

# Faculty Profile

## Santipur College

### Department of Mathematics

### General Information



Name	Dr. Ritapa Chakraborty
Designation	Assistant Professor
Date of joining	01.10.2024
Address	Sodepur, Kolkata 700110
Contact E-mail	<a href="mailto:ritapa.chakraborty@gmail.com">ritapa.chakraborty@gmail.com</a>
Academic Qualification	M.Sc, Ph.D

### Research And Publication

Area of Specialization		Interval graphs and Circular arc graphs	
Research interest		Graph theory and Abstract algebra	
Paper Publication			
Sl. No.	Date	Title	Publisher / Other Infomation
1	2017	Forbidden subgraphs of bigraphs of Ferrers dimension 2	Springer International Publishing Vol.10398(38-49) ISSN:0302-9743 Authors: Asok Kumar Das,Ritapa Chakraborty
2	2017	Graphs and digraphs represented by intervals and circular arcs	Discrete applied Mathematics Vol. 228(41 - 49) ISSN:0166-218X Authors; Asok Kumar Das,Ritapa Chakraborty
3	2015	New Characterizations of Proper interval bigraphs and Proper circular arc bigraphs	Springer Vol.8959(117 - 125) ISSN:0302-9743 Authors: Asok Kumar Das, Ritapa Chakraborty

4	2015	New Characterizations of Proper interval bigraphs	AKCE International Journal of Graphs and Combinatorics Vol.12(47-53) ISSN:0972-8600 Authors: Asok Kumar Das, Ritapa Chakraborty
5	2013	Asteroidal triple of edges in bichordal graphs: A complete list	Department of Pure Mathematics, University of Calcutta Vol.29&30 (1-13) ISSN:2277-355X Authors: Asok Kumar Das, Ritapa Chakraborty, Malay Kumar Sen

**Books/ Reports/Chapters/General articles etc.**

Sl. No.	Date	Title	Publisher / Other information
1	2025	Some important characterizations of proper interval bigraphs	Red'shine Publication Name of the Book: Recent Trends in Mathematics & Its Applications. Edition: August, 2025. Page number :258 – 268 ISBN:978-93-5879-746-6

**Talks/ Paper or Poster Presentations/ Chairing Sessions/ Seminar/ Webinar/ Workshop/ RC/ OP/ Short term Course/ Any Other attended**

Sl. No.	Date	Title	Place/ Organizer/ Other Information
1	30.08.2025	Re- Reading Indian Classical Literature in Present Context: Challenging and Negotiating the Canon	Department of English and Department of Sanskrit, Kandi Raj College and Berhampore Girls' College
2	27.6.2025	Empowering Education: Practical and Impactful Application of AI Tools for students	Department of Computer Application Santipur College
3	26.6.2025	Relevance of Environmental Ethics in the Recent Era	Department of Philosophy, Santipur College Webinar
4	21.6.2025	Emerging Issues in Commerce and Economics	Webinar Department of Commerce and Department of Economics, Santipur College
5	21.6.2025	Recent Trends in Biological Sciences	Webinar Department of Botany, Santipur College
6	20.6.2025	Chemistry: From a	Webinar

		glorious past to a promising present	Department of Chemistry, Santipur College
7	20.6.2025	বিশ্বকোষের বিপন্নতা ও জীবনানন্দ	Webinar Department of Bengali, Santipur College
8	04.04.2025 - 05.04.2025	RTMA-2025	Paper presented in Seminar Department of Mathematics, Bidhan Chandra College, Asansol, W.B
9	05.02.2025 - 07.02.2025	ICPMA-2025	Department of pure Mathematics University of Calcutta
10	28.12.2012	Mathematics and Mathematical Sciences.	Seminar Department of Applied Mathematics and Department of pure Mathematics, University of Calcutta

## Institutional Responsibilities

Portion of syllabus allotted		
Semester	Major/ Minor/ SEC/ MDC/ Other	Topic allotted
Semester 1	Major	Calculus
	Minor	Algebra
	MDC	Basic Mathematics
Semester 2	Major	Algebra-I
	Minor	Algebra
	MDC	Basic Mathematics
Semester 3	Major	Real Analysis-I
	Minor	Differential Equations
	MDC	Basic Mathematics
Semester 4	Major	Differential equations Algebra-II
	Minor	Differential Equations
Semester 5	Major	Riemann Integration
	Minor	LPP
Semester 6	Major	Mechanics-I
	Major	Vector and Tensor Analysis

Institutional Committees		
Sl. No.	Name of Committee	Member / Convener
1		