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(ANNUAL REPORT FOR THE PERIOD 1st August 2024 TO 31st JULY 2025)

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NORTH GAUHATI COLLEGE

Year of Establishment:1962

1. Address: North Gauhati College, Guwahati - 31, Kamrup, Assam. Pin781031
2. Website: www.northgauhaticollege.in
3. E-mail: principalngc1962@gmail.com
4. Name of the Principal: Dr. Bhaskar Jyoti Hazarika
5. Phone: (M) 7002599758
6. E-mail ID of the Principal: principalngc1962@gmail.com
7. Type of Management: State Government
8. Year of Provincialization: 2005
9. a) Year of recognition under Section 2F of UGC Act, 1956: 1963
b) Year of recognition under Section12B of UGC Act, 1956: 1963
10. Year of last NAAC Accreditation: 2025 Grade/Points obtained: B⁺ (CGPA 2.61)
11. Programmes offered:

Programmes	Year of first affiliation	Year of permanent affiliation
B.A.	1964	
B.Sc.	1991	
B.Voc.	2016	

12. New Academic programmes introduced during 2024-25: Nil

13. Student Enrolment during 2024-2025:

a) Undergraduate:

Programme	Semester	Intake capacity	Total admitted			SC			ST(P)			ST (H)			OBC/MOB C			PH		
			M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.A.	1 st Sem/ 2 nd Sem		74	125	199	09	15	24	06	26	32	0	0	0	24	28	52	0	0	0
	3 rd Sem/ 4 th Sem.		47	90	137	06	20	26	02	11	13	01	02	03	12	18	30	0	0	0
	5 th Sem./ 6 th Sem.		37	51	88	03	04	07	03	06	09	01	00	01	14	18	32	0	0	0
	Total		158	266	424	18	39	57	11	43	54	2	2	4	50	64	114	0	0	0
B.Sc.	1 st Sem/ 2 nd Sem		128	111	239	02	01	03	03	04	07	0	0	0	31	21	52	0	0	0
	3 rd Sem/ 4 th Sem.		31	33	64	01	00	01	01	00	01	0	0	0	04	13	17	0	0	0
	5 th Sem./ 6 th Sem.		36	27	63	01	00	01	02	02	04	0	0	0	06	05	11	0	0	0
	Total		195	171	366	4	1	5	6	6	12	0	0	0	41	39	80	0	0	0
B.Com	1 st Sem/ 2 nd Sem		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3 rd Sem/ 4 th Sem.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5 th Sem./ 6 th Sem.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B.Voc.	1 st Sem/ 2 nd Sem		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3 rd Sem/ 4 th Sem.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5 th Sem./ 6 th Sem.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCA	1 st Sem/ 2 nd Sem		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3 rd Sem/ 4 th Sem.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5 th Sem./ 6 th Sem.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diplo ma progra mme			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Certifi cate progra mme			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other program mes			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Total			353	437	790	22	40	62	17	49	66	2	2	4	91	103	194	0	0	0

b) Post-Graduate (subject wise):

[illegible]

14. Final Examination Result (Regular Programmes only)

a. Appeared

[illegible]**b. Passed**[illegible]

15. Final Examination Result (Under graduate Major Course/ Honours Programme- Subject wise).

a. Appeared

Major/ Honours subject	Total appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Political Science	04	06	10	01	00	01	00	01	01	01	00	01	01	00	01	0	0	0
Economics	00	02	02	0	0	0	0	0	0	0	0	0	00	01	01	0	0	0
Education	06	05	11	00	02	02	02	00	02	0	0	0	03	01	04	0	0	0
English	01	04	05	0	0	0	00	01	01	0	0	0	00	01	01	0	0	0
Anthropology	05	10	15	00	01	01	0	0	0	0	0	0	02	05	07	0	0	0
Assamese	04	11	15	0	0	0	00	01	01	0	0	0	01	06	07	0	0	0
Geography	02	01	03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
History	00	02	02	0	0	0	00	01	01	0	0	0	00	01	01	0	0	0
Chemistry	03	03	06	01	00	01	00	01	01	0	0	0	00	01	01	0	0	0
Zoology	04	03	07	0	0	0	00	01	01	0	0	0	01	00	01	0	0	0
Physics	01	00	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Botany	03	07	10	00	01	01	01	00	01	0	0	0	00	01	01	0	0	0
Mathematics	03	00	03	0	0	0	01	00	01	0	0	0	01	00	01	0	0	0
Grand Total	36	54	90	02	04	06	04	06	10	01	00	01	09	17	26	0	0	0

b. Passed

Major/ Honours subject	Total Passed			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Political Science	04	06	10	01	00	01	00	01	01	01	00	01	01	00	01	0	0	0
Economics	00	02	02	0	0	0	0	0	0	0	0	0	00	01	01	0	0	0
Education	04	04	08	00	01	01	01	00	01	0	0	0	02	01	03	0	0	0
English	00	04	04	0	0	0	00	01	01	0	0	0	00	01	01	0	0	0
Anthropology	05	10	15	00	01	01	0	0	0	0	0	0	02	05	07	0	0	0
Assamese	03	11	14	0	0	0	00	01	01	0	0	0	01	06	07	0	0	0
Geography	02	01	03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
History	00	02	02	0	0	0	00	01	01	0	0	0	00	01	01	0	0	0
Chemistry	00	03	03	00	00	00	00	01	01	0	0	0	00	01	01	0	0	0
Zoology	03	03	06	0	0	0	00	01	01	0	0	0	01	00	01	0	0	0
Physics	01	00	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Botany	02	06	08	00	01	01	01	00	01	0	0	0	00	01	01	0	0	0
Mathematics	03	00	03	0	0	0	01	00	01	0	0	0	01	00	01	0	0	0
Grand Total	27	52	79	01	03	04	03	06	09	01	00	01	08	17	25	0	0	0

