

Feb - April 2024



A. Departmental profile

1. **Name of the Department : Physics**

2. **Date of Establishment : 1984**

3. **Vision and Mission:**

Vision : To build foundation for excellence and spur development of the institution as a premier institution by igniting and nurturing enthusiasm, interest and passion, in the study of Physics.

Mission : 1) to awaken the young minds and discover their talents both in theory and in practical physics through dedication to teaching.

2) To support the developmental activities of the college and make the department vibrant.

3) To evolve strategies in the department for continuous improvement.

4. **Course Offered :** B. Sc. Physic(FYUGP, CBCS : Honours, Regular, Generic & Skill Enhancement Course)

5. **Name of the Departmental Teacher :**

- | | |
|-------------------------|---------------------|
| 1. Biman Acharjee | Associate Professor |
| 2. Bablu Basumatary | Assistant Professor |
| 3. Seema Nath | Assistant Professor |
| 4. Dr. Sujit Chatterjee | Assistant Professor |

6. **Student Progression :**

Year	Appeared		Passed	
	Honours	Regular	Honours	Regular
2022	06	04	06	04
2021	07	08	06	07
2020	05	10	05	08
2019	13	28	12	25
2018	09	27	08	26

7. **Notable Alumni from the Department since inception :**

1. Ashok Das, Working in Indian Army
2. Susmita Dutta, Software Engineer
3. Dipankar Majumder, Officer in R.B.I.
4. Subir Das, Scientist, Doing research in University of Zurich, Switzerland.
5. Mita Das, Scientist, Doing research in Germany.
6. Manash Dey, Doing Research in Gauhati University.

8. **Departmental activities during the Period:**

i. Conducted Group Discussions in every month among FYUGP(Core), CBCS : Honours students of the Department. Students are provided with various topic

related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the topics in depth.

ii. Department arranged one educational tour on 19th Mar, 2024 to attend Plasma Exhibition programme organised by Rabindranath Tagore University, Hojai, Assam with all faculty and students

iii. There was a faculty exchange programme on 11th Mar, 2024 where Mr. Nirmal Singha, Associate Prof. of RTU came and deliver lecture on regulated power supply.

9. NAAC Awareness Programme :

1. Students participated in Mega Career Counselling programme cum Career Fair on 02.02.24
2. Students participated in Awareness programme of National Road Safety on 13.02.24
3. Teachers' and students participated in Online participation in the foundation of stone laying ceremony of semi-conductor project at Jagiroad, Assam on 13.03.24
4. Students participated in observance of World Earth Day on 22.04.24

10. Student Satisfactory Survey : Not done Departmentally

11. Analysis of each semester result.

Semester Result Analysis B.Sc.(Honours) 2022 Passed Out Students

Semester	Appeared	Passed	Pass Percentage
1 st Semester (2019)	8	6	75%
2 nd Semester (2020)	7	6	86%
3 rd Semester (2020)	6	6	100 %
4 th Semester (2021)	6	6	100%
5 th Semester (2021)	6	6	100%
6 th Semester (2022)	6	6	100%

Verified

Chandani

Principal

Lumding College
Lumding, Hojai, Assam

Biman Acharjee
Signature of HOD

(Feb 2024 – Apr 2024)



B Teachers' Quarterly Profile

- i) Name of the teacher: Biman Acharjee
- ii) Qualification: M.Sc. (Gauhati University)
- iii) Date of Joining: 11-09-1993
- iv) Email: biman.chrj@gmail.com
- v) Specialization Area: High Energy Physics & Astro Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUGP 2nd sem (Core) (MDC)	1. Electric Field and Electric potential 2. Dielectric properties 1. Waste Water management	1. Electric Field and Electric potential 2. Dielectric properties 1. Waste Water management	Completed
CBCS 4rd sem (HC) (HG/RC)	1. Fourier Transform 2. Laplace Transform 3. Tensor Algebra 1. Wave optics 2. Interference 3. Diffraction 4. Polarization	1. Fourier Transform 2. Laplace Transform 3. Tensor Algebra 1. Wave optics 2. Interference 3. Diffraction 4. Polarization	Completed
T.D.C 6th Sem (HC)	Statistical Mechanics (Whole Paper)	Statistical Mechanics (Whole Paper)	Completed

vii) Extension activities undertaken during the (period):

- 1. Students participated in Mega Career Counselling programme cum Career Fair on 02.02.24
- 2. Students participated in Awareness programme of National Road Safety on 13.02.24
- 3. Teachers' and students participated in Online participation in the foundation of stone laying ceremony of semi-conductor project at Jagiroad, Assam on 13.03.24
- 4. Students participated in observance of World Earth Day on 22.04.24

viii) Student related activities during the (period):

- 1. Students are provided with various topic related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the topics in depth.
- 2. Department arranged one educational tour on 19th Mar, 2024 to attend Plasma Exhibition programme organised by Rabindranath Tagore University, Hojai, Assam with all faculty and students

3. There was a faculty exchange programme on 11th Mar, 2024 where Mr. Nirmal Singha, Associate Prof. of RTU came and deliver lecture on regulated power supply.

I have been appointed by Principal, Lumding College and been working as Member of

- Convenor in Addon Certificate Course organized by Lumding College.
- Convenor in Grievence cell in Lumding College.
- Coordinator of RUSA in Lumding College.

Verified

Abandhevi
Principal
Lumding College
Lumding, Hojai, Assam

Biman Acharjee
Signature of Teacher

24)

B. Teachers' Quarterly Profile

- i) **Name of the Teacher:** Bablu Basumatary
- ii) **Qualification:** M. Sc., M. Phil.
- iii) **Date of joining:** 6th Nov. 2002
- iv) **Email:** itishablu@gmail.com
- v) **Specialisation Area :** Laser Physics
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
FYUGP 2nd sem (PHY-101)	1. Magnetic Field 2. Magnetic properties of matter	1. Magnetic Field 2. Magnetic properties of matter	Course Completed
(MDC)	1. Renewable energy 2. Nuclear energy	1. Renewable energy 2. Nuclear energy	
CBCS 4th sem (PHY-HC-3026)	1. Structure of nucleus 2. Radioactivity 3. Detection of nuclear radiation 4. Fission & Fusion 5. Laser	1. Structure of nucleus 2. Radioactivity 3. Detection of nuclear radiation 4. Fission & Fusion 5. Laser	Course Completed
CBCS 6th sem (PHY-HC-5056) (PHY-SE-6014)	EM Theory (Whole Paper) Radiation Safety (Whole Paper)	EM Theory (Whole Paper) Radiation Safety (Whole Paper)	Course Completed

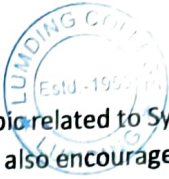
vii) Extension activities undertaken during the (period):

As a member of the IQAC, I was actively involved in organizing following activities.

1. Students participated in Mega Career Counselling programme cum Career Fair on 02.02.24
2. Students participated in Awareness programme of National Road Safety on 13.02.24
3. Teachers' and students participated in Online participation in the foundation of stone laying ceremony of semi-conductor project at Jagiroad, Assam on 13.03.24
4. Students participated in observance of World Earth Day on 22.04.24
5. I was actively involved in preparing and submitting AQAR for the year 2023-24.

viii) Student related activities during the (period):

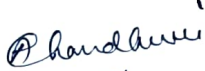
I was actively involved in organizing the given programmes for Students.

- 
1. Students are provided with various topics related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the topics in depth.
 2. Department arranged one educational tour on 19th Mar, 2024 to attend Plasma Exhibition programme organised by Rabindranath Tagore University, Hojai, Assam with all faculty and students
 3. There was a faculty exchange programme on 11th Mar, 2024 where Mr. Nirmal Singha, Associate Prof. of RTU came and deliver lecture on regulated power supply.

ix) Any Other Work pertaining to the overall development of the College during the period:

1. As a convenor of SC/ST cell, I have organized a programme on 12/03/2024 to motivate SC/ST students for higher studies.
2. As a convenor of Minority cell, I have organized a programme on 12/04/2024 in order to motivate students from minority community in their studies and also to maintain communal harmony in and outside the college.

Verified


Principal
Lumding College
Lumding, Hojai, Assam


Signature of the Teacher

(Feb 2024 – Apr 2024)

B. Teachers' Quarterly Profile

- i) Name of the teacher: Seema Nath.
- ii) Qualification: M. Sc., M. Phil.
- iii) Date of joining: 10th May 2007
- iv) Email: seemaphylc@gmail.com
- v) Specialisation Area : Electronics
- vi) Courses assigned and covered:



Class (HS/UG)	Courses assigned	Courses Covered	Remarks
FYUGP 2nd sem (PHY-101)	1. Matrices 2. Electrical Circuit	1. Matrices 2. Electrical Circuit	Course Completed
CBCS 4th sem (PHY-HC-4016) (PHY-HG/RC-4016) (PHY-SE-4014)	1. Complex analysis 2. Complex integration 1. Superposition 2. Wave motion 3. Fluid 4. Sound 1. Basic measurements 2. Electronic Voltmeter 3. CRO 4. Digital Instruments	1. Complex analysis 2. Complex integration 1. Superposition 2. Wave motion 3. Fluid 4. Sound 1. Basic measurements 2. Electronic Voltmeter 3. CRO 4. Digital Instruments	Course Completed
CBCS 6th sem (PHY-HE-6056) (PHY-SE-6054)	1. Classical Dynamics (Whole paper) 1. Classical Dynamics (Whole paper)	1. Classical Dynamics (Whole paper) 1. Classical Dynamics (Whole paper)	Course Completed

vii) Extension activities undertaken during the (period):

1. Students participated in Mega Career Counselling programme cum Career Fair on 02.02.24
2. Students participated in Awareness programme of National Road Safety on 13.02.24
3. Teachers' and students participated in Online participation in the foundation of stone laying ceremony of semi-conductor project at Jagiroad, Assam on 13.03.24
4. Students participated in observance of World Earth Day on 22.04.24

viii) Student related activities during the (period):

1. Students are provided with various topic related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the tropics in depth.
2. Department arranged one educational tour on 19th Mar, 2024 to attend Plasma Exhibition programme organised by Rabindranath Tagore University, Hojai, Assam with all faculty and students
3. There was a faculty exchange programme on 11th Mar, 2024 where Mr. Nirmal Singha, Associate Prof. of RTU came and deliver lecture on regulated power supply.

ix) Any Other Work pertaining to the overall development of the College during the period:

Also, I have been appointed by Principal, Lumding College and been working as convenor of

- Reporting Committee, Lumding College
- OBC Welfare Committee, Lumding College

Member of

- NSS Committee, Lumding College
- Discipline Committee, Lumding College
- Cleanliness Committee, Lumding College
- Energy Audit Committee, Lumding College
- Online Purchase Committee, Lumding College.

