal diversity. The Faculties/Teachers of Lumding College's Zoology Department carried out this extension program.

Viii) Student related activities during the (period):

IX) Any other works pertaining to the overall development of the college during the (period):

Academic research development and policy making committee

X) Academic works during the (period):

Presented Paper entitled, "Correlation between drug abuse and human trafficking – A case study" in National Seminar on "Human Trafficking: Special Reference to North East India"; Organized by Department of Bengali, Lumding College.

Verified



Principal
Lumding College
Lumding, Hojai, Assam

Abhishek Masumder

Signature of Teacher

21

A. Department Profile:



Name of the department

: Department of Zoology

Date of Establishment

: 1984

Vision and Mission

: Department of Zoology, Lumding College has been established with an aim to educate students and to provide adequate information related to the subject so as to aware the stakeholders for a better society. Concomitantly, students are enriched with basics of Zoology well as creating skilled human resources in the field of 'Zoology' by offering learning opportunities and working experiences of highest academic standards.

iv) Courses Offered

: HS 1st year, HS 2nd Year, B. Sc. in Zoology (Honors and Regular) courses.

v) Name of Departmental Teacher(s)

1. Dr. Sanghamitra Das (Bose), Head, Associate Professor
2. Dr. Satyajit Das, Assistant Professor
3. Miss Deborah Daolagupu, Assistant Professor

vi) Student Progression (last five years)

Sl. No	Name	Batch	Qualification	MSc/ PhD/Designation
1.	Miss Ranjuli Hasnu	2021	B. Sc. (Zoology)	M.Sc
2.	Mr. Manish Prasad	2021	B. Sc. (Zoology)	M.Sc
3.	Mr. Sarwan Kumar Majhi	2021	B. Sc. (Zoology)	Del.Ed under
4.	Miss Sarita Kumari	2021	B. Sc. (Zoology)	Asstt. Teacher, LPS.
5.	Mr. Rupak Malakar	2022	B. Sc. (Regular)	AP, Fire service dept.

6.	Mr. Manohar Chauhan	2022	B. Sc. (Zoology)	AP, Fire service dept.
7.	Mr. Manoj Kumar Pandit	2022	B.Sc. (Regular)	AP, Fire service dept.
8.	Mr. Anish Kumar	2022	B. Sc. (Zoology)	Asstt. Teacher, LPS.
9.	Miss Dona Mazumdar	2022	B. Sc. (Zoology)	M.Sc
10.	Miss Nikita Parbosa	2022	B. Sc. (Zoology)	M.Sc
11.	Miss Gitanjali Sahu	2022	B. Sc. (Zoology)	M.Sc
12.	Miss Ranjuni Singh	2021	B. Sc. (Zoology)	MBBS
13.	Miss Mayurakshi Bhattacharjee	2021	B. Sc. (Zoology)	BDS

vii) **Notable Alumni from the** :
Department since inception

Sl. No	Name	Batch	Qualification	Designation
1	Dr. Abhishek Raha			
2	Dr. Nilika Thaosen			
3	Mr. Sauvik Dasgupta			
4	Mr. Kanak Chakraborty			
5	Mr. Aklesh Kumar			
6	Miss. Dipika Parbosa			
7	Mr. Biswadip Sen			
8	Mr. Hillol Das			
9	Mr. Abhijit Mandal			

viii) **Departmental activities** :
during the (period)

1. Departmental Seminar

Topics covered: Specific topics were chosen by students related to paper ZOO-HE-6026

Objective: So as to acquire knowledge related to the subject concerned and to develop their presentation skill.



Participated by: T.D.C. 6th Sem (Honors) students.

Venue: Department of Zoology, Lumding College

Date: July 31st, 2022.

Resource Person: Mr. Sanilal Sharma, Asstt. Professor, Department of Zoology, Rabindranath Tagore University, Hojai.

2. Art Competition:

Topic: Environmental Science

Participated by: H.S. 2nd Year, TDC students, Department of Zoology, Lumding College.

3. Essay Competition:

Topic: Environment and ecology.

Participated by: H.S. 2nd Year, TDC students, Department of Zoology, Lumding College.

4. Group Discussion:

Topic: importance of studying Zoology and its practical utility in every life.

Participated by: T.D.C. 2nd sem, 4th Sem, 6th Sem (Honors) students.

Venue: Department of Zoology, Lumding College

Date: June 5, 2021; 5th June 2022.

- i) **NAAC Awareness Programme** : An awareness program was organized for the students about the new NAAC procedures on 5th June 2021.
- ii) **Student Satisfactory Survey** : Qualitative feedbacks were obtained from students about teaching methodologies, comprehensive coverage of the syllabus, application of ICT tools, etc.
- iii) **Analysis of each semester result** : Each semester results were placed in the departmental meeting. Steps were taken to improve student

performance by different approaches particularly with the introduction of new ICT tools.



