

BIODATA

A. PERSONAL INFORMATION:

1. Name : **DR. MOYTRI SARMAH**

2. Father's Name : Mr. Pradip Sarmah

3. Mother's Name : Mrs. Gitimoni Sarmah

4. Date of Birth : 30-06-1986

5. Department and Institution : Department of Mathematics,
Girijananda Chowdhury University, Assam

6. Current Designation : Associate Professor

7. Date of joining : 02-08-2011

8. Nationality : Indian

9. Address for correspondence : Dept. of Mathematics, Girijananda Chowdhury University,
Azara, Guwahati-781017, Assam

10. Phone No. : +91 – 9864377265/9678703293

11. E-mail : moytri_math@gcuniversity.ac.in

B. ACADEMIC QUALIFICATIONS:

(i) Academic qualification:

Examinations	Name of the Board/ University	Year of Passing	Division/ Class/Grade	Subject
High School/Matric (H.S.L.C)	Board of Secondary Education, Assam	2002	1st	
Intermediate (H.S.S.L.C)	Assam Higher Secondary Education Council (appeared from Darrang College)	2004	1st	Science Stream
B.Sc.	Gauhati University	2008	2 nd	Mathematics (Hons.)
M.Sc.	Gauhati University	2010	A	Mathematics

(ii) Research Degree:

Degree	Title	Date of award	University
Ph.D.	A study on some structures of Graphs associated with Rings	07 – 06 – 2018	Gauhati University

(iii) Awards and prizes (Outstanding Academic Achievements):

(1) Amala Bezbaruah Memorial Award 2009

(iv) Period of teaching experience: U.G. & P.G. Classes (in years): 14 Years

C. RESEARCH PUBLICATIONS AND ACADEMIC CONTRIBUTIONS:

(i) Published Papers in Journals:

1. **Moytri Sarmah** and Kuntala Patra, *Line Graph associated to Total graph of Idealization*, Afrika Matematika (2016) 27:485 - 490.
2. **Moytri Sarmah** and Kuntala Patra, *Subset Graph of a Near Ring*, International Journal of Mathematical Archieve – 8(3),2017,110 – 113.
3. **Moytri Sarmah**, *Line Graph associated to Vonnn Neumann Graph of a Ring*, Journal of Assam Academy of Mathematics. Vol.9 (2019), 126 – 131.
4. **Moytri Sarmah** and Kuntala Patra, *Line Graph associated to Graph of a Near ring with respect to an Ideal*, Tamkang Journal of Mathematics. Vol. 52, Number 3, 341 – 347. September 2021.
5. Jituparna Goswami and **Moytri Sarmah**, *On domination in the Total Torsion Element Graph of a Module*, Proyecciones Journal of Mathematics. Vol. 42(3):795 – 814. June 2023.
6. **Moytri Sarmah** and Kuntala Patra, *Total Near Ring Graph*, Journal of Algebraic Systems, Vol 14, Issue 1, January 2026: 45 – 53.

(ii) Research Guidance:

S.No.	Ongoing	Degree Awarded
Ph.D.	3	Nil

(iii) Papers presented in Conferences, Seminars, Workshops, Symposium:

SI No.	Title of the Paper presented	Title of Conference / Seminar etc. with date	Organized by	International / National
1	Line graph associated to zero divisor graph of Idealization	78 th Annual Conference of the Indian Mathematical Society, 2013	Dept. of Mathematics and DST Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi. India	National
2	Some aspects of line graph associated to	International Conference on Frontiers in Mathematics 2015	Dept. of Mathematics, Gauhati University,	International

	graph of Idealization		Guwahati. India	
3	Subset Graph of Near-ring	National Conference on Mathematics and its applications – 2016	Dept. of Mathematics, Cotton College State University & Dept. of Mathematics, Cotton College, Guwahati. India	National
4	Line graph associated to unit graph of a ring	National Conference on Advances in Mathematical sciences, 2016	Dept. of Mathematics, Gauhati University, Guwahati. India	National
5	The total Near Ring Graph	National Seminar on Advances in Mathematical Sciences, 2018	Dept. of Mathematics, Gauhati University, Guwahati. India	National
6	Total Near Ring Graph	International Conference on Nonlinear Analysis and Applications, 2022	Assam Don Bosco University, Sonapur. Assam, India	International
7	Unit Near Ring Graph	National Conference on Advances in Mathematical Sciences, 2024	Dept. of Mathematics, Gauhati University, Guwahati. India	National

(iv) Invited Lectures and Chairmanships at National or International Conference/Seminar etc.:

S.No.	Title of Lecture/Academic Session	Title of Conference/ Seminar etc.	Organised by
1.	Chairperson of one Session	2nd International Conference on Data Driven AI (ICDDA – 25)	The Assam Kaziranga University, Assam

(v) Participation in Conference, Workshops, Symposium, FDP etc.:

1. National Conference on Frontiers in Mathematics organized by Department of Mathematics, Gauhati University. 29 September - 30 September, 2011. Guwahati.
2. Staff Development Program on Operation Research with Application to Computer Science organized by Department of Computer Application, GIMT-GUWAHATI. 7 May - 19 May, 2012. Guwahati.
3. One Day Symposium at Department of Mathematical Science, Gauhati University. 22 September, 2012. Guwahati.
4. Technical Session on Mathematical Science organized by Assam Academy of Mathematics and Department of Mathematics, Gauhati University. 22 December, 2012. Guwahati.