16. Final Examination Result (Post Graduate Programmes- Subject wise).

a) Appeared

Subject	Total appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

b) Passed

Subject	Total Passed			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

17. Library facility as on 31-07-2025

No. of Books	No. of Periodicals	No. of Manuscripts	No. of Journals	No. of E-journals	No. of library users during 2023-24
24548	02	12	12	Access over 13000 from ONOS + N-List & Directory of Open Access Journals	Average 40 per day

18. Detail of Teaching Staff as on 31-07-2025

No. of		Total	No. of Teachers with					
Assistant professors	Associate professors		Ph.D.	M.Phil.	NET	SLET	D. Lit.	D.Sc.
13	31	44	31	05	17	05	--	--

19. Computer and Internet facilities:

- a) Total number of Computers: 54 b) Number of computers with INFLIBNET- NLIST access: 05
- c) Number of ICT enabled class room(s)/smart class room (s): 04

20. Extra-curricular and Co-curricular activities:

- a) No. of N.C.C. Cadets: 100 b) No. of N.S.S. Volunteers: 100
- c) No. of Scouts & Guides/Rovers/Rangers: Nil
- d) Achievements/Awards of students in Regional/National events:
 - i. Jubaraj Newar and Sangita Das, NSS volunteers, North Gauhati College receive appreciation Certificates from Nandita Galosa, Sports & Welfare Minister, Govt. of Assam for their extension activities on 13.03.2025.
 - ii. Jubin Saikia NSS student of North Gauhati College wins 3rd Prize in the State Level Red Run Marathon Competition held at Gauhati University on 08.10.2024.
 - iii. North Gauhati College NCC secures 3rd position in 76th Republic Day March-past organized by Kamrup District Administration on 26th January, 2025.
 - iv. North Gauhati College NCC secures 1st position in 78th Independence Day March-past organized by Kamrup District Administration. 15th August, 2024

21. Faculty development programmes organized by the college during 2024-25:

- i. Organised Online Faculty Development Programme: NEP 2020 Orientation & Sensitization Programme on 5th to 14th February, 2025 in collaboration with MMTTC, Gauhati University, Assam.

22. Seminars/Workshop/Webinars conducted (2024-25):

- i. A Career Counselling Seminar on Artificial Intelligence was organized by Career Counselling Cell in collaboration with ICA Edu skills on 22nd August, 2024. Recourse Person: Atikur Rahman Barthiraj, Centre Director, ICA Academy, Zoo Road Branch.
- ii. The Red Ribbon Club (RRC) of North Gauhati College, with support from ASACS and in collaboration with the Students' Union, NSS, and NCC units of the college, organized a two-day awareness program on the 9th to 10th of September, 2024. Recourse Person: Mrs. Mayurpankhi Kalita Baruah, ARSH Counsellor and Mrs. Debajani Deka, District Resource Person, Kamrup under ASACS.
- iii. An Interactive session on JAM/GATE, 2025 has been conducted by Department of Chemistry, North Gauhati College in collaboration with IIT Guwahati & IQAC North Gauhati on 24th September, 2024. (Resource Person: Prof. Prakesh Kotecha, IIT Guwahati)

- iv. A two-day workshop on Rare, Endangered, and Threatened (RET) plants was successfully organized, providing an insightful platform for students and researchers by Department of Botany on 05th October, 2024. Recourse Person: Prof. Nilakshi Devi, HoD, Botany, G.U.
- v. Department of Geography in collaboration with Skyline Institute of Geoinformatics, organized a seminar on Geospatial Technologies and its Applications on 05th November, 2024. Recourse Person: Sneha Neog, Skyline Institute of Informatics.
- vi. As part of the academic collaboration under the MoU between Department of Botany and Pragjyotish College, a one-day hands-on training programme on Mushroom Cultivation was successfully conducted on 12th November, 2024. Resource Person: Technical Staff from Baba Mushroom House, Dirgheswari, North Guwahati.
- vii. Women cell, North Gauhati College in collaboration with Ellora Vigyan Manch Organised an awareness meet on “organ Donation and Posthumous Body donation” on 12th November, 2024. Resource Person: Dr. Roonmoni Deka, AIIMS Guwahati.
- viii. A Popular talk was organized on Understanding Data and Data Interpretation was organized by Department of Economics on 22nd January, 2025. Resource Person: Prof. Anish Gupta, Delhi School of Economics
- ix. Eco club, North Gauhati organized a Workshop on Vermicomposting, Solid Waste Management & Rain Water Harvesting under Environment Education Programme on 12nd February, 2025. Resource Person: Dr. Hamen Deka, Gauhati University.
- x. A Health Awareness programme on Nutritional Status and Physical Activity Pattern conducted by AIIMS Guwahati in collaboration with Department of Chemistry, North Gauhati College on 26nd March, 2025. Resource person: Dr. Siva Chowhan, AIIMS Guwahati.
- xi. Orientation Programme on Learning Management System was organized by IQAC, North Gauhati College in collaboration with S.S. Technology on 10th June, 2025. Resource Person: Mr. Nabarun Mishra, S.S. Technologies.
- xii. One-day workshop on Internship programme was organized by Academic Council & Research Council, North Gauhati College in collaboration with Tool room and Training Center, Guwahati, under Ministry of MSME, Government of India on 13th June, 2025. Resource Person: Mr. Sudip Basak, TRTC Guwahati.

