

FACULTY PROFILE

Name	: Arathy K. D.
Department	: Mathematics
Email	: arathymanesh@gmail.com
Educational qualifications	: M.Sc. Mathematics, B.Ed., JRF-NET
Date of Joining into continuous Service	: 22-10-2012
Teaching Experience	: 13 Years
Details of Service	:
<u>Period</u>	<u>College</u>
22-10-2012 to 09-06-2022	M P M M S N Trusts College, Shoranur
10-06-2022 to till date	Sree Narayana College, Nattika
Area of Interest	: Algebra, Graph Theory
Subjects Handled	: Abstract Algebra, Linear Algebra, Graph Theory, Calculus, Number Theory, Complex Analysis, Vector Calculus, Operations Research, Functional Analysis
Field of Research	: Graph Theory

Details of Academic Involvement/Performances from 10-06-2022 onwards

➤ **Paper Presentations**

1. Presented a paper entitled “Distance spectra of neighbourhood corona of graphs” in the International Conference on Graph Theory and its Applications (ICGTA 2023) organized by the Department of Mathematics, CHRIST (Deemed to be University), Bangalore from 30 November to 02 December 2023.
2. Presented a paper entitled “On Reciprocal distance spectrum of neighbourhood corona of graphs” in the International Conference on Emerging Frontiers in Nonlinear Complex Systems, Computational Intelligence and their Applications (ICNCS 2024) organized by Vellore Institute of Technology, Chennai held between 07th and 09th February 2024.
3. Presented a paper entitled “On distance spectra of edge corona of graphs” in the 2nd International Conference on Evolution in Pure and Applied Mathematics (ICEPAM 2024) organized by the Department of Mathematics Akal University, Talwandi Sabo, Bathinda, Punjab during November 20 - 22, 2024.

➤ **Papers Published**

1. Arathy K. D. and Pravas K., *Reciprocal distance spectrum of Indu-Bala product of graphs*, Creat. Math. Inform., ISSN 1584 – 286X, Volume 34, No.2, (2025), Pages 175-188.

➤ **Courses Attended**

1. Online Two-week interdisciplinary refresher course in Advanced Research Methodology organized by TLC, Ramanujan College, New Delhi from 22-09-2022 to 06-10-2022.
2. Short Term Course on Exploring AI : Multidisciplinary Perspectives and Applications organized by UGC MMTTC, University of Calicut in online mode from 07-08-2024 to 13-08-2024.
3. Short Term Programme on Yoga, Meditation and Stress Management organized by UGC MMTTC, University of Calicut in online mode from 24-09-2024 to 30-09-2024
4. NEP 2020 Orientation & Sensitization Programme (MMC-049-2025-APR-B-03289) under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organised by UGC - Malaviya Mission Teacher Training Centre (MMTTC), University of Calicut from 21-04-2025 to 30-04-2025.

➤ **Academic Responsibilities Undertaken**

1. Class Tutor
2. Additional and chief examiner for university valuation.
3. External examiner for B.Sc. and M.Sc. Viva Voce and project evaluation
4. Remedial Coaching Committee – Member
5. Tutorial System- Coordinator
6. Time table committee – Member
7. Academic monitoring committee - Member
8. Coordinator and resource person of the Workshop on “Typesetting in Latex” organized by the Department of Mathematics, Sree Narayana College, Nattika on 31-01-2025 & 04-02-2025.
9. Coordinator of National Mathematics Day Celebrations 2024 organized by the Department of Mathematics, Sree Narayana College, Nattika on 03-01-2025.

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