Verified

Ahanchumi
Principal
Lumding College
Lumding, Hojai, Assam

Seema Nath
Signature of the Teacher



(Feb 2024 – Apr 2024)

B. Teachers' Quarterly Profile

i. Name of the Teacher: Dr. Sujit Chatterjee

ii. Qualification: M. Sc., Ph.D.

iii. Date of joining: 01st Aug, 2023

iv. Email id: sujitc43@gmail.com

v. Specialization Area: Electronics & CMP

vi. Courses assigned and covered:

Class (HS/UG)	Courses Assigned	Courses Covered	Remarks
FYUGP 2nd sem (PHY-101) (MDC)	1. Differential Equation 1. Battery Basics	1. Differential Equation 1. Battery Basics	Course Completed
CBCS 4th sem (PHY-HC-4016) (PHY-HC-4026) (PHY-SE-4014)	1. Computational Programme 1. Black body radiation 2. Uncertainty principle 3. Schrodinger equation 4. Potential barrier 1. CRO 2. Signal generator 3. Impedance bridges 4. Digital multimeter	1. Computational Programme 1. Black body radiation 2. Uncertainty principle 3. Schrodinger equation 4. Potential barrier 1. CRO 2. Signal generator 3. Impedance bridges 4. Digital multimeter	Course Completed
CBCS 6th sem (PHY-HE-6016) (PHY-HC-6024)	1. Communication Electronics (Whole paper) 1. Computational Programme	1. Communication Electronics (Whole paper) 1. Computational Programme	Course Completed

vii. Extension activities undertaken during the (period):

1. Students participated in Mega Career Counselling programme cum Career Fair on 02.02.24
2. Students participated in Awareness programme of National Road Safety on 13.02.24
3. Teachers' and students participated in Online participation in the foundation of stone laying ceremony of semi-conductor project at Jagiroad, Assam on 13.03.24
4. Students participated in observance of World Earth Day on 22.04.24



viii) Student related activities during the (period):

1. Students are provided with various topic related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the topics in depth.
2. Department arranged one educational tour on 19th Mar, 2024 to attend Plasma Exhibition programme organised by Rabindranath Tagore University, Hojai, Assam with all faculty and students
3. There was a faculty exchange programme on 11th Mar, 2024 where Mr. Nirmal Singha, Associate Prof. of RTU came and deliver lecture on regulated power supply.

ix. Any Other Work pertaining to the overall development of the College during the period:

I have participated in the following program.

1. Participated in a 4 week Faculty Induction / Orientation programme for "Faculty in Universities/ College/ Institute of Higher Education" from 21 Feb- 19Mar, 2024.
2. Act as Session Coordinator of the Comparative literature- In the crossroads of History, culture and society organized by Department of bengali, Lumding college on 29.04 2024.

Verified

Phandhuri

Principal
Lumding College
Lumding, Hojai, Assam

Sujit Chatterjee
Signature of the Teacher

(i) **Teachers' Quarterly Profile: (February-April, 2024)**

(ii) Name of the Teacher: Miss Sampurna Bora

(iii) Qualification: M.A. in English

(iv) Date of Joining: 21/08/2021

(v) Email: sam.in9090@gmail.com

(vi) Specialization Area: Indian Writing in English

(vii) Courses assigned and covered (February-April, 2024)



Class (HS/UG)	Courses assigned	Courses covered	Remarks
FYUGP 2 nd semester (Core)	Unit 3: Forms and Genres in Drama	Unit 3: Forms and Genres in Drama	Completed the allotted portion. Provided notes.
FYUGP 2 nd semester (AEC)	Unit 1: I. the process of communication II. types of communication	Unit 1: I. the process of communication II. types of communication	Completed the allotted portion. Provided notes.
FYUGP 2 nd semester (SEC)	Unit 1: Introduction to Creative Writing	Unit 1: Introduction to Creative Writing	Completed the allotted portion. Provided notes.
B.A. 4 th semester (Honours)	1. Gulliver's Travels 2. She stoops to conquer 3. Poems of William Blake, John Keats 4. Pride and Prejudice 5. Goblin Market	1. Gulliver's Travels 2. She stoops to conquer 3. Poems of William Blake, John Keats 4. Pride and Prejudice 5. Goblin Market	Completed the allotted portion. Provided notes.
B.A. 4 th semester (Alternative English)	On Fear, The Rose, A Horse and two goats, Power.	On Fear, The Rose, A Horse and two goats, Power.	Completed the allotted portion. Provided notes.
B.A. 4 th semester (Skill Enhancement Course)	Unit I- Communicative and Functional Translation, Audio-Visual Translation. Unit II C -Style, Subtitling, Back translation, Landmarks of translation.	Unit I- Communicative and Functional Translation, Audio-Visual Translation. Unit II C -Style, Subtitling, Back translation, Landmarks of translation.	Completed the allotted portion. Provided notes.
B.A. 6 th Semester (Honours)	Waiting for Godot, Things Fall Apart, Collector of	Waiting for Godot, Things Fall Apart, Collector of	Completed the allotted portion.

	Treasure, Names, A Hijra Life story, I shall return to this Bengal, Toba Tek Singh	Treasure, Names, A Hijra Life story, I shall return to this Bengal, Toba Tek Singh	Provided notes. 
B.A 6 th Semester (Skill Enhancement Course)	Precis Writing, Group Discussion	Precis Writing, Group Discussion	Completed the allotted portion. Provided notes.

- (viii) Extension activities undertaken during the period: (a) Worked as an active member of Remedial Coaching Committee (b) Worked as an active member of Library management and monitoring committee (c) Worked as an active member of Literary and Cultural Committee (d) Worked as an active member of Rapporteur Committee.
- (ix) Student related activities during the period: Nil
- (x) Any other works pertaining to the overall development of the college during the period: Have covered reports of various events held at the college during the period February-April.
- (xi) Academic works during the period: (a) Attended an interdisciplinary two-week Refresher Course (online mode) on "Managing Online Classes and Co-creating MOOCs" from 08-25 March.

Verified

Ahandhuni
Principal
Lumding College
Lumding, Hojai, Assam

Signature

Sampurna Bora



A. Departmental profile

1. **Name of the Department : Physics**

2. **Date of Establishment : 1984**

3. **Vision and Mission:**

Vision : To build foundation for excellence and spur development of the institution as a premier institution by igniting and nurturing enthusiasm, interest and passion, in the study of Physics.

Mission : 1) to awaken the young minds and discover their talents both in theory and in practical physics through dedication to teaching.

2) To support the developmental activities of the college and make the department vibrant.

3) To evolve strategies in the department for continuous improvement.

4. **Course Offered** : B. Sc. Physic(FYUGP, CBCS : Honours, Regular, Generic & Skill Enhancement Course)

5. **Name of the Departmental Teacher :**

- | | |
|-------------------------|---------------------|
| 1. Biman Acharjee | Associate Professor |
| 2. Bablu Basumatary | Assistant Professor |
| 3. Seema Nath | Assistant Professor |
| 4. Dr. Sujit Chatterjee | Assistant Professor |

6. **Student Progression :**

Year	Appeared		Passed	
	Honours	Regular	Honours	Regular
2022	06	04	06	04
2021	07	08	06	07
2020	05	10	05	08
2019	13	28	12	25
2018	09	27	08	26

7. **Notable Alumni from the Department since inception :**

1. Ashok Das, Working in Indian Army
2. Susmita Dutta, Software Engineer
3. Dipankar Majumder, Officer in R.B.I.
4. Subir Das, Scientist, Doing research in University of Zurich, Switzerland.
5. Mita Das, Scientist, Doing research in Germany.
6. Manash Dey, Doing Research in Gauhati University.

8. **Departmental during the activities Period :**

Conducted Group Discussions in every month among FYUGP(Core), CBCS : Honours students of the Department. Students are provided with various topic



related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the tropics in depth.

9. NAAC Awareness Programme :

1. Celebration program on Dr. Bhupen Hazarika on 01/11/2023
2. Celebration of Janajatiya Gourab Utsab on 26/11/23
3. Observation of Constitution Day on 26 /11/23
4. Observation of Worlds Aids Day 01/12/23
5. Celebration of National Youth Day on 12/01/24
6. Celebration of Voters Day on 24/01/24

10. Student Satisfactory Survey : Not done Departmentally

11. Analysis of each semester result.

Semester Result Analysis B.Sc.(Honours) 2022 Passed Out Students

Semester	Appeared	Passed	Pass Percentage
1 st Semester (2019)	8	6	75%
2 nd Semester (2020)	7	6	86%
3 rd Semester (2020)	6	6	100 %
4 th Semester (2021)	6	6	100%
5 th Semester (2021)	6	6	100%
6 th Semester (2022)	6	6	100%

Verified

Biman Acharjee
Signature of HOD

A. Choudhury
Principal
Lumding College
Lumding, Hojai, Assam

(Nov 2023 – Jan 2024)



B Teachers' Quarterly Profile

- i) Name of the teacher: Biman Acharjee
- ii) Qualification: M.Sc. (Gauhati University)
- iii) Date of Joining: 11-09-1993
- iv) Email: biman.chrj@gmail.com
- v) Specialization Area: High Energy Physics & Astro Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 1st sem (Core)	1. Curvilinear Coordinate 2. Dirac Delta Function	1. Curvilinear Coordinate 2. Dirac Delta Function.	Completed
T.D.C. 3rd sem (HC)	1. Heat and Thermodynamics 2. Mathematical Physics.	1. Heat and Thermodynamics 2. Mathematical Physics.	Completed
T.D.C 5th Sem (HC)	Soild state physics (Whole Paper)	Soild state physics (Whole Paper).	Completed

vii) Extension activities undertaken during the (period):

1. Celebration program on Dr. Bhupen Hazarika on 01/11/2023
2. Celebration of Janajatiya Gourab Utsab on 26/11/23
3. Observation of Constitution Day on 26 /11/23
4. Observation of Worlds Aids Day 01/12/23
5. Celebration of National Youth Day on 12/01/24
6. Celebration of Voters Day on 24/01/24

viii) Student related activities during the (period):

1. Group discussions were conducted in the month of Nov, 2023 among the major students of our department.
2. Celebration of freshmen social of Lumding College on 14/11/2023.
3. Painting competition for students on the occasion of Worlds Aids Day 01/12/23.
4. Inauguration of placement portal and orientation programme for students about usefulness of ICT tools for learning organized by S.S. Technology Guwahati in association with IQAC, Lumding College.



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

I have been appointed by Principal, Lumding College and been working as Member of

- Convenor in Addon Certificate Course organized by Lumding College.
- Convenor in Grievance cell in Lumding College.
- Coordinator of RUSA in Lumding College.

Bimur Acharjee
Signature of Teacher

Verified

A. Choudhury
Principal
Lumding College
Lumding, Hojai, Assam

(Nov 2023 – Jan. 2024)



B. Teachers' Quarterly Profile

- i) **Name of the Teacher:** Bablu Basumatary
- ii) **Qualification:** M. Sc., M. Phil.
- iii) **Date of joining:** 6th Nov. 2002
- iv) **Email:** itishablu@gmail.com
- v) **Specialisation Area :** Laser Physics
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
B. Sc. 1 st sem (PHY-101)	1. Reference Frames 2. Gravitation and Central Force Motion. 3. Dynamics of Rigid Bodies 4. Laboratories	1. Reference Frames 2. Gravitation and Central Force Motion. 3. Dynamics of Rigid Bodies 4. Laboratories	Course Completed
B. Sc. 3 rd sem (PHY-HC-3026)	<u>Kinetic Theory of Gases.</u> 1. Distribution of Velocities 2. Molecular Collisions 3. Real Gases	<u>Kinetic Theory of Gases.</u> 1. Distribution of Velocities 2. Molecular Collisions 3. Real Gases	Course Completed
B.Sc. 3 rd Sem (PHY-HG/RC-3016)	1. Kinetic Theory of Gases 2. Theory of Radiation	1. Kinetic Theory of Gases 2. Theory of Radiation	Course Completed
B.Sc. 3 rd Sem (PHY-SE-3014)	Physics Workshop Skills (Whole Paper)	Physics Workshop Skills (Whole Paper)	Course Completed
B.Sc. 5 th sem Hons (PHY-HC-5056)	Nuclear and Particle Physics (Whole Paper)	Nuclear and Particle Physics (Whole Paper).	Course Completed
B.Sc. 5 th sem Regular (PHY-HE-5056)	Nuclear and Particle Physics (Whole Paper)	Nuclear and Particle Physics (Whole Paper)	Course Completed
B.Sc. 5 th sem Regular (PHY-SE-5024)	Applied Optics (Whole Paper)	Applied Optics (Whole Paper)	Course Completed

vii) Extension activities undertaken during the (period):

As a member of the IQAC, I was actively involved in organizing following activities.

1. Observance program of 12th Death Anniversary of Dr. Bhupen Hazarika on 05/11/2023
2. Celebration of Janajatiya Gourab Utsab on 26/11/23
3. Observation of Constitution Day on 26 /11/23
4. Celebration of National Youth Day on 12/01/24
5. Celebration of Voters Day on 24/01/24

viii) Student related activities during the (period):

AS a member of IQAC core committee I was actively involved in organizing the given programmes for Students.