23. Research Projects (2024-25):

a. Completed: Nil

b. Ongoing: 02

- i. ICSSR minor research project title “Unfolding the practice of Witch Hunting among the Rabha Community and Effectiveness of Government Intervention in Goalpara District, Assam. Project Director: Dr. Lekha Borah. (Sanctioned amount: 7,50,000.00)

- ii. Minor project funded by ERC under University of Bergen, War effects global fellows network titled “Exploring the practice of Witch hunting within the Rabha and Garo communities and assessing the post - life crises of Witch hunt Victims in Goalpara district, Assam. Project Director: Dr. Lekha Borah (Sanctioned amount: 10,00,000.00)

24. Academic activities:

a. Publication of research papers in peer reviewed/UGC care list journals during 2024-25

1. Dev, B. K., **Saikia, G.**, Bordoloi, O. P., Shalima, P., & Gogoi, R. (2024). Analysis of FUV emission in the vicinity of R136 cluster in 30 Doradus. *Journal of Physics: Conference Series*, 2919, 012013. <https://doi.org/10.1088/1742-6596/2919/1/012013> ISSN 1742-6588 (Print); 1742-6596 (Online)
2. **Hazarika, N. R.**, Barman, B., Rajkhowa, K. K., & Bora, P. (2024). Intersection non-simple graph of an abelian group. *Discrete Mathematics, Algorithms and Applications*, 17(6), 2450093. <https://doi.org/10.1142/S1793830924500939> ISSN 1793-8309 (Print); 1793-8317 (Online)
3. **Konwar, J.**, Borthakur, M. K., & Goswami, J. (2024). Impact of *Muga* silkworm culture in augmenting rural income of Assam, India. *Asian Journal of Agricultural Extension, Economics and Sociology*, 42(9), 133–139. <https://doi.org/10.9734/ajaees/2024/v42i92548>, ISSN 2320-7027
4. Sangma, J. A., **Baroowa, B. P.**, & Choudhury, P. K. (2024). Investigation into the antimicrobial property of methanol-extracted hemolymph proteins of immunized fifth instar larvae of *Eri silkworm Philosamia ricini* (Lepidoptera: Saturniidae). *International Journal of Entomology Research*, 9(8), 190–196. ISSN 2455-4758
5. **Sonowal, R.** (2024). Morbidity pattern in 0–14 years children: A brief study in two villages inhabited by the Rabha tribe in Kamrup district. *Indian Journal of Applied Research*, 14(8), 43–44. ISSN 2249-555X
6. **Baruah, A.** (2024). Decision-making of a new type of stochastic space and its associated operator ideal. *International Journal of Analysis and Applications*, 22, 1–21. <https://doi.org/10.28924/2291-8639-22-2024-221>
7. **Kalita, D.**, & Karmakar, P. K. (2024). A dispersion analysis of dust Coulomb waves in complex astroclouds. *Waves in Random and Complex Media*, 23, 1–34. <https://doi.org/10.1080/17455030.2024.2390654>
8. **Borah, L.** (2025). Demographic trends and socio-economic disparities in Kamrup district: A case study of Rajapat village, North Guwahati, Assam. *International Journal of Advanced Research*, 13(2), 427–431. <https://doi.org/10.21474/IJAR01/20395>
9. Borah, R., & **Sonowal, R.** (2025). Socio-cultural and environmental determinants of health and disease among tribes: Some observations from North East India. *Indian Journal of Applied Research*, 15(3), 72–73. ISSN 2249-555X

10. **Sarma, S., & Sarma, S. K.** (2025). Delving into tackling non-traditional security threats in select Indo-Pacific countries: Cyber security cooperation and shaping the digital future of the region. *The Indian Journal of Political Science*, LXXXVI (2), 433–442. <https://doi.org/xxxxxxx> ISSN 0019-5510
11. **Boruah, A.** (2025). A study on digital dermatoglyphics among indigenous Assamese populations of Assam. *International Journal of Research in Medical Sciences*, 13(8), 3259–3265. <https://dx.doi.org/10.18203/2320-6012.ijrms20252392> ISSN 2320-6012 (Online); 2320-6071 (Print)
12. Das, N., & **Boruah, A.** (2025). Rock-cut images in Dirgheswari Dewalaya, North Guwahati, Assam. *International Journal of Language, Literature and Culture*, 5(4), 43–48. <https://dx.doi.org/10.22161/ijllc.5.4.6> ISSN 2582-9823
13. **Hazarika, P.** (2025). Flood hazard zonation of Noa-Mangaldai River Basin, Assam using GIS and remote sensing. *International Journal of Advanced Research*, 13(4), 968–974. <https://dx.doi.org/10.21474/IJAR01/20800> ISSN 2320-5407
14. **Majumdar, A.** (2025). Impact of self-help group on economic empowerment of women in Assam: An empirical analysis. *Sodh Sarita*, 13(47), 12–18. ISSN 2348-2397
15. **Majumdar, A.** (2025). Globalization and its impact on export from North Eastern states. *International Journal of Business, Economics and Management Research*, 16(4), 33–41. <https://skirec.org/wp-content/uploads/IJBEMR1April25-Ry-1.pdf> ISSN 2229-4848
16. **Majumdar, A.** (2025). Emergency and expansion of informal sector in India in post-1991 period. *CERES*, 40(8), 26–43. <https://doi.org/10.21734/CERES08/15802> ISSN 2347-2723
17. **Majumdar, A.** (2025). Role of micro, medium and small enterprises in post-pandemic India. *International Journal of Research in Economics and Social Sciences*, 15(8), 20–28. <https://euroasiapub.org/wp-content/uploads/IJRESS3Aug25.pdf> ISSN 2249-7382
18. Sangma, J. A., **Baroowa, B. P.**, Gogoi, M., & Choudhury, P. K. (2025, January). Isolation and characterization of AMPs-like peptides from *Philosamia ricini* hemolymph in response to *Escherichia coli* infection. *International Journal of Peptide Research and Therapeutics*, 31(26), 1–13. ISSN 1573-3904
19. Sangma, J. A., **Baroowa, B. P.**, Khakhlari, A., & Choudhury, P. K. (2025, March). A study on molecular phylogeny of *Philosamia ricini* using cytochrome oxidase subunit 1 genes. *Journal of Entomology and Zoology Studies*, 13(3), 200–206. ISSN 2320-7078
20. **Saikia, G.** (2025). The evolution of exoplanet detection techniques using artificial intelligence. *International Journal of Current Research and Techniques (IJCRT)*, 15(1), 50376. <https://doi.org/10.61359/202405004> ISSN 2349-3194 (Online)
21. **Sarma, S., & Sarma, S. K.** (2025). Delving into tackling non-traditional security threats in select Indo-Pacific countries: Cyber security cooperation and shaping the digital future of the region. *The Indian Journal of Political Science*, LXXXVI(2), 433–442. ISSN 0019-5510

