

Faculty Data

Dr. Kajal Mittal

Designation: Assistant Professor

Employee ID:

Qualification: Ph.D

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About Faculty

Dr. Kajal Mittal is an Assistant Professor in the Department of Applied Mathematics and Computational Science at SGSITS Indore (M.P.). She has done B.Sc. from Government P.G. college, Dhar in 2015, M.Sc. in Mathematics from P.G. college, Dhar in 2017 and Ph.D in Mathematics from Medi-caps University, Indore in 2024. She has 6 years of teaching experience. Her present area of research Line Graph, Graph Theory.

1. Educational Qualification

S. No.	Degree	Specialization	Year	University/Board
1	Ph.D	Line graph, Graph Theory	2024	Medi-caps University, Indore
2	M.Sc.	Pure Mathematics	2017	DAVV, Indore

2. Work Experience

S. No.	Designation	Department	Employer Name	Duration of Employment
1	Teacher	Mathematics	Govt.H.S.School, Barmandal	6 years (2019-24)

3. Research Details

Area of Research: Line Graph, Graph Theory

4. Publication

S.No.	Details
1	Pranjali kekre, Kajal Mittal, "Bounds and Algorithm for the Domination Number of Line Graph Using the Signless Laplacian Matrix", Indian J. Nat. Sci., Vol 13, Issue 75, Dec (2022), ISSN: 0976-0997 (Web of Science UGC Care List Group II).
2	Pranjali Kekre, Kajal Mittal, "Signless Laplacian Spectrum of Line Graph", Journal of Calcutta Mathematical Society, Vol 19, Issue 1, 15–28 (2023), ISSN: 2231-5314 (UGC Care List Group I).
3	Kajal Mittal, Pranjali Kekre, "Formulae for Iterative Sequence of Line Graph", Indian J. Nat. Sci., Vol 14, Issue 82, Feb (2024), ISSN:0976-0997 (Web of Science UGC Care List Group II).
4	Kajal Mittal, Pranjali Kekre, "Chromatic Bounds of A Line Graph Using Signless Laplacian Values", Advanced and Application in Discrete Mathematics, Vol. 42, No. 1, (2025), pages 55-68, ISSN- 0974-1658.

List of Conferences/Workshops/Seminars Attended

1. International workshop on “how to write Literature Review in Research Papers” Jointly organized by World Virtual Conference Forum Associate with- International Research Federation, Sponsored by- World federation of Science and Technology, Edu Academic, 31st May 2020.
2. Attended the webinar on “Research and Publication Ethics” held on January 16,2021 organized by Department of Electronics Engineering.
3. International conference on “Emergent Technique and Functional Materials” Organized by Faculty of science, Medi-Caps University, Indore, presented oral and the title of the paper: “Bounds and Algorithm for the Domination Number of Line Graph Using the Signless Laplacian Matrix”, 12th -14th July 2022.
4. M.P. Council of Science and Technology, Vigyan Bhawan, Nehru Nagar, Bhopal-462003, Hosted by Samrat Ashok Technological Institute, attended 38th M.P. Young Scientist Congress , March 17-19, 2023.