1. Introduction programme for new learners organized by KKHSOU, Lumding College centre on 11/11/2023.
2. Celebration of freshmen social of Lumding College on 14/11/2023.
3. Painting competition for students on the occasion of Worlds Aids Day 01/12/23.
4. Inauguration of placement portal and orientation programme for students about usefulness of ICT tools for learning organized by S.S. Technology Guwahati in association with IQAC, Lumding College.
5. Observance of social justice day organized by students union, Lumding College in association with Lumding College.

ix) Any Other Work pertaining to the overall development of the College during the period:

1. As a convenor of SC/ST cell, I have organized a programme on 12/11/2023 to motivate SC/ST students for higher studies.
2. As a convenor of Minority cell, I have organized a programme on 12/01/2024 in order to motivate students from minority community in their studies and also to maintain communal harmony in and outside the college.
3. NEP orientation and sensitization programme organized by MALAVIYA MISSION TEACHERS TRAINING PROGRAMME from 15/12/23 to 23/12/23.

Verified

Chandhuvi
Principal
Lumding College
Lumding, Hojai, Assam

[Signature]
Signature of the Teacher

(Nov 2023 – Jan 2024)



B. Teachers' Quarterly Profile

- i) Name of the teacher: Seema Nath.
- ii) Qualification: M. Sc., M. Phil.
- iii) Date of joining: 10th May 2007
- iv) Email: seemaphyle@gmail.com
- v) Specialisation Area : Electronics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
T.D.C 1 st sem (Hons.)	Oscillations, Work and Energy	Oscillations, Work and Energy	Completed
T.D.C 3 rd sem (Hons.)	Mathematical Physics, Digital Electronics	Mathematical Physics, Digital Electronics	Completed
T.D.C 3 rd sem (HG/RC)	Thermodynamics	Thermodynamics	
T.D.C 5 th sem (Hons.)	Physics of electronic devices.	Physics of electronic devices.	Completed

vii) Extension activities undertaken during the (period):

1. Celebration program on Dr. Bhupen Hazarika on 01/11/2023
2. Celebration of Janajatiya Gourab Utsab on 26/11/23
3. Observation of Constitution Day on 26 /11/23
4. Observation of Worlds Aids Day 01/12/23
5. Celebration of National Youth Day on 12/01/24
6. Celebration of Voters Day on 24/01/24

viii) Student related activities during the (period) : Group discussion were conducted in the month of May among the honors students of our department. They were given a box full of 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) I have participated in the programs such as –

NEP orientation and sensitization programme organized by MALAVIYA MISSION
TEACHERS TRAINING PROGRAMME from 15/12/23 to 23/12/23.



Also, I have been appointed by Principal, Lumding College and been working as convener of

- Reporting Committee, Lumding College
- OBC Welfare Committee, Lumding College

Member of

- NSS Committee, Lumding College
- Discipline Committee, Lumding College
- Cleanliness Committee, Lumding College
- Energy Audit Committee, Lumding College
- Online Purchase Committee, Lumding College.

Verified

Seema Nath

Signature of the Teacher

A Chandhuri

Principal
Lumding College
Lumding, Dima, Assam

(Nov 2023 – Jan 2024)



B. Teachers' Quarterly Profile

i. Name of the Teacher: Dr. Sujit Chatterjee

ii. Qualification: M. Sc., Ph.D.

iii. Date of joining: 01st Aug, 2023

iv. Email id: sujitc43@gmail.com

v. Specialization Area: Electronics & CMP

vi. Courses assigned and covered:

Class (HS/UG)	Courses Assigned	Courses Covered	Remarks
FYUP 1 st Sem (PHY-101) & (VAC-EVS)	(PHY-101) 1. Vector Calculus 2. Dynamics of rigid bodies 3. Conservation Laws (VAC-EVS) 1. Environmental Pollution and Laws	(PHY-101) 1. Vector Calculus 2. Dynamics of rigid bodies 3. Conservation Laws (VAC-EVS) 1. Environmental Pollution and Laws	Course Completed
B.Sc. 3 rd Sem. (PHY-HC- 3036)	1. Introduction to CRO 2. Integrated Circuits 3. Digital Circuits 4. Boolean Algebra 5. Data Processing Circuits 6. Arithmetic Circuits 7. Programming	1. Introduction to CRO 2. Integrated Circuits 3. Digital Circuits 4. Boolean Algebra 5. Data Processing Circuits 6. Arithmetic Circuits 7. Programming	Course Completed
B.Sc. 3 rd Sem. (PHY- HG/RC-3016)	1. Statistical Mechanics	1. Statistical Mechanics	Course Completed
B.Sc. 5 th Sem. (PHY-HC- 5016) & (PHY-HE- 5046)	(PHY-HC-5016) 1. Time dependent Schrodinger equation 2. Time independent Schrodinger equation 3. Bound states 4. Hydrogen like atoms 5. Programming (PHY-HE-5046) 1. Phase Locked Loop 2. Processing of Devices 3. Digital Data Communication standards 4. Introduction to Communication system	(PHY-HC-5016) 1. Time dependent Schrodinger equation 2. Time independent Schrodinger equation 3. Bound states 4. Hydrogen like atoms 5. Programming (PHY-HE-5046) 1. Phase Locked Loop 2. Processing of Devices 3. Digital Data Communication standards 4. Introduction to Communication system	Course Completed

vii. Extension activities undertaken during the (period):

As a member of the NSS & NAAC, I was actively involved in organizing following activities.

1. Celebration program on Dr. Bhupen Hazarika on 01/11/2023
2. Celebration of Janajatiya Gourab Utsab on 26/11/23
3. Observation of Constitution Day on 26 /11/23
4. Observation of Worlds Aids Day 01/12/23
5. Celebration of National Youth Day on 12/01/24
6. Celebration of Voters Day on 24/01/24

viii) Student related activities during the (period):

1. Celebration of freshmen social of Lumding College on 14/11/2023.
2. Painting competition for students on the occasion of Worlds Aids Day 01/12/23.
3. Inauguration of placement portal and orientation programme for students about usefulness of ICT tools for learning organized by S.S. Technology Guwahati in association with IQAC, Lumding College.

ix. Any Other Work pertaining to the overall development of the College during the period:

I have participated in the following program.

1. NEP orientation and sensitization programme organized by MALAVIYA MISSION TEACHERS TRAINING PROGRAMME from 04/12/23 to 13/12/23.
2. Act as Session Coordinator of the National Seminar entitled Human Rights and Gender Justice organized by Seminar organizing Committee, Lumding college on 12 Dec 2024.
3. Act as Technical Coordinator of the National Seminar entitled Human Rights and Gender Justice organized by Seminar organizing Committee, Lumding college on 12 Dec 2024.
4. Published a chapter entitled, "Women in Science and Technology: Unlocking the Potential of Female Physicists" in book *Women and Globalization* published by Women cell, ACTA on Jan 2024.
5. Published a chapter entitled, "An overview of the climate and atmospheric physics in Northeastern region of India" in book *Socio- Cultural Diversity in North- East India* published by ACTA HDHKA ZONE on Jan 2024.

Verified

Sujit Chatterjee
Signature of the Teacher

Alaishwari
Principal
Lumding College
Lumding, Hojai, Assam



A. Departmental profile

- 1. **Name of the Department :** Physics
- 2. **Date of Establishment :** 1984
- 3. **Vision and Mission:**

Vision : To build foundation for excellence and spur development of the institution as a premier institution by igniting and nurturing enthusiasm, interest and passion, in the study of Physics.

- Mission :**
- 1) to awaken the young minds and discover their talents both in theory and in practical physics through dedication to teaching.
 - 2) To support the developmental activities of the college and make the department vibrant.
 - 3) To evolve strategies in the department for continuous improvement.

4. **Course Offered :** B. Sc. Physic(FYUGP, CBCS : Honours, Regular, Generic & Skill Enhancement Course)

5. **Name of the Departmental Teacher :**

- | | |
|-------------------------|---------------------|
| 1. Biman Acharjee | Associate Professor |
| 2. Bablu Basumatary | Assistant Professor |
| 3. Seema Nath | Assistant Professor |
| 4. Dr. Sujit Chatterjee | Assistant Professor |

6. **Student Progression :**

Year	Appeared		Passed	
	Honours	Regular	Honours	Regular
2021	07	08	06	07
2020	05	10	05	08
2019	13	28	12	25
2018	09	27	08	26
2017	07	25	06	23

7. **Notable Alumni from the Department since inception :**

- 1. Ashok Das, Working in Indian Army
- 2. Susmita Dutta, Software Engineer
- 3. Dipankar Majumder, Officer in R.B.I.
- 4. Subir Das, Scientist, Doing research in University of Zurich, Switzerland.
- 5. Mita Das, Scientist, Doing research in Germany.
- 6. Manash Dey, Doing Research in Gauhati University.



8. Departmental during the activities Period :

Conducted Group Discussions in every month among FYUGP(Core), CBCS : Honours students of the Department. Students are provided with various topic related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the topics in depth.

9. NAAC Awareness Programme :

1. Special Assembly of with Live Streaming organized by IQAC on the occasion of Landing of Chandryan3 on 23/08/2023.
2. IQAC Lumding College organized Amrit Brikha Andolan on 17/09/2023
3. Information, Career Counselling and Student progression Monitoring Cell, IQAC organized Career Awareness Programme in Defence and Military Force where Colonel Amul Chanda CO 3NCC Battalion was present on 22/09/2023.

10. Student Satisfactory Survey : Not done Departmentally

11. Analysis of each semester result.

Semester Result Analysis B.Sc.(Honours) 2022 Passed Out Students

Semester	Appeared	Passed	Pass Percentage
1 st Semester (2018)	6	6	100%
2 nd Semester (2019)	6	6	100%
3 rd Semester (2019)	9	8	88.89 %
4 th Semester (2020)	8	8	100%
5 th Semester (2020)	8	7	87.5%
6 th Semester (2021)	7	7	100%

Verified


Principal
Lumding College
Lumding, Hojai, Assam


Signature of HOD



B Teachers' Quarterly Profile

- i) Name of the teacher: Biman Acharjee
- ii) Qualification: M.Sc. (Gauhati University)
- iii) Date of Joining: 11-09-1993
- iv) Email: biman.chrj@gmail.com
- v) Specialization Area: High Energy Physics & Astro Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 1st sem (Core)	1.Curvilinear Coordinate 2.Dirac Delta Function	1.Curvilinear Coordinate 2.Dirac Delta Function.	Completed
T.D.C. 3rd sem (HC)	1. Heat and Thermodynamics 2. Mathematical Physics.	1. Heat and Thermodynamics 2. Mathematical Physics.	Completed
T.D.C 5th Sem (HC)	Soild state physics (Whole Paper)	Soild state physics (Whole Paper).	Completed

- vii) Extension activities undertaken during the (period):
 - a. Special Assembly of with Live Streaming organized by IQAC on the occasion of Landing of Chandryan3 on 23/08/2023.
 - b. IQAC Lumding College organized Amrit Brikha Andolan on 17/09/2023.
- viii) Student related activities during the (period):

Group discussions were conducted in the month of Sept. among the major students of our department.
- ix) Any other works pertaining to the overall development of the college during the (period):

I was actively involved as a coordinator for various programs such as-

- 1. IQAC conduced seminar on introduction program for UG students, awareness program on NAAC.



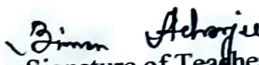
2. KKHSOU, study center conducted seminar for awareness program of open and distance education.
3. IQAC in collaboration with ICT academy seminar on career counseling and industry readiness on the month of Sept, 2023..

Also, I have been appointed by Principal, Lumding College and been working as Member of

- Convenor in Addon Certificate Course organized by Lumding College.
- Convenor in Grievance cell in Lumding College.
- Coordinator of RUSA in Lumding College.