22. **Sultana, S. F.** (2025). Assessing family planning knowledge in Kamrup district, Assam. *International Journal of Innovative Science and Research Technology*, 10(5), 2680–2687. <https://doi.org/10.38124/ijisrt/25may1696>. ISSN 2456-2165.

b. Publication of Chapter(s) in Books during 2024-25 (only those considered for API Score).

1. **Baroowa, B. P.** (2024). *A preliminary study on hemolin protein in fifth instar Muga silkworm larvae, *Antheraea assama*, after bacterial exposure*. In: A. R. Borah, N. Baruah, & B. Das (Eds.), *Multidisciplinary approach towards recent development in Basic Sciences* (pp. 1–12). Mahaveer Publication. ISBN 978-93-48070-50-0
2. **Baroowa, B. P.** (2024). *A comparative account on the effect of altitude on the total hemocyte count of mature 5th instar larvae of Muga silkworm *Antheraea assama**. In: J. Pathak & M. K. Borthakur (Eds.), *Life sciences for a sustainable future: Integrating science and society* (pp. 31–37). Global Net Publication. ISBN 978-93-6761-979-7
3. **Saikia, G.** (2024). *Exploring the Magellanic Clouds: A dusty perspective*. In: R. J. Ray & S. S. Sharma (Eds.), *Recent review and research in physics* (pp. 1–14). AkiNik Publications. <https://doi.org/10.22271/ed.book.2988>. ISBN 978-93-6135-621-6
4. **Saikia, G.** (2024). *Exoplanets: A search for life beyond our solar system*. In P. Saikia, D. J. Mahanta, & J. Gogoi (Eds.), *Fundamental frontiers: Expanding core sciences* (pp. 315–324). Unika Prakashan. ISBN 978-93-91883-69-0
5. **Sonowal, R.** (2024). *Religion as an ethnic marker: A study among the Tai-Khamyangs of Assam*. In: C. J. Sonowal & M. Borgohain (Eds.), *Anthropological investigations in contemporary India: A cross-cultural perspective* (pp. 52–83). Orange Books Publication. ISBN 978-93-5621-468-2
6. **Sonowal, R.** & Goswami, A. (2025). *Impact of Climate Change in the Increase and Spread of Climate-Sensitive Vector-Borne Diseases*, In: T. Mattack (Ed.): *Confluence*. Dibrugarh: IQAC, DHSC Commerce College Publication, Dibrugarh. pp. 52-61. ISBN 978-93-95252-69-0
7. **Sonowal, R.** (2024). *Ethnobotanical observations among the Nocte (Naga) tribe of Dehing Kinar Nocte Gaon, Assam*. In: D. K. Roy, S. K. Baglari, R. Borgohain, & K. Das (Eds.), *Frontiers in natural sciences* (pp. 316–321). IQAC, Birjhora Mahavidyalaya. ISBN 978-81-965954-7-0
8. **Kalita, D., & Dutta, S.** (2024). *Plasma as medicine: An overview*. In: P. Saikia, D. J. Mahanta, & J. Gogoi (Eds.), *Fundamental frontiers: Expanding core sciences* (p. 98). Unika Prakashan. ISBN 978-93-91883-69-0
9. **Kalita, J., Pradhan, A. K., Jyoti, S. Y., Kalita, B., Roy, S. J., Kalita, I., Das, M., Teronpi, H., Regon, P., & Tanti, B.** (2024). *Translocation and accumulation of arsenic in rice grains: Role of transporters in tolerance and its incorporation in the food chain*. In *Arsenic in rice* (pp. 119–142). Apple Academic Press. ISBN: 978-1-00340-839-0 (ebk)

