Bio-Data
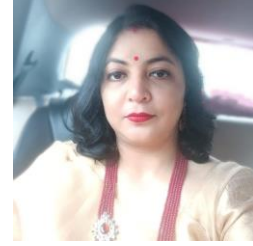

Name   **: DR. MOYTRI SARMAH**

Personal Details:

Date of Birth   **:** 30/06/1986,   **Category:** General

Nationality   : Indian   **Gender**   : Female

Marital Status : Married

Permanent Address: C/O: Sri Pradip Sarmah, Sarupathar Town.

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Contact No.   **: (+91) 9678703293, 9864377265**

Email   : moytrisarmah@gmail.com, moytri_maths@gcuniversity.ac.in.

Designation   **:** Assistant Professor, Department of Mathematics,

                 Girijananda Chowdhury University Assam.

Qualification : M.Sc. **(**Gauhati University**)**, Ph.D. **(**Gauhati University**)**.

Specialization : Algebra, Graph Theory.

Research Area: Algebra and Algebraic Graph Theory.

EDUCATIONAL QUALIFICATION:

COURSE	BOARD/UNIVERSITY	COLLEGE/INSTITUTION	YEAR OF PASSING
HSLC	SEBA	Sarupathar Girls' High School	2002
HS(Science)	AHSEC	Darrang College	2004
B.Sc. (Maths)	Gauhati University	Darrang College	2008
M.Sc. (Maths)	Gauhati University	Gauhati University	2010
Ph.D.	Gauhati University		2018

- Awarded **Doctor of Philosophy (Ph.D.)** by **Gauhati University** in **June 2018** for the thesis entitled "**A Study on Some Structures of Graphs Associated to Rings**" under the supervision of **Prof. Kuntala Patra**, Dept. of Mathematics, Gauhati University.

- **Academic Position:**

  Assistant Professor (Stage II, Grade Pay: Rs. 7000/- w.e.f. 01/08/2016) Dept. of Mathematics, Girijananda Chowdhury Institute of Management and Technology Guwahati (Now GCU Assam) from 2 August 2011 till date.

- **Teaching and Research Experience**:

  Teaching Experience: 12 Years,   Research Experience: 13 Years

- Ph.D. guideship awarded under Girijananda Chowdhury University Assam in the Department of Mathematics w.e.f. 2023.

Research Publications:

1. **Moytri Sarmah** and Kuntala Patra, *Line Graph associated to Total graph of Idealization*, Afrika Matematika (2016) 27:485 - 490. [**SCOPUS and WEB of Science Indexed**]

2. **Moytri Sarmah** and Kuntala Patra, *Subset Graph of a Near Ring,* International Journal of Mathematical Archieve – 8(3),2017,110 – 113. (**UGC Listed**)

3. **Moytri Sarmah,** *Line Graph associated to Vonn 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. [**SCOPUS and WEB of Science Indexed**]

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. [**SCOPUS Indexed**]

6. **Moytri Sarmah** and Kuntala Patra, *Total Near Ring Graph,* Accepted for publication. Journal of Algebraic Systems. [**SCOPUS Indexed**]

- **Details of Paper presented in National/ International Seminar/ Conference:**

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	78th 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 graph of Idealization	International Conference on Frontiers in Mathematics 2015	Dept. of Mathematics, Gauhati University, Guwahati. India	International

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

Details of conferences / seminars / workshops /Symposiums etc. attended:

- National Conference on Frontiers in Mathematics organized by Department of Mathematics, Gauhati University. 29 September - 30 September, 2011. Guwahati.

- Staff Development Programme on Operation Research with Application to Computer Science organized by Department of Computer Application, GIMT-GUWAHATI. 7 May - 19 May, 2012. Guwahati.

- One Day Symposium at Department of Mathematical Science, Gauhati University. 22 September, 2012. Guwahati.

- Technical Session on Mathematical Science organized by Assam Academy of Mathematics and Department of Mathematics, Gauhati University. 22 December, 2012. Guwahati.

- National Conference on Mathematics Commemorating Birth Anniversary of Srinivasa Ramanujan organized by Dept. of Mathematics, GIMT - Guwahati. 22 December, 2013.

- Faculty Development programme on Meeting Global Challenges in Higher Technical Education organized by GIMT Guwahati. 28 July - 1 August, 2015.

- 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.

- Webinar on "Art of Learning Mathematics" Royal School of Applied and Pure Science, Royal Global university. June 8, 2020.

- 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.

- Webinar on "Basics of Graph Theory and Number Theory" held on 30 June 2020 organised by Guwahati College.

- Webinar on "The Congruent Number Problem and Elliptic Curves", IQAC Lakhimpur Girls' College and Gonit Sora, 12 July 2020.

- International Faculty Development Programme 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.

- 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.

- 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.

- STTP on Numerical Linear Algebra & Optimization Techniques in Engineering, NIT Meghalaya, India, 15-19 March 2022

- 4th National Web Series on NEP-2020 East Edition, AICTE, 24 March 2022

Other Achievements:

- Resource Person in Excursion in Mathematics Programme Sponsored by National Board of Higher Mathematics and organized by the Assam Academy of Mathematics from 1 July to 6 July, 2011.

- Coordinator of Smart India Hackathon 2017, 2018, 2019

- Acted as one of the members in Judge's panel in North East Science Exhibition 2023 organized by CBSE from 19 – 20 December, 2022.

- Acted as Coordinator of ECO Club, GIMT Guwahati.

- Member of Admission cell of GCU Assam.

- Coordinator of Cultural Club GCU.

- Member of Board of Studies, School of Natural Sciences, GCU Assam.

- Mentor of BIS Standard Club, GIMT Guwahati.

- 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)

- Represented GCU Assam in the 37th Inter University North East Zonal Competition from 6 – 10 February, 2024 as a Team Manager.

Membership of Professional Bodies:

- Life member of the **Indian Mathematical Society**.
- Life Member of **Assam Academy of Mathematics.**

Declaration

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

Yours faithfully

Moytri Sarmah

Dr. Moytri Sarmah,

Assistant Professor, Dept. of Mathematics,

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Guwahati-17, Assam