Verified


Principal
Lumding College
Lumding, Hojai, Assam


Signature of Teacher

(August 2023 – Nov 2023)



B. Teachers' Quarterly Profile

- i) **Name of the Teacher:** Bablu Basumatary
- ii) **Qualification:** M. Sc., M. Phil.
- iii) **Date of joining:** 6th Nov. 2002
- iv) **Email:** itisbablu@gmail.com
- v) **Specialisation Area :** Laser Physics
- vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
B. Sc. 1 st sem (PHY-101)	1. Reference Frames 2. Gravitation and Central Force Motion. 3. Dynamics of Rigid Bodies 4. Laboratories	1. Reference Frames 2. Gravitation and Central Force Motion. 3. Dynamics of Rigid Bodies 4. Laboratories	Course Completed
B. Sc. 3 rd sem (PHY-HC-3026)	<u>Kinetic Theory of Gases.</u> 1. Distribution of Velocities 2. Molecular Collisions 3. Real Gases	<u>Kinetic Theory of Gases.</u> 1. Distribution of Velocities 2. Molecular Collisions 3. Real Gases	Course Completed
B.Sc. 3 rd Sem (PHY-HG/RC-3016)	1. Kinetic Theory of Gases 2. Theory of Radiation	1. Kinetic Theory of Gases 2. Theory of Radiation	Course Completed
B.Sc. 3 rd Sem (PHY-SE-3014)	Physics Workshop Skills (Whole Paper)	Physics Workshop Skills (Whole Paper)	Course Completed
B.Sc. 5 th sem Hons (PHY-HC-5056)	Nuclear and Particle Physics (Whole Paper)	Nuclear and Particle Physics (Whole Paper).	Course Completed
B.Sc. 5 th sem Regular (PHY-HE-5056)	Nuclear and Particle Physics (Whole Paper)	Nuclear and Particle Physics (Whole Paper)	Course Completed
B.Sc. 5 th sem Regular (PHY-SE-5024)	Applied Optics (Whole Paper)	Applied Optics (Whole Paper)	Course Completed

vii) Extension activities undertaken during the (period):



As a member of the IQAC, I was actively involved in organizing following activities.

1. Introduction Programme of NEP 2020 organised by IQAC on 08/08/2023.
2. Awareness Programme of NAAC organised by IQAC on 08/08/2023.
3. Annual Awareness Programme on "Code of Conduct" organised by IQAC on 08/08/2023.
4. Special Assembly of with Live Streaming organized by IQAC on the occasion of Landing of Chandryan3 on 23/08/2023.
5. IQAC Lumding College organized Amrit Brikha Andolan on 17/09/2023
6. Information, Career Counselling and Student progression Monitoring Cell, IQAC organized Cereer Awareness Programme in Defencer and Military Force where Colonel Amul Chanda CO 3NCC Battalion was present on 22/09/2023.

viii) Student related activities during the (period) :

1. AS a member of IQAC core committee I was actively involved in organizing the given programmes for Students.
2. Introduction Programme of NEP 2020 organised by IQAC on 08/08/2023.
3. Awareness Programme of NAAC organised by IQAC on 08/08/2023.
4. Annual Awareness Programme on "Code of Conduct" organised by IQAC on 08/08/2023.
5. As a convener of SC/ST Welfare Committee we have conducted a programme 29th Sept. 2023 one day a session to motivate the students of these communities to compete with the other students in all academic activities.
6. As a convener of Minority Welfare cell, a meeting was held on 19th oct. 2023 with Teachers and students of the Minority community and discussed the importance of maintaining peace and harmony inside and outside the college campus.

ix) Any Other Work pertaining to the overall development of the College during the period :

Actively involved in organizing the following programme as a member of IQAC,

4. In observance of Rastriya Ekta Divas on 31/10/2023.
5. In observance of International Day of Divas on 02/10/2023.
6. In observance of World Tourism Day on 27/09/2023

Verified


Principal
Lumding College
Lumding, Hojai, Assam


Signature of the Teacher



B. Teachers' Quarterly Profile

- i) Name of the teacher: Seema Nath.
- ii) Qualification: M. Sc., M. Phil.
- iii) Date of joining: 10th May 2007
- iv) Email: seemaphylc@gmail.com
- v) Specialisation Area : Electronics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
T.D.C 1 st sem (Hons.)	Oscillations, Work and Energy	Oscillations, Work and Energy	Completed
T.D.C 3 rd sem (Hons.)	Mathematical Physics, Digital Electronics	Mathematical Physics, Digital Electronics	Completed
T.D.C 3 rd sem (HG/RC)	Thermodynamics	Thermodynamics	
T.D.C 5 th sem (Hons.)	Physics of electronic devices.	Physics of electronic devices.	Completed

vii) Extension activities undertaken during the (period):

1. Special Assembly on Meri Mati mera Desh and Har ghar Tiranga organized by NSS and Extension Activity cell on 12/08/2023.
2. Celebration of 64th Foundation Day of College on 14/08/2023 organised by LCSU and NSS and Extension Activity cell.
3. Awareness Programme on Swachhata Pakhwada organized by NSS and Extension Activity cell and Campus Cleanliness Committee in the month of September.
4. Career Awareness Programme on Defense and Military Force on 22/09/2023 organized by NSS and Extension Activity cell.
5. Observance of World Tourism Day on 27/09/2023 organized by Yuva Tourism Club and NSS and Extension Activity cell.

viii) Student related activities during the (period) : Group discussion were conducted in the month of May among the honors students of our department. They were given a box full of 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) I have participated in the programs such as –

1. Three days Workshop on Beauty Care organized by Women Cell, ACTA Unit, Lumding College on 25th to 27th August, 2023.
2. An Awareness Programme on Animation, Graphic and Web Designing on 16th Oct, 2023 organized by Women Cell, Lumding College.

Also, I have been appointed by Principal, Lumding College and been working as convenor of

- Reporting Committee, Lumding College
- OBC Welfare Committee, Lumding College

Member of

- NSS Committee, Lumding College
- Discipline Committee, Lumding College
- Cleanliness Committee, Lumding College
- Energy Audit Committee, Lumding College
- Online Purchase Committee, Lumding College.

Verified


Principal
Lumding College
Lumding, Hojai, Assam


Signature of the Teacher

(August 2023 – Nov 2023)



B. Teachers' Quarterly Profile

i. Name of the Teacher: Dr. Sujit Chatterjee

ii. Qualification: M. Sc., Ph.D.

iii. Date of joining: 01st Aug, 2023

iv. Email id: sujitc43@gmail.com

v. Specialization Area: Electronics & CMP

vi. Courses assigned and covered:

Class (HS/UG)	Courses Assigned	Courses Covered	Remarks
FYUP 1 st Sem (PHY-101) & (VAC-EVS)	(PHY-101) 1. Vector Calculus 2. Dynamics of rigid bodies 3. Conservation Laws (VAC-EVS) 1. Environmental Pollution and Laws	(PHY-101) 1. Vector Calculus 2. Dynamics of rigid bodies 3. Conservation Laws (VAC-EVS) 1. Environmental Pollution and Laws	Course Completed
B.Sc. 3 rd Sem. (PHY-HC-3036)	1. Introduction to CRO 2. Integrated Circuits 3. Digital Circuits 4. Boolean Algebra 5. Data Processing Circuits 6. Arithmetic Circuits 7. Programming	1. Introduction to CRO 2. Integrated Circuits 3. Digital Circuits 4. Boolean Algebra 5. Data Processing Circuits 6. Arithmetic Circuits 7. Programming	Course Completed
B.Sc. 3 rd Sem. (PHY-HG/RC-3016)	1. Statistical Mechanics	1. Statistical Mechanics	Course Completed
B.Sc. 5 th Sem. (PHY-HC-5016) & (PHY-HE-5046)	(PHY-HC-5016) 1. Time dependent Schrodinger equation 2. Time independent Schrodinger equation 3. Bound states 4. Hydrogen like atoms 5. Programming (PHY-HE-5046) 1. Phase Locked Loop 2. Processing of Devices 3. Digital Data Communication standards 4. Introduction to Communication system	(PHY-HC-5016) 1. Time dependent Schrodinger equation 2. Time independent Schrodinger equation 3. Bound states 4. Hydrogen like atoms 5. Programming (PHY-HE-5046) 1. Phase Locked Loop 2. Processing of Devices 3. Digital Data Communication standards 4. Introduction to Communication system	Course Completed



vii. Extension activities undertaken during the (period):

As a member of the NSS & NAAC, I was actively involved in organizing following activities.

7. Special Assembly organized by NSS with title "Meri matimeradesh and harghartiranga" on 12/08/23.
8. Celebration of 64th Foundation Day of College organized by LCSU and NSS and Extension Activity Cell on 14/08/23.
9. Observance of Independence Day organized by NSS and Extension Activity Cell on 15/08/23.
10. IQAC Lumding College organized Amrit Brikha Andolan on 17/09/2023.
11. Observance of International Day of Non Violence organized by NSS and Extension activity cell+ Lumding college Alumni Association + Yuva Tourism club on 02/10/23.
12. Student Awareness program on Animation and Graphic Design organized by Women cell on 16/10/23.
13. Cleanliness Drive under Swachha Bharat Abhiyan 3.0 organized by NSS and Extension Activity Cell on 25/10/23.
14. Special Assembly and online competition as a part of National Unity week organized by NSS Extension Activity Cell on 27/10/23 and 28/10/23.
15. Observance of Rastriya Ekta Divas organized by NSS and Extension Activity cell on 31/10/23.

viii) Student related activities during the (period):

NIL

ix. Any Other Work pertaining to the overall development of the College during the period:

I have participated in the following program.

1. National Level Higher Education Teachers' Conference, 2023 on Transformative Reforms in Higher Education in the Light of NEP, 2020 organized by Vidya Bharati Uchcha Shiksha Sansthan (VBUSS), Assam Prant. In association with Gauhati University on 17th Oct, 2023

Verified


Principal
Lumding College
Lumding, Hojai, Assam


Signature of the Teacher

A. Departmental profile

(For the Period from May 2023 to July 2023)

1. **Name of the Department :** Physics

2. **Date of Establishment :** 1984

3. **Vision and Mission:**

Vision : To build foundation for excellence and spur development of the institution as a premier institution by igniting and nurturing enthusiasm, interest and passion, in the study of Physics.

Mission : 1) to awaken the young minds and discover their talents both in theory and in practical physics through dedication to teaching.

2) To support the developmental activities of the college and make the department vibrant.

3) To evolve strategies in the department for continuous improvement.

4. **Course Offered :** B. Sc. Physic(Honours, Regular, Generic & Skill Enhancement Course)

5. **Name of the Departmental Teacher :**

- | | |
|---------------------|---------------------|
| 1. Biman Acharjee | Associate Professor |
| 2. Bablu Basumatary | Assistant Professor |
| 3. Seema Nath | Assistant Professor |

6. **Student Progression :**

Year	Appeared		Passed	
	Honours	Regular	Honours	Regular
2022	06	04	06	04
2021	07	08	06	07
2020	05	10	05	08
2019	13	28	12	25
2018	09	27	08	26

7. **Notable Alumni from the Department since inception :**

1. Ashok Das, Working in Indian Army
2. Susmita Dutta, Software Engineer
3. Dipankar Majumder, Officer in R.B.I.
4. Subir Das, Scientist, Doing research in University of Zurich, Switzerland.
5. Mita Das, Scientist, Doing research in Germany.

6. Manash Dey, Doing Research in Gauhati University.

8. Departmental during the activities Period :

Conducted Group Discussions in every month among Honours students of the Department. Students are provided with various topic related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the topics in depth.