10. **Kalita, D.,** & Dutta, S. (2024). *Nuclear fusion: A sustainable way of energy production*. In: P. Hazarika & U. Devi (Eds.), *Eco Revolution: Exploring sustainable solutions* (pp. 62–66). Miestone Publishers & Distributors. ISBN 978-81-940498-9-0
11. **Majumdar, A.** (2025). *Role of Indian knowledge in creating employment in agriculture*. In: A. Foyes (Ed.), *Margin to centre: Towards an inclusive society* (pp. 47-58). Sunbeam. ISBN 978-93-48856-39-5.
12. **Doley, R.,** Doley, S. N., & Devi, N. (2025). *Exploring indigenous knowledge: The Dumurali Karbis of Mainakhurung Village, Garbhanga, Kamrup (Rural), Assam*. In: K. Deka & N. Das (Eds.), *Frontiers on recent developments in plant science* (1st ed., pp. 97–110). Mahaveer Publications. ISBN: 978-93-48070-78-4
13. Borgohain, A., **Saikia, G.,** Shalima, P., & Gogoi, R. (2025). *Mapping the N11 star forming region in the Large Magellanic Cloud*. In: D. Bhattacharjee & V. B. Thapa (Eds.), *Physics frontiers: Bridging theories and experiments* (pp. 3–7). Assam Science Society & Bhawanipur Anchalik College. ISBN 978-81-983738-4-7
14. **Bhattacharjee, I.** (2025). *An overview on the recent technological evolution of citric acid production with special reference to the role of mutation*. In: K. Deka & N. Das (Eds.), *Frontiers on recent developments in plant science* (pp. 111–120). Mahaveer Publications. ISBN 978-93-48070-78-4
15. **Chetia, M.,** Konwar, J., & Konwar, M. (2025). *Prospects of intensive aquaculture in livelihood generation for unemployed youths of Assam*. In: J. Pathak & M. K. Borthakur (Eds.), *Life sciences for a sustainable future: Integrating science and society* (pp. 141–152). Global Net Publication.
16. Borah, R., & **Sonowal, R.** (2025). *Changes in traditional religious landscape among the tribes of India*. In: A. F. M. Malik (Ed.), *Ethnicity, identity and cultural diversity* (pp. 55–61). Guwahati: Sunbeam Publication. ISBN 978-93-48856-67-8
17. Saha, A., **Sultana, S. F. S.,** Saha, P., & Das, M. (2025). *Bolpur: A historical eco-friendly townscape promoting sustainable city*. In: S. Anand, R. Bhattacharya, M. Das, T. K. Das, K. Pushkar, & E. Pradhan (Eds.), *Sustainability in South Asian cities* (pp. 305–330). Springer Nature Singapore. <https://doi.org/10.1007/978-981-97-7455-5>. ISBN 978-981-9774-54-8 (Print)

c. Publication of Books during 2024-25 (only those considered for API Score).

1. Kalita, E., Chetia, M., & Kalita, A. (2025). *Animal physiology and endocrinology*. Published by Kalyani Publishers, ISBN 978-93-6440-693-2

d. Details of Books and Journals published by the College during 2024-25: Nil

e. Details of papers presented by the teachers during 2024-25:

1. Dr. Lekha Borah, Department of Geography, North Gauhati College presented a paper titled “Female financial literacy and inclusion for women Empowerment: A case study of North Gauhati

Area” in the International Seminar on ‘Sustainable Development and Contemporary World: People, Planet and Prosperity’ held on 12th to 13th December, 2024.

2. S. F. S. Sultana, Department of Geography, North Gauhati College presented a paper titled “Can Motherhood be an Intersectionality Identity? Dichotomy in Narrative of Women Empowerment from Assam” in the International Seminar on ‘Sustainable Development and Contemporary World: People, Planet and Prosperity’ held on 12th to 13th December, 2024.
3. Sikha Rani Kakati presented paper entitled “Folk Medicine, Folk Medicine, Folk Treatment in Assam and its Relevance” at the International Seminar on the Impact of Globalization on Traditional Systems organized by the Folklore Society of Assam (FSA) in collaboration with Kalaguru Bishnu Rabha Degree College , Orang held on 22nd to 23rd August 2025.
4. Dr. Ripunjoy Sonowal presented a research paper – Traditional Food Processing Techniques among the Tai-Khamyangs of Assam in the ICSSR sponsored National Conference on Addressing Food Security: Interdisciplinary Insights and Sustainable Approaches, organized by the Department of Zoology in collaboration with the Department of Botany & IQAC, Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya, Behali, Biswanath, Assam, 23rd to 24th November’ 2024.
5. Dr. Ripunjoy Sonowal Presented a research paper – *Indigenous Knowledge and Sustainability: Natural Dyeing Practices of the Tai-Khamyang Tribe of Assam* in the Anusandhan National Research Foundation & CSIR, Govt. of India sponsored 3rd International Conference on Biodiversity: Exploration, Exploitation & Conservation for Sustainable Development(ICB-03), organized by the Department of Botany in association with the Department of Zoology, IQAC & Eco-Club, Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya,Behali, Biswanath, Assam, on 7th to 8th March, 2025.
6. Dr. Lalit Shrestha participated in the ICSSR Sponsored National Seminar on Anthropological on Indigenous Healing Practices in North East India: Conservation and Sustainability, held in the Department of Anthropology, Dibrugarh University on 13th September,2025 and presented a paper entitled “Indigenous *Healing Practices as a source of Livelihood: Some Empirical Observation.*”
7. Dr. Ruby Doley presented paper on “*Exploring the rich floristic diversity of Dirgheswari in Kamrup, Assam, India*” in the International Conference on “Emerging Frontiers in Biological Sciences: Focus on Climate Change, Agro technology and Entrepreneurships (ICEFBS) organized by the Department of Botany, USTM in collaboration with Bodoland University and Botanical Society of Assam held on 15th to 17th May, 2024.
8. Dr. Ruby Doley presented paper on “*Taxonomic studies of Ficus auriculata; Ficus racemosa: Aculinary traditions of the Mising tribe of Assam, India*” in the National Seminar on “Biodiversity for Sustainable Future with special focus on Plant Taxonomy and Annual Conference of east Himalayan Society for Spermatophyte taxonomy(EHSST)” organized by Department of Botany,

Gauhati University on 27th to 28th September, 2024.