Verified

A handwritten signature in blue ink, likely belonging to the Principal of Luming College.

Principal
Luming College
Luming, Hojai, Assam

(Dr. Sanghamitra Das Bose)
Head
Department of Zoology

May - June - July, 2022

Teacher's Quarterly Profile



1. Name of the Teacher: Dr. Sanghamitra Das Bose.
2. Qualification: M.Sc., M.phil., PG.dip.in ecology and environment, Ph. D. LLB
3. Date of Joining: 03/10/1989
4. E.mail: -sanghamitradasbose@gmail.com
5. Specialization Area: Entomology and Biodiversity
6. Courses assigned and covered:

CLASS	SUBJECT	Courses Assigned	Courses Covered	Remarks
B.Sc (H) 2nd Sem	Zoo HC-2016 / HC-2026 Unit - 2 / Unit - 5 Unit - 3	All the mentioned Courses are assigned	Covered all	
B.Sc (G)/(R) 2nd Sem	Rc - 2016 / Unit - 8 Unit - 1	-do-	-do-	
B.Sc (H) 4th Sem	HC-4016 / HC-4026 Unit - 2 / Unit - 1 Practical classes.	-do-	-do-	
B.Sc (G)/(R) 4th Sem	Rc - 4016 Unit - 2	-do-	-do-	
B.Sc (H) 6th Sem	HC - 6016 / HE - 6036 Unit - 1 / Unit: 1 Unit - 4	-do-	-do-	
B.Sc (G)/(R) 6th Sem	RE - 6016 Unit: -1	-do-	-do-	



Professor, Department of Zoology, Rabindranath Tagore University, Hojai.

2. Art Competition:

Topic: Environmental Science

Participated by: H.S. 2nd Year, TDC students, Department of Zoology, Lumding College.

3. Essay Competition:

Topic: Environment and ecology.

Participated by: H.S. 2nd Year, TDC students, Department of Zoology, Lumding College.

4. Group Discussion:

Topic: importance of studying Zoology and its practical utility in every life.

Participated by: T.D.C. 2nd sem, 4th Sem, 6th Sem (Honors) students.

Venue: Department of Zoology, Lumding College

Date: June 5, 2021; 5th June 2022.

- ix) **NAAC Awareness Programme** : An awareness program was organized for the students about the new NAAC procedures on 5th June 2021.
- x) **Student Satisfactory Survey** : Qualitative feedbacks were obtained from students about teaching methodologies, comprehensive coverage of the syllabus, application of ICT tools, etc.
- xi) **Analysis of each semester result** : Each semester results were placed in the departmental meeting. Steps were taken to improve student performance by different approaches particularly with the introduction of new ICT tools.

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Lumding, Hojai, Assam


(Dr. Sanghamitra Das Bose)
Head
Department of Zoology



7. Extension Activities undertaken during the period:

Very often I used to go for field work with the students to guide them for the ensuing project works.

Organised Environment Awareness Programmes in Local National HS School and Assamese High School for the students from Environment and Climate Cell.

8. Student related activities during the period:

Career counseling, going for excursion to Kaziranga National Park for the practical experience of the students and guide them properly, Counseling for the yoga and meditation etc.

9. Any other works pertaining to the overall development of the college during the period:

a) Performed examination invigilation duties as required.

b) Performed my duties as Internal Examiner in 3rd, 1st and 5th semester practical examinations.

c) Performed the External Examiner duties in different colleges and higher secondary schools of Hojai district.

d) Preparing for the organisation of different value based programs for Institutional values and best practices.

10. Academic works during the period:

i) Delivered lecture on the Constitution day observed by the department of Political science.

ii) Participated in the National Seminar on Human trafficking organised by the department of Bengali.

iii) One paper published in a book as chapter on Sericulture practices of the Dimasa.

Dr. Sanghamitra Das Bose
HoD, Zoology Department,
Lumding College.

Verified


Principal
Lumding College
Lumding, Hojai, Assam


(Dr. Sanghamitra Das (Bose))
H.O.D, Zoology.