9. NAAC Awareness Programme :

1. Orientation Programme on "Administration and Administrative System" organized by IQAC, Lumding College, Lumding on 23rd June 2023.
2. Workshop on Implementation of New Education Policy (NEP 2020) organized by IQAC, Lumding College, Lumding on 24th June 2023

10. Student Satisfactory Survey : Not done Departmentally

11. Analysis of each semester result.

Semester Result Analysis B.Sc.(Honours) 2022 Passed Out Students

Semester	Appeared	Passed	Pass Percentage
1 st Semester (2019)	8	8	100%
2 nd Semester (2020)	8	7	87.5%
3 rd Semester (2020)	7	7	100%
4 th Semester (2021)	7	6	85.71%
5 th Semester (2021)	7	6	85.71%
6 th Semester (2022)	6	6	100%

Verified


Signature of HOD


Principal
Lumding College
Lumding Hojai, Assam

B Teachers' Quarterly Profile

- i) Name of the teacher: Biman Acharjee
- ii) Qualification: M.Sc. (Gauhati University)
- iii) Date of Joining: 11-09-1993
- iv) Email: biman.chrj@gmail.com
- v) Specialization Area: High Energy Physics & Astro Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2nd sem (HONS)	Waves and Optics	Interference and Diffraction	Completed
T.D.C. 2 nd sem (RC/HG)	Vector and Electrostatics	Vector Alzabra and Gauss's Theorem and Application	Completed
T.D.C. 6 th sem (HC)	Solid state Physics	Crystal Structure and Band Theory of Soild	Completed

- vii) Extension activities undertaken during the (period):
A seminar presentation was carried out in the department by T.D.C. 2ndsem Hons Student.
- viii) Student related activities during the (period):
Group discussions were conducted in the month of June among the major students of our department.
- ix) Any other works pertaining to the overall development of the college during the (period):

I was actively involved as a coordinator for various programs such as-

1. FDP on "LaTex & Xfig" organised by Research Cell, IQAC, Lumding College held from 26th June to 1st July, 2023.
2. Orientation Programme on Academic and Administrative System under EPR Software organized by IQAC, Lumding College on 23rd June, 2023.
3. Webniar on World Food Safety Day organized by NSS and Extension activity Cell and IQAC, Lumding College on 7th June, 2023.
4. Awareness programme on Promoting Environment Conservation Practices organized by Environment and Climate Cell and IQAC, Lumding College on World Environment Day- 2023.

Also, I have been appointed by Principal, Lunding College and been working as Member of

- Convenor in Addon Certificate Course organized by Lunding College.
- Convenor in Grievence cell in Lunding College.
- Coordinator of RUSA in Lunding College.

Verified



Principal
Lunding College
Lunding, Hojai, Assam


Signature of Teacher

B. Teachers' Quarterly Profile

- i) Name of the teacher: Seema Nath.
- ii) Qualification: M. Sc., M. Phil.
- iii) Date of joining: 10th May 2007
- iv) Email: seemaphylc@gmail.com
- v) Specialisation Area : Electronics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
T.D.C 2 nd sem (Hons.)	Waves	Waves	Completed
T.D.C 4 th sem (Hons.)	Mathematical Physics And Analog System and Application	Mathematical Physics and Analog System and Application	Completed
T.D.C 4 th sem (HG/RC)	Waves	Waves	Completed
T.D.C 6 th sem (Hons.)	Classical Dynamics	Classical Dynamics	Completed

vii) Extension activities undertaken during the (period): Not done.

viii) Student related activities during the (period) : Group discussion were conducted in the month of May among the honors students of our department. They were given a box full of 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) I have participated in the programs such as –

1. FDP on “LaTex & Xfig” organised by Research Cell, IQAC, Lumding College held from 26th June to 1st July, 2023.
2. Orientation Programme on Academic and Administrative System under EPR Software organized by IQAC, Lumding College on 23rd June, 2023.

3. Webinar on World Food Safety Day organized by NSS and Extension activity Cell and IQAC, Lumding College on 7th June, 2023.
4. Awareness programme on Promoting Environment Conservation Practices organized by Environment and Climate Cell and IQAC, Lumding College on World Environment Day- 2023.

Also, I have been appointed by Principal, Lumding College and been working as convenor of

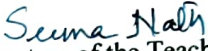
- Reporting Committee, Lumding College
- OBC Welfare Committee, Lumding College

Member of

- NSS Committee, Lumding College
- Discipline Committee, Lumding College
- Cleanliness Committee, Lumding College
- Energy Audit Committee, Lumding College
- Online Purchase Committee, Lumding College.

Verified


Principal
Lumding College
Lumding, Hojai, Assam


Signature of the Teacher

B. Teachers' Quarterly Profile

(From May 2023 to July 2023)

i) **Name of the Teacher:** Bablu Basumatary

ii) **Qualification:** M. Sc., M. Phil.

iii) **Date of joining:** 6th Nov. 2002

iv) **Email:** itisbablu@gmail.com

v) **Specialisation Area :** Laser Physics

vi) **Courses assigned and covered:**

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
B. Sc. 2 nd sem (HC)	1. Magnetic Field. 2. Magnetic Properties of Matter. 3. Electromagnetic Induction. 4. Network Theorems.	1. Magnetic Field. 2. Magnetic Properties of Matter. 3. Electromagnetic Induction. 4. Network Theorems.	Completed
B. Sc. 2 nd sem (HG/RC)	1. Magnetism 2. Electromagnetic Induction 3. Maxwell's Equations EM Wave	1. Magnetism 2. Electromagnetic Induction 3. Maxwell's Equations EM Wave	Completed
B.Sc. 4 th sem (HC)	1. Structure of Atomic Nucleus. 2. Radioactivity. 3. Detection of Nuclear Radiation. 4. Fission and Fusion. 5. Lasers.	1. Structure of Atomic Nucleus. 2. Radioactivity. 3. Detection of Nuclear Radiation. 4. Fission and Fusion. 5. Lasers.	Completed
B.Sc. 4 th sem Hons (SEC)	Renewable Energy and Energy Harvesting. (Whole Paper)	Renewable Energy and Energy Harvesting. (Whole Paper)	Completed
B.Sc. 6 th sem Hons.(HC)	Electromagnetic Theory (Whole Paper)	Electromagnetic Theory (Whole Paper)	Completed

vii) **Extension activities undertaken during the (period):**

As a member of the IQAC, I was actively involved in organizing following activities.

1. Participated FDP on "LaTeX & Xfig" organised by Research Cell, IQAC, Lumding College held from 26th June to 1st July, 2023.
2. Participated FDP on "Professional Development Programme on Implementation of NEP-2020 for University and College Teachers" IGNOU, New Delhi held from 12th June to 20th July, 2023.

3. In preparing AQAR for 3 Years 2018-19, 2019-20, 2020-21.
4. In conducting Students Satisfactory Survey (SSS) in the College.
5. Workshop on "Environment and Climate Change" organized by Eco Club in association with IQAC, Lumding College held from 2nd May, 2023.
6. Workshop on Implementation of New Education Policy (NEP 2020) organized by IQAC, Lumding College, Lumding on 24th June 2023

viii) Student related activities during the (period) :

1. As a convenor of Admission committee, I was fully involved in the admission process of the students through "SAMARTH" and "DARPHAN" and also other admission processes.
2. As a convener of SC/ST Welfare Committee I have conducted a programme for student in order to brief them of various Schemes and provisions of Govt. for the said Community Students and on the same day a session was held to motivate them to compete with the other students in all academic activities.
3. As a convener of Minority Welfare cell, a meeting was held on 20th May 2022 with Teachers and students of the Minority community and discussed the importance of maintaining peace and harmony inside and outside the college campus.

ix) Any Other Work pertaining to the overall development of the College during the period :

Actively involved in organizing the following programme as a member of IQAC,

1. One day seminar on "Intellectual Property Rights and Patents" organized by IQAC, Lumding College in association with Guwahati Biotech Park held on 25th May, 2023.
2. An Awareness Programme on "Electoral Process in India" organized by IQAC, Lumding College in association Electoral Club where the Election Officer from Hojai District was present to deliver the speech held on 29th May, 2022.
3. Webinar on "World Food Safety Day" organized NSS & Extension Activity Cell IQAC, Lumding College, Lumding on 7th June 2023.
4. Orientation Programme on "Administration and Administrative System" organized by IQAC, Lumding College, Lumding on 23rd June 2023.
5. Environment and climate change Workshop organized on 02/05/2023.

Verified



Principal
Lumding College
Lumding, Hojai, Assam



Signature of the Teacher



A. Departmental profile

1. Name of the Department : Physics

2. Date of Establishment : 1984

3. Vision and Mission:

Vision : To build foundation for excellence and spur development of the institution as a premier institution by igniting and nurturing enthusiasm, interest and passion, in the study of Physics.

Mission : 1) to awaken the young minds and discover their talents both in theory and in practical physics through dedication to teaching.

2) To support the developmental activities of the college and make the department vibrant.

3) To evolve strategies in the department for continuous improvement.

4. Course Offered : B. Sc. Physic(Honours, Regular, Generic & Skill Enhancement Course)

5. Name of the Departmental Teacher :

1. Biman Acharjee Associate Professor

2. Bablu Basumatary Assistant Professor

3. Seema Nath Assistant Professor

6. Student Progression :

Year	Appeared		Passed	
	Honours	Regular	Honours	Regular
2021	07	08	06	07
2020	05	10	05	08
2019	13	28	12	25
2018	09	27	08	26
2017	07	25	06	23

7. Notable Alumni from the Department since inception :

1. Ashok Das, Working in Indian Army
2. Susmita Dutta, Software Engineer
3. Dipankar Majumder, Officer in R.B.I.
4. Subir Das, Scientist, Doing research in University of Zurich, Switzerland.
5. Mita Das, Scientist, Doing research in Germany.
6. Manash Dey, Doing Research in Gauhati University.

8. Departmental activities during the Period :

Conducted Group Discussions in every month among Honours students of the Department. Students are provided with various topic related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the tropics in depth.



9. NAAC Awareness Programme :

1. NAAC awareness programme : Yes

10. Student Satisfactory Survey : Not done Departmentally

11. Analysis of each semester result.

Semester Result Analysis B.Sc.(Honours) 2022 Passed Out Students

Semester	Appeared	Passed	Pass Percentage
1 st Semester (2018)	7	7	100 %
2 nd Semester (2019)	7	7	100%
3 rd Semester (2019)	10	9	90%
4 th Semester (2020)	9	9	100%
5 th Semester (2020)	9	8	89%
6 th Semester (2021)	8	8	100%

Verified

✓ Simon Acharyee
Signature of HOD

Principal
Lumding College
Lumding, Hojai, Assam

B Teachers' Quarterly Profile



- i) Name of the teacher: Biman Acharjee
- ii) Qualification: M.Sc. (Gauhati University)
- iii) Date of Joining: 11-09-1993
- iv) Email: biman.chrj@gmail.com
- v) Specialization Area: High Energy Physics & Astro Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2 nd sem (HONS)	Electricity, magnetism & Optics	Electricity, magnetism & Optics.	Completed
T.D.C. 2 nd Sem (RC/HG)	Electrostatics	Electrostatics	Completed
T.D.C. 4 th sem (HC)	Quantum Mechanics	Quantum Mechanics	Completed
T.D.C. 4 th sem (RC/HG)	Optics	Optics	Completed
T.D.C 6 th Sem (HC)	Astrophysics and Statistical Mechanics	Astrophysics and Statistical Mechanics	Completed
T.D.C 6 th Sem (RC)	Astrophysics	Astrophysics	Completed

- vii) Extension activities undertaken during the (period):
A seminar presentation was carried out in the department by T.D.C. 6th sem Hons Student.
- viii) Student related activities during the (period):
Group discussions were conducted in the month of March 2023. among the major students of our department.
- ix) Any other works pertaining to the overall development of the college during the (period):

I was actively involved as a coordinator for various programs such as-

1. IQAC conducted seminar on introduction program for UG students, awareness program on NAAC.

Also, I have been appointed by Principal, Lumding College and been working as Member of



- Convenor in Addon Certificate Course organized by Lumding College.
- Convenor in Grievance cell in Lumding College.
- Coordinator of RUSA in Lumding College.