9. Dr. Ruby Doley presented paper on “*Ethno medicinal plants used by Mising tribes of Nameri forest fringe villages of Assam and their prospect for discovery of novel therapeutic agents*” in the International Conference on “Indian Knowledge System for achieving Sustainable Development Goals (SDGs)” organized by Centre for Indian Knowledge System, Bongaigaon College (University of Bongaigaon), Bongaigaon on 24th to 25th January, 2025.
10. Dr. Ruby Doley presented paper on “*Solubilisation of Rock Phosphate (P₂O₅) by some isolated bacteria from Tea agroecosystem under in vitro condition*” in the International Conference on “Indian Knowledge System for achieving Sustainable Development Goals (SDGs)” organized by Centre for Indian Knowledge System, Bongaigaon College (University of Bongaigaon), Bongaigaon on 24th to 25th January, 2025.
11. Dr. Jyotimoy Kalita presented paper on “*Aluminium Stress Induced Biochemical Responses in Tolerant and Sensitive Rice Cultivars*” Presented in: 3rd International Conference on Biodiversity: Exploration, Exploitation and Conservation for Sustainable Development during 6th to 7th March 2025 Organized by: PDUAM, Behali, Assam
12. Runa Rahman presented on “*Aluminium Stress Induced Biochemical Responses in Tolerant and Sensitive Rice Cultivars*” during the 3rd International Conference on Biodiversity: Exploration, Exploitation and Conservation for Sustainable Development during 6th to 7th March, 2025 at PDUAM, Behali, Assam, India.
13. Dr. Sourav Kalita presented a paper on “*Stapled Peptides: The New Frontier in Fighting human-Amylin Aggregation*” in International Conference on Innovation and Advances in Chemical Sciences (IACS-2025), organized by Department of Chemistry, Cotton University, Guwahati Assam on 24th to 25th January, 2025. (Oral Presentation)
14. Dr. Sourav Kalita presented a paper on “*Anthranilic Acid-Induced Point Mutation in hIAPP8-37 Boosts Anti-Amyloidogenic Efficacy of human Amylin*” in National Seminar on Science for Sustainable Development (SSD-2025), organized by Department of Chemistry, B. Borooah College (Autonomous), Guwahati Assam on 29th to 30th January, 2025. (Invited Lecture)
15. Dr. Moloshi Chodhary presented Paper “*Adapting to Change: The Evolving Role of English Teachers in the NEP -2020 Era*” at 18th International and 54th Annual Conference of (ELTAI) and jointly hosted by The Assam Royal University, Guwahati, and Sonapur, Assam on 23rd to 26th October 2024
16. Dr. Devastuti Sharma presented paper on “*Mapping Queer Heterotopias : the Quest for selfhood and Belonging in between Queens and the cities*” in the international Seminar on Literature of and from Nepal, Bangladesh and Bhutan : History, Policies and Storytelling organized by Department

of English, Gauhati University in collaboration with center for South East Asian Studies , Gauhati University (CSEAS,GU) and Association for Commonwealth Literature and Language Studies in India (IACLALS) ON 8th to 9th April 2025 .

17. Dr. Purabi Hazarika participated and Presented a Paper entitled “*Assessment of Drinking Water Quality by using Water Quality Index (WQI) Model: A case study of Paschim Nalbari Revenue Circle, Nalbari District, Assam*,” in International Seminar on Sustainable Development and Contemporary World: People, Planet, Prosperity held on 12th and 13th December,2024, organised by Bahona College, Assam
18. Syeda Fahima Shahnaz Sultana presented a paper entitled “*Can Motherhood be an Intersectional Identity? Dichotomy in Narratives of Women Empowerment from Assam*” in the International Seminar on Sustainable Development and Contemporary World: People, Planet, Prosperity” held on 12th to 13th December 2024, organized by the Internal Quality Assurance Cell (IQAC), Bahona College, in collaboration with Bahona College Teacher Unit and North East Institute of Research Consultancy and Publication (NEIRCP), Assam.
19. Dr. Gautam Saikia presented Paper on “Mapping then N11 star forming region in the large Magellanic Cloud ” at National Conference of “Physics Frontiers -2024 ” on 02nd to 04th July 2024 ,Organized by Bhawanipur Anchalik College , Assam .
20. Dr. Gautam Saikia participation as Rosource Person and delivering an Online Talk entitled “*Exploring Alien Worlds: The Next Frontier in Astronomy*”on the occasion of National Space Day 2024 on August 23,2024 , Organized by Nanda Nath Saikia College, & D.C.B College, Jorhat, Assam .
21. Dr. Gautam Saikia presented an invited talk titled “*Exploring the Magallanic Clouds*”: A dusty perspective in the North -East Meet of Astronomers (NEMA) – X held at Tezpur University , Assam during 23th to 25th October , 2024 organized by Department of Physics, Tezpur University & sponsored by IUCAA and Tezpur University .
22. Dr. Sanghamitra Sarma presented Paper titled “*Analyzing The Importance Of Indian Traditional Knowledge In Environmental Sustainability*” presented at the ICSSR International Seminar titled “Viksit Bharat at 2047-Voice of Youth: Transforming India through Empowering Youths” organised by Research and Innovation Cell of IQAC, Jagiroad College held on 28th to 29th November 2024.
23. Dr. Bhavana Prishnee Baroowa presented paper on “*Analysis on the Molecular Phylogeny of Philosomia ricini based on the Cytochrome C oxidase subunit I gene at National Conference on Bioresource Research , Management and Sustainability*” , held on 22nd to 23rd April , 2025 at B. Barooah College (Autonomous). Guwahati, Assam. The conference has been organized by

Department of Zoology, B. Barooah College in association with Assam Science and Technology and Environment Council, Zoological Society of Assam and DBT –NER –Advanced Level Institutional Biotech HUB.

