

Dr. Raghavendra A
Associate professor, Dept. of mathematics

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Working at Poornaprajna College since: 2000

Currently held positions/offices

- Principal, Poornaprajna college and postgraduate centre, Udupi.
- Associate professor, Department of mathematics.

Previously held positions/offices(Mention with year, institution)

- Student Welfare officer. (for 6 years)
- Coordinator of IQAC. (for 8 years)
- Coordinator of Science Association. (for 1 year)
- Head of the department, Department of mathematics. (for 18 years)

Educational Qualification

- M.Sc. from Mangalore University 1986
- M.Phil from Mangalore University 1988
- PhD from Dravidian University 2016

Work experience

- Assistant professor at St. Aloysius College, Mangalore
- Associate professor at Poornaprajna College, Udupi (2000-till date)

Areas of interest (Academic)

Number theory, Graph theory

Expertise

Preparation of question papers for competitive exam.

Minor research projects

Completed a Minor research project in 2012-15 on the topic “Distance sets in Graphs” sponsored by UGC.

Research Publications (*Bold the publications during your tenure at PPC,)*

Journal articles

1. Raghavendra, A., Sooryanarayana, B., Hegde, C. 2014. **Rational metric dimension of graphs**. *Communications in Optimization Theory*, 1.16. ISSN: 2051-2953.
2. Raghavendra, A., Sooryanarayana, B., Hegde, C., 2014. **Bi-Metric dimension of graphs**. *British Journal of Mathematics and Computer Science*, 4(18), ISSN: 2699-2714.
3. Raghavendra, A., Sooryanarayana, B., Raksha, P., 2017. **A study on rational metric energy of a graph** . *International Journal of Mathematical Sciences and Engineering Applications*, 11(3), pp.155-163, ISSN: 0973-9424.
4. Sooryanarayana, B., Raghavendra, A., Hegde, C., 2019. **Dominating function and Cayley graphs**. *International Journal of Applied Engineering Research*, 14(11), pp.2553-2558, ISSN: 0973-4562.
5. Raghavendra, A., Audace A., V., D., Poojary, P., Sooryanarayana, B., 2021. **On distance-based topological invariants of Isaac graphs**. *Palestine Journal of Mathematics*,
6. Poojary, P., Raghavendra, A., Shenoy, B.G., Farahani, M.R. and Sooryanarayana, B., 2021. **Certain topological indices and polynomials for the Isaac graphs**. *Journal of Discrete Mathematical Sciences and Cryptography*, 24(2), pp.511-525.
7. Narahari Swamy, Prasanna Poojary, Gautham B Shenoy, Raghavendra A, Badekara Sooryanarayana, Nandini Poojary, 2023. **Reverse topological indices of some molecules in drugs used in treatment of H1N1**. *Biointerface Research in Applied Chemistry*, 13(1), pp.71, ISSN: 2069-5837.

Paper presented in conferences/seminars

- Presented a paper entitled “Dominating function of Distance Graphs” in International Conference on Emerging Trends in Fluid Mechanics and Graph theory organised by the Department of Mathematics, Christ University, August 16-18, 2012, Bangalore, India.
- Presented a paper entitled “Rational Metric Dimension of Graphs” in National Seminar on Graph theory and its applications organised by the Department of Mathematics, St. Aloysius college and Forum of Mathematics Teachers, Mangalore University, January 3-5, 2013, Mangalore, India.
- Presented a paper entitled “A new variety of Resolving set” in National Conference on Graph Coloring and its applications organised by the Department of Mathematics, Dr Ambedkar Institute of Technology, Bangalore University, July 27-28, 2013, Bangalore, India.
- Presented a paper entitled “Bi-Metric Dimension of Power Graphs” in National Seminar on Graph theory and its Applications organised by the Department of Mathematics, St. Aloysius college and Sponsored by UGC, January 17-18, 2014, Mangalore, India.
- Presented a paper entitled “Rational Metric Dimension of Network Graphs” in National Conference on Numerical Methods and Network Analysis organised by the Department of Mathematics, Milagres college, Kallianpur and Forum of Mathematics Teachers, Mangalore University, July 17-18, 2014, Udupi, India.

Guest Lectures delivered (if any)

- Delivered a special lecture in “Refresher Course for High School Teachers ” at Govinda Das College, Surathkal, on 13th October 2009.
- Delivered a special lecture on “Limits and continuity” at Department of mathematics, J.C.B.M College, Sringeri, on 22nd November 2010.
- Delivered a special lecture in “One day Mathematics workshop” at Department of mathematics, Alva’s PU College, Moodabidri, on 28th October 2016.

Seminars/Workshops attended (if any)

- Participated as deligate in National Conference on Linear Algebra and Applications organised by the Department of Mathematics, Milagres college, Kallianpur and Forum of Mathematics Teachers, Mangalore University, August 4-5, 2011.
- Attended a International workshop and Conference on “Combinatorial Matric Theory and Generalized Inverses of Matrices”, at Department of Statistics, Manipal university, manipal , January 02-07, 2012 and January 10-11, 2012.

- Participated in Eighth Annual Conference of Academy of Discrete Mathematics and Applications and Graph theory Day VIII organised by the Department of Mathematics, V.V. Vanniaperumal College for Women, Virudhunagar and ADMA, June 8-10, 2012.
- Participated in 28th National Conference of Ramanujan Mathematical Society, June 27-30, 2013.
- Committee Member in the XXVII AIFUCTO STATUTORY CONFERENCE 2013 and NUEPA Sponsored National Seminar on ‘ Changing Paradigms of higher education –XII five year plan initiatives organised by St. Aloysius College, Mangalore, November 30 - December 2, 2013.
- Attended a National workshop on “Mathematical Software’s for Computer Applications”, at Dr. AIT, Bangalore, April 28-29, 2014.
- Participated in National Conference on “Recent Trends in Graph theory” organised by the department of Mathematic, Mangalore university, Mangalore, February 5-6, 2015.
- Participated in two days U. G.C. Sponsored State level Seminar organised by the department of Mathematic, Sri Bhuvanendra college, Karkala, on theme “Linear Algebra and its applications” , March 11-12, 2016.
- Attended a workshop on “National Education Policy”, at Dr G. Shankar Government Women’s First Grade College and P.G. Study Centre ,Ajjarkadu, Udupi , November 29, 2021.

Seminars/Workshops organized (if any)

- Organised National Conference on “Distance in Graphs” on 4th, 5th, 6th of October 2010.
- Organised National Conference on “Graph Network and Navigators” on 2nd, 3rd of January 2015.
- Chairman of two days International Conference on Discrete Mathematics on July 22-23, 2021 at Poornaprajna College, Udupi.

Members of BOS/BOE (Current and previous)

- BOS(UG) member of S.D.M College.(2009-11)
- BOS(UG) member of St. Agnes College, Mangalore.(2009-2020)
- BOS(UG) member of St. Aloysius college, Mangalore.(2012- 2016)
- BOS(PG) member of St. Aloysius college, Mangalore.(2016- 2020)
- BOAE(UG) member of Mangalore university.(2016-2020)

Membership in national/international academic and professional bodies (if any)

- Life member of Ramanujan Mathematical Society.
- Member of ADMA.