Verified

Biman Acharyee
Signature of Teacher

My
Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile

- i) Name of the Teacher: Bablu Basumatary
- ii) Qualification: M. Sc., M. Phil.
- iii) Date of joining: 6th Nov. 2002
- iv) Email: itishablu@gmail.com
- v) Specialisation Area : Laser Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
B. Sc. 2 nd sem (HC)	1. Magnetic Field. 2. Magnetic Properties of Matter. 3. Electromagnetic Induction. 4. Network Theorems.	1. Magnetic Field. 2. Magnetic Properties of Matter. 3. Electromagnetic Induction. 4. Network Theorems.	Completed
B. Sc. 2 nd sem (HG/RC)	1. Magnetism 2. Electromagnetic Induction 3. Maxwell's Equations EM Wave	1. Magnetism 2. Electromagnetic Induction 3. Maxwell's Equations EM Wave	Completed
B.Sc. 4 th sem (HC)	1. Structure of Atomic Nucleus. 2. Radioactivity. 3. Detection of Nuclear Radiation. 4. Fission and Fusion. 5. Lasers.	1. Structure of Atomic Nucleus. 2. Radioactivity. 3. Detection of Nuclear Radiation. 4. Lasers.	80% of the Course Completed
B.Sc. 4 th sem Hons (SEC)	Renewable Energy and Energy Harvesting. (Whole Paper)	Renewable Energy and Energy Harvesting. (Whole Paper)	Completed
B.Sc. 6 th sem Hons.(HC)	Electromagnetic Theory (Whole Paper)	Electromagnetic Theory (Whole Paper)	Completed
B.Sc. 6 th Sem RC (SEC)	Renewable Energy and Energy Harvesting. (Whole Paper)	Renewable Energy and Energy Harvesting. (Whole Paper)	Completed

vii) Extension activities undertaken during the (period):

As a member of the IQAC, I was actively involved in organizing following activities.

1. In preparing AQAR for the Years 2022-23
2. Training programme in association of UGC Human Resource Development Centre, Gauhati University on NAAC preparedness & NEP2020 Implementation in HEIs of Assam on 27th Feb. 2023.



3. Observance of Science Day on 28th Feb. 2023.
4. Career Counselling Workshop organised by Information Career Counselling Committee, IQAC in collaboration with ICICI Academy for Skill on Career Opportunities on 17th March 2023

viii) Student related activities during the (period) :

1. As a convener of SC/ST Welfare Committee I have conducted a programme 3rd March 2023 for student in order to brief them of various Schemes and provisions of Govt. for the said Community Students and on the same day a session was held to motivate them to compete with the other students in all academic activities.
2. As a convener of Minority Welfare cell, a meeting was held on 15th April 2022 with Teachers and students of the Minority community and discussed the importance of maintaining peace and harmony inside and outside the college campus.
3. Actively involved in organizing Annual College Week Dt. 10-16th Feb. 2023
4. Actively involved in organizing self Defence Programme for Girl students as " Mission Sahasi" Dt. 20-27th March 2023.

ix) Any Other Work pertaining to the overall development of the College during the period :

1. Invited talk on benefit of Sudarshan Kriya, Speaker Sri Mayank Vasisthaji on 6th Feb. 2023
2. Observance of International Mother Language Day on 21st Feb 2023.
3. Free Medical Camp on 11th March 2023.
4. "LiFE – Lifestyle for Environment" organized by Environment and Climate Change Cell. IQAC Dt. 22-28th March 2023.

Verified

Principal
Lumding College
Lumding, Hojai, Assam

Signature of the Teacher



B. Teachers' Quarterly Profile

- i) Name of the teacher: Seema Nath.
- ii) Qualification: M. Sc., M. Phil.
- iii) Date of joining: 10th May 2007
- iv) Email: seemaphyle@gmail.com
- v) Specialisation Area : Electronics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
T.D.C 2 nd sem (Hons.)	Waves and Optics	Waves and Optics	Completed
T.D.C 4 th sem (Hons.)	Mathematical Physics III, Analog System and Application	Mathematical Physics III, Analog System and Application	Completed
T.D.C 4 th Sem (RC)	Waves and Optics	Waves and Optics	Completed
T.D.C 6 th sem (Hons.)	Classical Dynamics	Classical Dynamics	Completed

vii) Extension activities undertaken during the (period): Not done.

viii) Student related activities during the (period) : Group discussion were conducted in the month of May among the honors students of our department. They were given a box full of 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 Work pertaining to the overall development of the College during the period

1. Actively involved in organizing Annual College Week Dt. 10-16th Feb. 2023
2. Actively involved in organizing self Defence Programme for Girl students as " Mission Sahasi" Dt. 20-27th March 2023.
3. Free Medical Camp on 11th March 2023

Also, I have been appointed by Principal, Lumding College and been working as convenor of



- Reporting Committee, Lumding College
- OBC Welfare Committee, Lumding College

Member of

- NSS Committee, Lumding College
- Discipline Committee, Lumding College
- Cleanliness Committee, Lumding College
- Energy Audit Committee, Lumding College
- Online Purchase Committee, Lumding College.

Verified

Principal
Lumding College
Lumding, Hojai, Assam

Seema Halin.

Signature of the Teacher

A. Departmental profile (Period : 1st Nov. to 31st Jan. 2023)



1. Name of the Department : Physics

2. Date of Establishment : 1984

3. Vision and Mission:

Vision : To build foundation for excellence and spur development of the institution as a premier institution by igniting and nurturing enthusiasm, interest and passion, in the study of Physics.

Mission : 1) to awaken the young minds and discover their talents both in theory and in practical physics through dedication to teaching.

2) To support the developmental activities of the college and make the department vibrant.

3) To evolve strategies in the department for continuous improvement.

4. Course Offered : B. Sc. Physic(Honours, Regular, Generic & Skill Enhancement Course)

5. Name of the Departmental Teacher :

1. Anjan Dey	Associate Professor
2. Biman Acharjee	Associate Professor
3. Bablu Basumatary	Assistant Professor
4. Seema Nath	Assistant Professor

6. Student Progression :

Year	Appeared		Passed	
	Honours	Regular	Honours	Regular
2021	07	08	06	07
2020	05	10	05	08
2019	13	28	12	25
2018	09	27	08	26
2017	07	25	06	23

7. Notable Alumni from the Department since Inception :

1. Ashok Das, Working in Indian Army
2. Susmita Dutta, Software Engineer
3. Dipankar Majumder, Officer in R.B.I.
4. Subir Das, Scientist, Doing research in University of Zurich, Switzerland.
5. Mita Das, Scientist, Doing research in Germany.
6. Manash Dey, Doing Research in Gauhati University.

8. Departmental during the activities Period :

Conducted Group Discussions in every month among Honours students of the Department. Students are provided with various topic related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the topics in depth.

9. NAAC Awareness Programme :

1. Ad- on course on Electric wiring and household repairing was held in the month of Dec. 2022.

10. Student Satisfactory Survey : Not done Departmentally

11. Analysis of each semester result.

Semester Result Analysis B.Sc.(Honours) 2021 Passed Out Students

Semester	Appeared	Passed	Pass Percentage
1 st Semester (2018)	9	8	88.89 %
2 nd Semester (2019)	8	8	100%
3 rd Semester (2019)	8	7	87.5%
4 th Semester (2020)	7	7	100%
5 th Semester (2020)	7	6	85.71%
6 th Semester (2021)	7	6	85.71%

Verified


Head of Department
Lumding, Hojai, Assam


Signature of HOD

B Teachers' Quarterly Profile (Period 1st ~~Nov~~ '22 – 31st Jan. '23)



- i) Name of the teacher: Biman Acharjee
- ii) Qualification: M.Sc. (Gauhati University)
- iii) Date of Joining: 11-09-1993
- iv) Email: biman.chrj@gmail.com
- v) Specialization Area: High Energy Physics & Astro Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 1st sem (HONS)	Mathematical Physics	Mathematical Physics	Completed
T.D.C. 1st Sem (RC/HG)	Vector, Sound and Relativity.	Vector, Sound and Relativity.	Completed
T.D.C. 3rd sem (HC)	Heat and Thermodynamics	Heat and Thermodynamics	Completed
T.D.C 5th Sem (HC)	Soild state physics	Soild state physics	Completed

- vii) Extension activities undertaken during the (period):
A seminar presentation was carried out in the department by T.D.C. 3rd sem Hons Student.
- viii) Student related activities during the (period):
Group discussions were conducted in the month of ~~Sept~~ ^{Dec/2022} among the major students of our department.
- ix) Any other works pertaining to the overall development of the college during the (period):

I was actively involved as a coordinator for various programs such as-

1. IQAC conduced seminar on introduction program for UG students, awareness program on NAAC.
2. KKHSOU, study center conducted seminar for awareness program of open and distance education.

Also, I have been appointed by Principal, Lumding College and been working as Member of

- Convenor in Addon Certificate Course organized by Lumding College.
- Convenor in Grievence cell in Lumding College.
- Coordinator of RUSA in Lumding College.



Verified

Biman Akaija
Signature of Teacher

Licentiate Graduate & MEd
Department of Physics
Lumding College, Lumding, Assam

Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile :

(Period 1st Nov. '22 – 31st Jan. '23)

- i) Name of the Teacher: Bablu Basumatary
- ii) Qualification: M. Sc., M. Phil.
- iii) Date of joining: 6th Nov. 2002
- iv) Email: itisbablu@gmail.com
- v) Specialisation Area : Laser Physics
- vi) Courses assigned and covered:



Class (HS/UG)	Courses assigned	Courses Covered	Remarks
B. Sc. 1 st sem (PHY-HC-1026)	1. Fundamental of Dynamics. 2. Work and Energy. 3. Collision. 4. Rotational Dynamics. 5. Non-Inertial System.	1. Fundamental of Dynamics. 2. Work and Energy. 3. Collision. 4. Rotational Dynamics. 5. Non-Inertial System	Course Completed
B. Sc. 3 rd sem (PHY-HC-3026)	<u>Kinetic Theory of Gases.</u> 1. Distribution of Velocities 2. Molecular Collisions 3. Real Gases	<u>Kinetic Theory of Gases.</u> 1. Distribution of Velocities 2. Molecular Collisions 3. Real Gases	Course Completed
B.Sc. 3 rd Sem (PHY-HG/RC-3016)	1. Kinetic Theory of Gases 2. Theory of Radiation 3. Statistical Mechanics	1. Kinetic Theory of Gases 2. Theory of Radiation 3. Statistical Mechanics	Course Completed
B.Sc. 5 th sem Hons (PHY-HE-5056)	Nuclear and Particle Physics (Whole Paper)	Nuclear and Particle Physics (Whole Paper).	Course Completed
B.Sc. 6 th sem Regular (PHY-HE-5056)	Nuclear and Particle Physics (Whole Paper)	Nuclear and Particle Physics (Whole Paper)	Course Completed
B.Sc. 6 th sem Regular (PHY-SE-5024)	Applied Optics (Whole Paper)	Applied Optics (Whole Paper)	Course Completed

vii) Extension activities undertaken during the (period):

As a core member of the IQAC, I was actively involved in organizing following activities.