24. Dr. Bhavana Prishnee Baroowa presented paper on “*Study of sexual dimorphism with respect to cellular immune competence in 5th instar larvae of Muga Silkworm Antheraea assama* ” at International Conference on Recent Trends in Natural and Applied Sciences on 21st to 22nd March 2025, Organised by Guwahati College Teachers’ Unit.
25. Dr. Mitali Chetia presented paper entitled on “*Potential of ornamental fisheries for enhancing livelihoods in Assam, India*” organized by Guwahati College Teacher’s Unit from 21-22 March, 2025.
26. Dr. Mitali Chetia presented paper entitled “*Role of sustainable aquaculture in enhancing fishery sustainability and ecosystem conservation*” Organized by Department of Zoology, B. Barooah College from 22-23 April, 2025.
27. Juri Konwar presented paper entitled,” *Potential of Ornamental Fisheries for Enhancing Livelihoods in Assam, India*” organized by Guwahati College Teacher’s Unit from 21st to 22nd March, 2025.
28. Juri Konwar presented paper entitled “*Role of Sustainable Aquaculture in Enhancing Fishery Sustainability and Ecosystem Conservation*” Organized by Department of Zoology, B. Barooah College from 22nd to 23rd April, 2025.

f. Refresher Course/Orientation Course/Short Term Course/Faculty Development Programme/Faculty Induction Programme attended by the teachers during the 2023-25

1. Dr. Lekha Borah, Department of Geography, North Gauhati College participated in a RUSA Assam sponsored Faculty Development Programme on Climate Crossroads: Challenges and Prospects in Changing Ecology under the “Mentoring cutting-edge Research” Scheme of Gauhati University held during 23rd to 29th June 2025.
2. Dr. Lekha Borah, Department of Geography, North Gauhati College completed 8 credit short term course on Gender Sensitization: Society; Culture and change held on 8th December, 2024.
3. Dr. Lekha Borah, Department of Geography, North Gauhati College participated in the Faculty Development Programme on NEP 2020 Orientation & Sensitization Programme under MMTTC Organised by Gauhati University from 5th to 14th February, 2025.
4. Dr. Lekha Borah, Department of Geography, North Gauhati College attended 2 week Capacity Building Programme on "Applications of geospatial and statistical tools and techniques in Social Sciences" organised by Department of Geography, Gauhati College on 19th -30th August, 2024.

5. Mr. Bulen Kakati, Department of Geography, North Gauhati College participated in the Faculty Development Programme on NEP 2020 Orientation & Sensitization Programme under MMTTC Organised by Gauhati University from 5th to 14th February, 2025.
6. S. F. S. Sultana, Department of Geography, North Gauhati College participated in the Faculty Development Programme on NEP 2020 Orientation & Sensitization Programme under MMTTC Organised by Gauhati University from 5th to 14th February, 2025.
7. S. F. S. Sultana, Department of Geography, North Gauhati College participated in the Short Term Course on NEP Orientation & Sensitization Programme under MMTTC Organised by Tezpur University from 2nd to 11th July, 2024.
8. Sikha Rani Kakati attended 2 weeks NEP 2020 orientation and sensitization programme under Malaviya Mission Teacher Training Programme (MMTTP) of UGC organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
9. Dr. Ripunjoy Sonowal completed the 2-Days Workshop on Rare, Endangered & Threatened Plants on 05th to 19th October' 2024), organized by the Department of Botany, North Gauhati College, supported by Assam Science Technology & Environment Council (ASTEC), Govt. of Assam & Climate Change Department, Govt. of Assam.
10. Dr. Ripunjoy Sonowal completed the 10-Days NEP 2020 Orientation & Sensitization Programme from 5th-14th February, 2025 under Malaviya Mission Teacher Training Programme (MMTTP) of UGC Organized by MMTTC, Gauhati University.
11. Dr. Ripunjoy Sonowal completed the 1-Day Workshop on Vermicomposting, Solid Waste Management& Rain Water Harvesting (12 February' 2025), organized by Eco-Club, North Gauhati College, supported by ASTEC, Govt. of Assam under the scheme Environment Education Programme (EEP), Ministry of Environment, Forest & Climate Change, Govt. of India.
12. Dr. Ruby Doley participated 2 Weeks Online Refresher Course in "Life Sciences" organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Malaviya Mission Teacher Training Programme, from 28th February to 13th March, 2024.
13. Dr. Ruby Doley participated in the 1 Week National level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, organized by the Internal Quality Assurance Cell (IQAC) of Gauhati University, Assam in association with IPSR Solutions Limited, from 17th to 24th April 2024.
14. Dr. Ruby Doley participated in the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
15. Dr. Ruby Doley participated in the 1 Week Faculty Development Program on "Integrative approach

to Plant Taxonomy-Hands on Training from Field work to Modern Trends in Taxonomy”, organised by Programme of Botany, Faculty of Science, Assam Down Town University, from 26th to 31st May 2025.