5. National Conference on Mathematics Commemorating Birth Anniversary of Srinivasa Ramanujan organized by Dept. of Mathematics, GIMT - Guwahati. 22 December, 2013.
6. Faculty Development program on Meeting Global Challenges in Higher Technical Education organized by GIMT Guwahati. 28 July - 1 August, 2015.
7. Teacher's Enrichment Course in Undergraduate Mathematics Curriculum organized by CET and Department of Mathematics, Indian Institute of Technology Guwahati. 7 - 12 January, 2019. Guwahati.
8. Webinar on "Art of Learning Mathematics" Royal School of Applied and Pure Science, Royal Global university. June 8, 2020.
9. Online workshop on "Scientometrics and Bibliometrics Analysis Using Open-Source Software's" Organized by Society for Advancement of Librarianship (SAL) in association with Assam Library Association (ALA), June 06, 2020.
10. Webinar on "Basics of Graph Theory and Number Theory" held on 30 June 2020 organised by Guwahati College.
11. Webinar on "The Congruent Number Problem and Elliptic Curves", IQAC Lakhimpur Girls' College and Gonit Sora, 12 July 2020.
12. Webinar on Mathematics Education organized by Centre for Mathematical Education and Management, Department of Mathematics, Faculty of science, Assam down town University, Ghy-26, 10 July, 2020.
13. Emotional well-being: the need of the hour" held on 25th july, 2020 organized jointly by Assam Science and Technology University & Girijananda Chowdhury Institute of Management and Technology- Tezpur.
14. International Faculty Development Program on "PROMINENCE OF MATHEMATICS IN DIVERSE SECTORS" organized by Science and Humanities of Hindusthan College of Engineering and Technology from 15.07.2020 to 20.07.2020.
15. STTP on Numerical Linear Algebra & Optimization Techniques in Engineering, NIT Meghalaya, India, 15-19 March 2022
16. 4th National Web Series on NEP-2020 East Edition, AICTE, 24 March 2022
17. UGC NE and Eastern Zone Vice Chancellor's Conference on Implementation of NEP 2020, 28 June 2024

(vi) Members of Academic bodies: Life member of the

- (1) Indian Mathematical Society
- (2) Assam Academy of Mathematics

D. Administrative Contribution

1. Coordinator of Smart India Hackathon 2017, 2018, 2019.
2. Acted as one of the members in Judge's panel in North East Science Exhibition 2023 organized by CBSE from 19 – 20 December, 2022.
3. Acted as Coordinator of ECO Club, GIMT Guwahati.
4. Coordinator of All Assam Principals' Summit and Inauguration of AICTE IDEA Lab organized by Girijananda Chowdhury Institute of Management and Technology, Guwahati, 2022
5. Member of Admission cell of GCU Assam.
6. Member of Board of Studies, School of Natural Sciences, GCU Assam.
7. Mentor of Bureau of Indian Standards (BIS) Standard Club, GIMT Guwahati till date.
8. Actively took part in new curriculum design of FYUGP of GCU Assam under NEP 2020. (Received Certificate of Appreciation from Hon'ble Vice Chancellor, GCU Assam)
9. Joint Convener, UGC NEP Cell of Girijananda Chowdhury University
10. Coordinator of Cultural Club GCU for the AY 2023 – 24.
11. Convenor of Freshmen Social 2023, Girijananda Chowdhury University.
12. Represented GCU Assam in the 37th Inter University North East Zonal Youth Festival 2023 - 24 from 6 – 10 February, 2024 as a Team Manager.
13. Coordinator of EthnoFest 2024: Ethnic food and Culture Festival (With Havells India Pvt. Ltd. as title sponsor)
14. Coordinator of the committee for forming Academic Regulations of GCU Assam.
15. Member of the Program Committee for the program “One year Master of Science in Data Science”, GCU.
16. Acted as Dean Student Affairs, GCU from 08.08.2024 to 30.11.2025. [Detail link](#)

Declaration

I hereby declare that all the above information is correct to the best of my knowledge.

Moytri Sarmah

(Dr. Moytri Sarmah)

Associate Professor, Dept. of Mathematics
Girijananda Chowdhury University Assam
Guwahati-17, Assam