1. Observance of Death Anniversary Dr. Bhupen Hazarika on 5th Nov. 2022.
2. Observance of National Education Day on 11th Nov. 2022

3. Awareness drive and survey on Govt. Sponsored people friendly beneficiary schemes organized by NSS and IQAC on 16th Nov. 2022.
4. As a convener of Celebration of 400th Birth Anniversary of Lachit Barpukhan, we have conducted many programme like Cleanliness Drive, Plantation Programme, Art Competition, Assay Competition, Intra District Quiz Competition, 18th – 25th Dec. 2022
5. Observance of Samvidhan Divas on 25th Nov. 2022.
6. Voter's Awareness Programme organized by Lumding College and Hojai District Administration on 25th Nov. 2022.
7. Special Talk NEP on 18th Nov. 2022.
8. Road Safety Awareness Programme on 27th Nov. 2022.
9. Observance of National Youth Day on 12th Jan. 2023.
10. Observance of Parakram Divas on 23rd Jan. 2023
11. Celebration of National Voter's Day
12. Promotional Programme of India's Y20 Summit during G20 Presidency, 20th – 27th Jan. 2023

viii) Student related activities during the (period) :

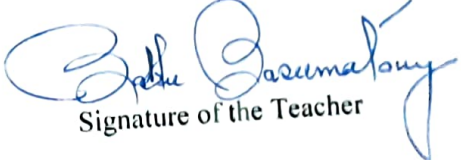
As a member of IQAC core committee I was actively involved in organ

1. Career counseling on Aircraft organized by Bharat Institute of Aeronautics and IQAC, Lumding College on 16th Nov. 2022.
2. As a convener of SC/ST Welfare Committee we have conducted a programme 5th Dec. 2022 one day a session to motivate the students of these communities to compete with the other students in all academic activities.

ix) Any Other Work pertaining to the overall development of the College during the period :

Actively involved in organizing the following programme,

1. As a Convenor of Energy Audit Committee I have completed the report on Energy Audit and Submitted to the Principal, Lumding College, Lumding.
2. As a Course Co-ordinator in the Deptt. of Physics, We have organized Ad-on course on Household Electrical Wiring in the month of January 2023.


Signature of the Teacher

Verified


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile

- Name of the teacher: Seema Nath.
- Qualification: M. Sc., M. Phil.
- Date of joining: 10th May 2007
- Email: seemaphylc@gmail.com
- Specialisation Area : Electronics
- Courses assigned and covered:



Class (HS/UG)	Courses assigned	Courses Covered	Remarks
T.D.C 1 st sem (Hons.)	Mathematical Physics	Mathematical Physics	Completed
T.D.C 3 rd sem (Hons./RC)	Mathematical Physics, Digital Electronics and Thermodynamics	Mathematical Physics, Digital Electronics and Thermodynamics	Completed
T.D.C 5 th sem (Hons.)	Physics of electronic devices.	Physics of electronic devices.	Completed

vii) **Extension activities undertaken during the (period):** A seminar presentation was carried out in the department by T.D.C. 2nd sem Hons Student.

viii) **Student related activities during the (period) :** Group discussion were conducted in the month of December 2022 among the honors students of our department. They were given a box full of 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 Work pertaining to the overall development of the College during the period :**

- As a member of Energy Audit Committee have submitted the report of the committee in the month of January 2023.

Actively involved in organizing the following programme as a member of NSS and Extension Activity Cell-

1. Road Safety Awareness on 27/12/22
2. Celebration of National Voters' Day on 25/01/23



verified

M
Luming College
Luming, Hojai, Assam

Seema Nath
Signature of Teacher



A. Departmental profile

1. **Name of the Department :** Physics

2. **Date of Establishment :** 1984

3. **Vision and Mission:**

Vision : To build foundation for excellence and spur development of the institution as a premier institution by igniting and nurturing enthusiasm, interest and passion, in the study of Physics.

Mission : 1) to awaken the young minds and discover their talents both in theory and in practical physics through dedication to teaching.

2) To support the developmental activities of the college and make the department vibrant.

3) To evolve strategies in the department for continuous improvement.

4. **Course Offered :** B. Sc. Physic(Honours, Regular, Generic & Skill Enhancement Course)

5. **Name of the Departmental Teacher :**

1. Anjan Dey	Associate Professor
2. Biman Acharjee	Associate Professor
3. Bablu Basumatary	Assistant Professor
4. Seema Nath	Assistant Professor

6. **Student Progression :**

Year	Appeared		Passed	
	Honours	Regular	Honours	Regular
2021	07	08	06	07
2020	05	10	05	08
2019	13	28	12	25
2018	09	27	08	26
2017	07	25	06	23

7. **Notable Alumni from the Department since inception :**

1. Ashok Das, Working in Indian Army
2. Susmita Dutta, Software Engineer
3. Dipankar Majumder, Officer in R.B.I.
4. Subir Das, Scientist, Doing research in University of Zurich, Switzerland.
5. Mita Das, Scientist, Doing research in Germany.
6. Manash Dey, Doing Research in Gauhati University.

8. Departmental during the activities Period :

Conducted Group Discussions in every month among students of the Department. Students are provided with various topic related to syllabus in English upon the same. Teachers educate them and also encourage them to learn the topics in depth.

9. NAAC Awareness Programme :

1. One day Workshop on Intellectual property Rights and Patents organised by Information, Career Counseling and Student Progression monitoring Committee, IQAC, Lumding College held on 31/05/2022.
2. ICT Academy Sky Campus Power Seminar on nurturing the graduates on industry readiness, Hosted by IQAC Lumding College, held on 22/07/2022.
3. Career Awareness Programme by North Eastern Chapter on EIRC of ICSE in association with Information, Career Counseling and Student Progression monitoring Committee, IQAC, Lumding College held on 25/07/2022.

10. Student Satisfactory Survey : Not done Departmentally

11. Analysis of each semester result.

Semester Result Analysis B.Sc.(Honours) 2021 Passed Out Students

Semester	Appeared	Passed	Pass Percentage
1 st Semester (2018)	9	8	88.89 %
2 nd Semester (2019)	8	8	100%
3 rd Semester (2019)	8	7	87.5%
4 th Semester (2020)	7	7	100%
5 th Semester (2020)	7	6	85.71%
6 th Semester (2021)	7	6	85.71%

Verified

Signature of HOD


Principal
Lumding College
Lumding, Nagaland

B Teachers' Quarterly Profile



- i) Name of the teacher: Biman Acharjee
- ii) Qualification: M.Sc. (Gauhati University)
- iii) Date of Joining: 11-09-1993
- iv) Email: biman.chrj@gmail.com
- v) Specialization Area: High Energy Physics & Astro Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 1st sem (HONS)	Mathematical Physics	Vector and Differential equation.	Completed
T.D.C. 1st Sem (RC/HG)	Vector, Sound and Relativity.	Vector Algebra and Oscillation.	Completed
T.D.C. 3rd sem (HC)	Heat and Thermodynamics	Maxwell's equation and its application.	Completed
T.D.C 5th Sem (HC)	Soild state physics	Crystal structure and band theory of Soild.	Completed

- vii) Extension activities undertaken during the (period):
A seminar presentation was carried out in the department by T.D.C. 3rd sem Hons Student.
- viii) Student related activities during the (period):
Group discussions were conducted in the month of Sept. among the major students of our department.
- ix) Any other works pertaining to the overall development of the college during the (period):

I was actively involved as a coordinator for various programs such as-

1. IQAC conduced seminar on introduction program for UG students, awareness program on NAAC.
2. KKHSOU, study center conducted seminar for awareness program of open and distance education.
3. IQAC in collaboration with ICT academy seminar on career counseling and industry readiness on the month of Sept, 2022..



Also, I have been appointed by Principal, Lumding College and been working as Member of

- Convenor in Addon Certificate Course organized by Lumding College.
- Convenor in Grievence cell in Lumding College.
- Coordinator of RUSA in Lumding College.

Verified

Signature of Teacher

Principal
Lumding College
Lumding, Hojai, Assam

Teachers' Quarterly Profile

Name of the Teacher: Bablu Basumatary

Qualification: M. Sc., M. Phil.

Date of joining: 6th Nov. 2002

Email: itisbablu@gmail.com

Specialisation Area : Laser Physics

Courses assigned and covered:



Class (HS/UG)	Courses assigned	Courses Covered	Remarks
B.Sc. 1 st sem (PHY-HC-1025)	1. Fundamental of Dynamics. 2. Work and Energy. 3. Collision. 4. Rotational Dynamics. 5. Non-Inertial System.	1. Fundamental of Dynamics. 2. Work and Energy. 3. Collision	Max. Course Covered
B.Sc. 3 rd sem (PHY-HC-1025)	<u>Kinetic Theory of Gases.</u> 1. Distribution of Velocities 2. Molecular Collisions 3. Real Gases	1. Distribution of Velocities 2. Real Gases	Max. Course Covered
B.Sc. 3 rd Sem (PHY-HG/RC-1016)	1. Kinetic Theory of Gases 2. Theory of Radiation 3. Statistical Mechanics	1. Kinetic Theory of Gases 2. Theory of Radiation	Max. Course Covered
B.Sc. 5 th sem Hons (PHY-HE-5056)	Nuclear and Particle Physics (Whole Paper)	1. General Properties of Nuclei. 2. Nuclear Model. 3. Radioactive Decay. 4. Nuclear Reaction. 5. Interaction of Nuclear Radiation with matter.	Five units completed out of Eight units.
B.Sc. 6 th sem Regular (PHY-HE-5056)	Nuclear and Particle Physics (Whole Paper)	1. General Properties of Nuclei. 2. Nuclear Model. 3. Radioactive Decay. 4. Nuclear Reaction. 5. Interaction of Nuclear Radiation with matter	Five units completed out of Eight units.
B.Sc. 6 th sem Regular (PHY-SE-5024)	Applied Optics (Whole Paper)	Whole Theory Part Completed	Few Practical Classes to be Completed

vii) Extension activities undertaken during the (period):

As a member of the IQAC, I was actively involved in organizing following activities.



1. Training of Orunodoi Supervisors and Verifiers on 02/08/2022.
2. Conducting Academic and Administrative Audit on 10/08/2022.
3. One day talk and discussion on Subhash Chandra Bose: Indian National Army and North East India on 10/08/2022.
4. International Youth Day on 12/08/2022.
5. Cleanliness and No Plastic Drive on 13/08/2022.
6. 63rd Foundation Day of College on 14th August 2022.
7. Special Camp on Covid Vaccin on 14/18/2022.
8. Workshop on Martial Arts from 08/09/2011 to 12/09/2022.
9. One day workshop on Tally on 08/09/2022.
10. Multilingual Poets' Meet on 16/09/2022.
11. Observance of NSS Foundation, Blood Donation Camp and awareness programme with theme: "Know about HIV" on 24/09/2022.
12. National Seminar on "Human Trafficking: with Special reference to north east India" on 14th & 15th October 2022.
13. I have presented a Paper during the National Seminar on "Human Trafficking: with Special reference to north east India" on 14th & 15th October 2022.

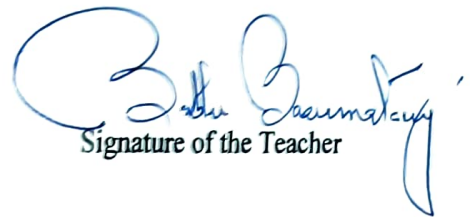
viii) Student related activities during the (period) :

1. AS a member of IQAC core committee I was actively involved in organizing Drawing and Essay7 Writing Competition for Students on 13/08/2022.
2. Organized Induction programme for UG students on 10/09/2022.
3. Organized Awareness programme on NAAC students on 10/09/2022.
4. Organized Annual Awareness programme on Code of Ethics for students on 10/09/2022.
5. Organized Career counseling and Industry readiness on 27/09/2022
6. As a convener of SC/ST Welfare Committee we have conducted a programme 30th Sept. 2022 one day a session to motivate the students of these communities to compete with the other students in all academic activities.
7. As a convener of Minority Welfare cell, a meeting was held on 9th oct. 2022 with Teachers and students of the Minority community and discussed the importance of maintaining peace and harmony inside and outside the college campus.

Any Other Work pertaining to the overall development of the College during the period :
actively involved in organizing the following programme as a member of IQAC,



1. Organizing Unity Run on the occasion of National Unity Day on 31/10/2022.
2. As a team of Energy Audit Committee we are doing the require survey and measurement inside the college campus.