16. Dr. Ruby Doley participated in the faculty Training Workshop on Indian Knowledge System (IKS) organized by Siddhanta Knowledge Foundation, a recognized IKS Shikshak Prashikshan Kendra of the IKS Division of the Ministry of Education, held on 9th April, 2025.
17. Dr. Jyotimoy Kalita participated Refresher Course: Advance Science & Technology for a Sustainable Future (Multidisciplinary) from 18th to 31st July, 2025 Organized by MMTTC, Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh
18. Dr. Jyotimoy Kalita attended 10 days NEP 2020 Orientation and Sensitization Programme under MMTTP of University Grants Commission organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
19. Runa Rahman attended 10 days NEP 2020 Orientation and Sensitization Programme under MMTTP of University Grants Commission organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
20. Dr. Himadri Borah attended 10 days NEP 2020 Orientation and Sensitization Programme under MMTTC of University Grants Commission organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
21. Dr. Sourav Kalita attended 10 days NEP 2020 Orientation and Sensitization Programme under MMTTP of University Grants Commission organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
22. Dr. Runumi Devi attended 2 weeks NEP 2020 orientation and sensitization programme under Malaviya Mission Teacher Training Programme (MMTTP) of UGC organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
23. Mrs. Nilakshi Borah attended 2 weeks NEP 2020 orientation and sensitization programme under Malaviya Mission Teacher Training Programme (MMTTP) of UGC organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
24. Dr. Purabi Hazarika FDP participated and successfully completed the Malaviya Mission Teacher Training Programme on NEP 2020 orientation and sensitization on “incorporation of Indian Knowledge system in Higher Education” Organised by Assam University, Silchar during 13th -22nd December, 2024
25. Dr. Purabi Hazarika completed NEP 2020 Orientation and Sensitization Programme under MMTTP of University Grant Commission (UGC) organised by MMTTC, Gauhati University from 5th to 14th

February, 2025.

26. Dr. Purabi Hazarika completed online Completed “Refresher Course on Social Sciences (online) organized by UGC-MMTTC Punjabi University, from 8th to 23rd July, 2025
27. Syeda Fahima Shahnaz Sultana attended a Short-Term Course on NEP Orientation program; Sensitization under Malaviya Mission Teacher Training Programme (MMTTP) of the University Grants Commission (UGC) organized by MMTTC, Tezpur University from 2nd to 11th July, 2024.
28. Syeda Fahima Shahnaz Sultana completed the NEP 2020 Orientation program; Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
29. Nepur Ranjan Hazarika attended Orientation Programme, 6th “Guru Dakshata” Faculty Induction Programme, UGC MMTTC, LNIPE, Gwalior (MP) from 12th June to 9th July, 2025.
30. Dr. Dhruba Jit Kalita attended Two week “Online refresher course in Physics” 25th September, to 5th October, 2024 at Malaviya mission Teaching Learning Centre, Sambalpur University
31. Dr. Dhruba Jit Kalita participated in the NEP 2020 Orientation program; Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by MMTTC, Gauhati University from 5th to 14th February, 2025.
32. Dr. Swati Nawami Aideo completed NEP2020 Orientation program; Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by MMTTC, Gauhati University.
33. Dr. Swati Nawami Aideo participated in National Workshop on Quantum Physics (Alice in Quantum land) held from 9th to 14th April 2024 in online mode Organized by Kanya Maha Vidyalaya , Jalandhar in association with Indian Association Physics Teachers (IAPT) Regional Council – RC02
34. Dr. Sanghamitra Sarma completed an FDP titled “Eight-Day Online Training on NEP Orientation & Sensitization Programme” organised by UGC-MMTTC, Gauhati University held from 5th to 14th February, 2025.
35. Dr. Mitali Chetia attended one week FDP on “Modern PCR techniques: applications and innovations in Biology” from 19th -23rd November, 2024 organized by Handique Girl’s College, Guwahati in collaboration with bio akademy, The training institute of AGT Biosciences (OPC) Private limited, Guwahati.
36. Dr. Mitali Chetia Attended 2 weeks NEP 2020 orientation and sensitization programme under Malaviya Mission Teacher Training Programme (MMTTP) of UGC organized by MMTTC, Gauhati University from 5th to 14th February, 2025.

37. Juri Konwar attended 2 weeks NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of UGC organized by MMTTC, Gauhati University from 5th to 14th February, 2025.

25. Awards/Fellowship received by the teachers (2024-25)

1. Dr. Himadri Borah, Assistant Professor, Department of Chemistry, North Gauhati College, receives appreciation on 63rd Teacher's Day Celebration from DHE, Govt. of Assam for securing a Patent on 5th September, 2024.

26. Patents (2024-25): Nil

27. Teachers Visited abroad during 2024-25: Nil

28. Hostel Facilities

No. of Boys Hostel: Nil

Total Seats: N/A

No. of Girls Hostel: 02

Total Seats: 47

29. Others:

Sports facilities	Yes
Auditorium/Seminar/Conference Room	Yes
Specialized laboratory/Studio facility	Yes
Augmentation of infrastructural facilities during the period 2024-25	College Canteen, New G+4 building augmented, Mushroom Cultivation
Technology up-gradation during the period 2024- 25	Online admission process
Financial aid to students during the period 2024- 25	From Govt. of Assam
Activities of the student counseling and guidance cell during the period (in brief)	1. Counselling through different institutes for career opportunities during and after graduation. 2. Carried out Internship program in different institutions.
Placement of students (in brief)	Placement received in different institutions and Departments.
Activities of Alumni Association during 2024- 25	Nil
Community outreach programme during the period 2024- 25	Different Cleanliness drive in adopted villages by NSS, North Gauhati College
Any other relevant information	Nil

Principal
North Gauhati College