B. Teachers' Quarterly Profile



- i) **Name of the teacher:** Dr. Satyajit Das
- ii) **Qualification:** M.Sc., Ph.D. (Assam University, Silchar)
- iii) **Date of Joining:** 24th February, 2021
- iv) **Email:** satyajitdasau@gmail.com
- v) **Specialization Area:** Fishery Science and Aquaculture Biotechnology
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2 nd Sem (HONS)	1. Introduction to Coelomates 2. Echinodermata 3. Overview of Cell.	1. evolution of coelom and metamerism. 2. general characters and classification upto classes, Water vascular system in Asteroidea, larval forms of Echinodermata, affinities with chordates. 3. Overview of Cell entirely	Completed
T.D.C. 2 nd Sem (RC/HG)	1. Integumentary system. 2. Digestive System 3. Respiratory system	1. Derivatives of integument w.r.t. glands and digital tips. 2. Brief account of alimentary canal and digestive gland. 3. Brief account of Gills, lungs, air sacs and swim bladder.	Completed
T.D.C. 4 th Sem (HONS)	1. Integumentary system.	1. Structure, functions and derivatives of integument.	Completed

	2.Digestive system 3.Respiratory System. 4.Physiological Digestion. 5.Physiological respiration	2.Alimentary canal and associated glands. 3. Skin, gills,lungs, and air sacs etc. entirely covered. 4.Completed entirely 5.Completed entirely	
T.D.C. 4 th Sem (RC/HG)	1. Mutations 2. History of life 3. Introduction to evolutionary theories. 4. Direct evidence of evolution. 5. Process of evolutionary change 6. Species concept 7. Macro evolution 8. Extinction	1.Completed entirely. 2.Completed entirely. 3.Completed entirely. 4.Completed entirely. 5.Completed entirely. 6.Completed entirely. 7.Completed entirely. 8.Completed entirely.	Completed
T.D.C. 6 th Sem (HONS)	Evolutionary Biology	Unit 1, Unit2, Unit 3, Unit 4, Unit 5, Unit 6, Unit 7, Unit 8, Unit 9.	Completed

Vii) Extension activities undertaken during the (period):

We had conducted one field trip and visited the fish farm near Murabasti village in Lumding locality, Hojai and participated in a training on induced breeding technique and composite fish culture. During the period, we had taken part in a free medical camp at Potupatar village and had discussed with the stakeholders related to their different health and other related issues.

Viii) Student related activities during the (period):

Students of major 6th Sem (Zoology) worked on different projects assigned to them under my supervision so as to study the fish diversity, water chemistry, length weight

relationship of fishes, fish biology etc, of some lotic and lentic water bodies in and around Hojai and Karbi Anglong district of Assam.



Group discussions were conducted during the period with students of major, regular/generic students of our department. I had a discussion with the students regarding their Skill enhancement course, to build up their skills in practical. They were allotted with different topics related to the syllabus where they randomly selected to discuss upon the same. Peer and faculty overview were mixed together to encourage and educate them.

IX) Any other works pertaining to the overall development of the college during the (period): I had actively involved as a coordinator for the program: -

1. Week Long Workshop on "Research Methodology" organized by Research Cell, IQAC, Lumding College held from 19 to 24 May, 2022.

Moreover, I had participated in various programmes and events organized by the different Cells of IQAC, Lumding College, Lumding such as: -

1. Institutional Preparedness for New Education Policy (NEP), 2020 organized by Information, Career Counselling and Student Progression Monitoring Committee (ICCSPMC), IQAC, Lumding, College held on 28th May, 2022.
2. One day workshop on "Intellectual Property Rights and Patents" organized by Information, Career Counselling and Student Progression Monitoring Committee (ICCSPMC), IQAC, Lumding College held on 31st May, 2022.
3. ICT academy Sky Campus Power seminar on "Nurturing the Graduates on Industry Readiness" Hosted by IQAC Lumding College held on 22nd July, 2022.
4. Virtual Career Counselling Session on Chartered Accountancy Course held on 12th June, 2022.
5. Career Awareness Programme by Northeastern chapter of EIRC of ICSI in association with Information, Career Counselling and Student Progression Monitoring Committee (ICCSPMC), IQAC, Lumding College held on 25th July, 2022.
6. World environment day (June 5).

Notwithstanding the above, I have also been appointed by Principal, Lumding College in different Committees under IQAC as active working Member of: -

1. Governance, leadership and management Cell.
2. Research Cell, IQAC, Lumding College.
3. Admission committee for the session 2022-23, Lumding College.

4. Information, Career Counselling and Student Progression Monitoring Cell, IQAC, Lumding College.

5. NSS and Extension Activity Cell, IQAC, Lumding College

6. Language Lab Management Committee, IQAC, Lumding College.

7. Sports Committee, IQAC, Lumding College

8. Environment and Climate Cell, Lumding College, Lumding

9. Green Audit Committee, Lumding College, Lumding

10. Standard Clubs, Lumding College, Lumding



X) Academic works during the (period):

Participated in a One Week Online Short Term Program on 'Academic Writing', UGC-HRDC, University of Hyderabad.

Verified

Satyajit Das.

Signature of Teacher


Principal
Lumding College
Lumding, Hojai, Assam