Signature of the Teacher

Verified


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile



- i) Name of the teacher: Seema Nath.
- ii) Qualification: M. Sc., M. Phil.
- iii) Date of joining: 10th May 2007
- iv) Email: seemaphylc@gmail.com
- v) Specialisation Area : Electronics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses Covered	Remarks
T.D.C 1 st sem (Hons.)	Mathematical Physics	Mathematical Physics	Completed
T.D.C 3 rd sem (Hons./RC)	Mathematical Physics, Digital Electronics and Thermodynamics	Mathematical Physics, Digital Electronics and Thermodynamics	Completed
T.D.C 5 th sem (Hons.)	Physics of electronic devices.	Physics of electronic devices.	Completed

vii) Extension activities undertaken during the (period): Not done.

viii) Student related activities during the (period) : Group discussion were conducted in the month of May among the honors students of our department. They were given a box full of 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) I have participated in the programs such as –

1. Week Long Workshop on “Research Methodology” organised by Research Cell, IQAC, Lumding College held from 19 to 24 May, 2022.
2. World environment day (June 5).

x) I have presented a seminar paper in a National Seminar on Human Trafficking Special reference to north-east India, organized by department of Bengali, Lumding College on 14th and 15th October, 2022.

Also, I have been appointed by Principal, Lumding College and been working as convenor of
Reporting Committee, Lumding College
OBC Welfare Committee, Lumding College



Member of

- NSS Committee, Lumding College
- Discipline Committee, Lumding College
- Cleanliness Committee, Lumding College
- Energy Audit Committee, Lumding College
- Online Purchase Committee, Lumding College.

Verified

Sig of Teacher


Principal
Lumding College
Lumding, Hojai, Assam



A. Departmental profile

1. Name of the Department : Physics

2. Date of Establishment : 1984

3. Vision and Mission:

Vision : To build foundation for excellence and spur development of the institution as a premier institution by igniting and nurturing enthusiasm, interest and passion, in the study of Physics.

Mission : 1) to awaken the young minds and discover their talents both in theory and in practical physics through dedication to teaching.

2) To support the developmental activities of the college and make the department vibrant.

3) To evolve strategies in the department for continuous improvement.

4. Course Offered : B. Sc. Physic(Honours, Regular, Generic & Skill Enhancement Course)

5. Name of the Departmental Teacher :

1. Anjan Dey

Associate Professor

2. Biman Acharjee

Associate Professor

3. Bablu Basumatary

Assistant Professor

4. Seema Nath

Assistant Professor

6. Student Progression :

Year	Appeared		Passed	
	Honours	Regular	Honours	Regular
2021	07	08	06	07
2020	05	10	05	08
2019	13	28	12	25
2018	09	27	08	26
2017	07	25	06	23

7. Notable Alumni from the Department since inception :

1. Ashok Das, Working in Indian Army
2. Susmita Dutta, Software Engineer
3. Dipankar Majumder, Officer in R.B.I.
4. Subir Das, Scientist, Doing research in University of Zurich, Switzerland.
5. Mita Das, Scientist, Doing research in Germany.
6. Manash Dey, Doing Research in Gauhati University.



8. Departmental during the activities Period :

Conducted Group Discussions in every month among Honours students of the Department. Students are provided with various topic related to Syllabus to Discuss upon the same. Teachers educate them and also encourage them to learn the topics in depth.

9. NAAC Awareness Programme :

1. One day Workshop on Intellectual property Rights and Patents organised by Information, Career Counseling and Student Progression monitoring Committee, IQAC, Lumding College held on 31/05/2022.
2. ICT Academy Sky Campus Power Seminar on nurturing the graduates on industry readiness, Hosted by IQAC Lumding College, held on 22/07/2022.
3. Career Awareness Programme by North Eastern Chapter of EIRC of ICSI in association with Information, Career Counseling and Student Progression monitoring Committee, IQAC, Lumding College held on 25/07/2022.

10. Student Satisfactory Survey : Not done Departmentally

11. Analysis of each semester result.

Semester Result Analysis B.Sc.(Honours) 2021 Passed Out Students

Semester	Appeared	Passed	Pass Percentage
1 st Semester (2018)	9	8	88.89 %
2 nd Semester (2019)	8	8	100%
3 rd Semester (2019)	8	7	87.5%
4 th Semester (2020)	7	7	100%
5 th Semester (2020)	7	6	85.71%
6 th Semester (2021)	7	6	85.71%

Verified

M

Principal
Lumding College
Lumding, Hojai, Assam

Biman Acharjee
Signature of HOD

B Teachers' Quarterly Profile



- i) Name of the teacher: Biman Acharjee
- ii) Qualification: M.Sc. (Gauhati University)
- iii) Date of Joining: 11-09-1993
- iv) Email: biman.chrj@gmail.com
- v) Specialization Area: High Energy Physics & Astro Physics
- vi) Courses assigned and covered:

Class (HS/UG)	Courses assigned	Courses covered	Remarks
T.D.C 2nd sem (HONS)	Waves and Optics	Interference and Diffraction	Completed
T.D.C. 2 nd sem (RC/HG)	Vector and Electrostatics	Vector Alzabra and Gauss's Theorem and Application	Completed
T.D.C. 6 th sem (HC)	Solid state Physics	Crystal Structure and Band Theory of Soild	Completed

- vii) Extension activities undertaken during the (period):

A seminar presentation was carried out in the department by T.D.C. 2ndsem Hons Student.

- viii) Student related activities during the (period):

Group discussions were conducted in the month of June among the major students of our department.

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

I was actively involved as a coordinator for various programs 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.



Along with this, I have participated in various programs such as-

1. Week Long Workshop on "Research Methodology" organized by Research Cell, iQaC, Lumding College held from 19 to 24 May, 2022.
2. World environment day (June 5).

Also, I have been appointed by Principal, Lumding College and been working as Member of

- Convenor in Addon Certificate Course organized by Lumding College.
- Convenor in Grievance cell in Lumding College.
- Coordinator of RUSA in Lumding College.


Signature of Teacher

Verified


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile

- i) **Name of the Teacher:** Bablu Basumatary
- ii) **Qualification:** M. Sc., M. Phil.
- iii) **Date of joining:** 6th Nov. 2002
- iv) **Email:** itisbablu@gmail.com
- v) **Specialisation Area :** Laser Physics
- vi) **Courses assigned and covered:**



Class (HS/UG)	Courses assigned	Courses Covered	Remarks
B. Sc. 2 nd sem (HC)	1. Magnetic Field. 2. Magnetic Properties of Matter. 3. Electromagnetic Induction. 4. Network Theorems.	1. Magnetic Field. 2. Magnetic Properties of Matter. 3. Electromagnetic Induction. 4. Network Theorems.	Completed
B. Sc. 2 nd sem (HG/RC)	1. Magnetism 2. Electromagnetic Induction 3. Maxwell's Equations EM Wave	1. Magnetism 2. Electromagnetic Induction 3. Maxwell's Equations EM Wave	Completed
B.Sc. 4 th sem (HC)	1. Structure of Atomic Nucleus. 2. Radioactivity. 3. Detection of Nuclear Radiation. 4. Fission and Fusion. 5. Lasers.	1. Structure of Atomic Nucleus. 2. Radioactivity. 3. Detection of Nuclear Radiation. 4. Fission and Fusion. 5. Lasers.	Completed
B.Sc. 4 th sem Hons (SEC)	Renewable Energy and Energy Harvesting. (Whole Paper)	Renewable Energy and Energy Harvesting. (Whole Paper)	Completed
B.Sc. 6 th sem Hons.(HC)	Electromagnetic Theory (Whole Paper)	Electromagnetic Theory (Whole Paper)	Completed

vii) Extension activities undertaken during the (period):

As a member of the IQAC, I was actively involved in organizing following activities.

1. In preparing AQAR for 3 Years 2018-19, 2019-20, 2020-21.
2. In conducting Students Satisfactory Survey (SSS) in the College.
3. Week Long Workshop on "Research Methodology" organized by Research Cell, IQAC, Lumding College held from 19 to 24 May, 2022.
4. World environment day (June 5).

viii) **Student related activities during the (period) :**

1. As a member of the Internal Examination Committee I conducted the Sessional Examinations of 2nd, 4th and 6th Semester and also the Pre-Final Examinations of H.S. 1st & H.S. 2nd Year.
2. As A.O.C. I have conducted the H.S. 1st & H.S. 2nd Year Final Examination of A.H.S.E.C.
3. As a convener of SC/ST Welfare Committee I have conducted a programme 2nd May 2022 for student in order to brief them of various Schemes and provisions of Govt. for the said Community Students and on the same day a session was held to motivate them to compete with the other students in all academic activities.
4. As a convener of Minority Welfare cell, a meeting was held on 15th May 2022 with Teachers and students of the Minority community and discussed the importance of maintaining peace and harmony inside and outside the college campus.

ix) **Any Other Work pertaining to the overall development of the College during the period :**

Actively involved in organizing the following programme as a member of IQAC,

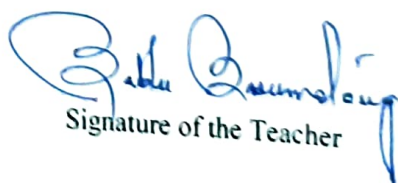
1. Institutional Preparedness for New Education Policy (NEP), 2020 organized by Information, Career Counselling and Student Progression Monitoring Committee (ICCSPMC), IQAC, Lumding College held on 28th May, 2022.
2. One day, workshop on "Intellectual Property Rights and Patents" organized by Information,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

As a team of Energy Audit Committee we are doing the require survey and measurement inside the college campus. The work is in the final stage and will be completed shortly.

Verified

101

Principal
Lumding College
Lumding, Hojai, Assam


Signature of the Teacher

B. Teachers' Quarterly Profile

- Name of the teacher: Seema Nath,
- Qualification: M. Sc., M. Phil.
- Date of joining: 10th May 2007
- Email: seemaphyle@gmail.com
- Specialisation Area : Electronics
- Courses assigned and covered:



Class (HS/UG)	Courses assigned	Courses Covered	Remarks
T.D.C 2 nd sem (Hons.)	Waves	Waves	Completed
T.D.C 4 th sem (Hons.)	Mathematical Physics And Analog System and Application	Mathematical Physics	Completed
T.D.C 4 th sem (HG/RC)	Waves	Waves	Completed
T.D.C 6 th sem (Hons.)	Classical Dynamics		Completed

vii) Extension activities undertaken during the (period): Not done.

viii) Student related activities during the (period) : Group discussion were conducted in the month of May among the honors students of our department. They were given a box full of 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) I have participated in the programs such as –

- Week Long Workshop on “Research Methodology” organised by Research Cell, IQAC, Lumding College held from 19 to 24 May, 2022.
- World environment day (June 5).

Also, I have been appointed by Principal, Lumding College and been working as convenor of



Member of

- NSS Committee, Lumding College
- Discipline Committee, Lumding College
- Cleanliness Committee, Lumding College
- Energy Audit Committee, Lumding College
- Online Purchase Committee, Lumding College.

Accepted

Sig. of Teacher


Principal
Lumding College
Lumding, Hojai, Assam

B. Teachers' Quarterly Profile

- i) Name of the teacher: Anjan Dey
- ii) Qualification: M. Sc
- iii) Date of joining: 13th September, 1984
- iv) Email-anjan_lmg@rediffmail.com
- v) Specialisation Area : Electronics
- vi) Courses assigned and covered:



Class	Courses assigned	Courses Covered	Remarks
T.D.C 2 nd sem (Hons.)	ELECTRICITY	ELECTRICITY	Completed
T.D.C 2 nd sem (RC/HG)	MAGNETISM	MAGNETISM	Completed
T.D.C 4 th sem (HONS)	QUANTUM MECHANICS	QUANTUM MECHANICS	Completed
T.D.C 6 th sem (Hons.)	STATISTICAL MECHANICS	STATISTICAL MECHANICS	Completed

vii) Extension activities undertaken during the (period): Not done.

viii) Student related activities during the (period) : Not done.

ix)

Member of

- Energy Audit Committee, Lumding College

Verified

 Principal
 Lumding College
 Lumding, Hojai, Assam