

**B. Gautham Shenoy**  
**Lecturer, Dept. of mathematics**

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**Working at Poornaprajna College since: 2020**

### **Educational Qualification**

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- M.Sc. from Mangalore University (2019)

### **Work experience**

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- Lecturer at Poornaprajna College, Udupi (2020-till date)

### **Areas of interest (Academic)**

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Graph theory, Algebra

### **Research Publications**

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#### ***Journal articles***

- Poojary, P., Raghavendra, A., Shenoy, B.G., Farahani, M.R., & Sooryanarayana, B. (2021). Certain topological indices and polynomials for the Isaac graphs. *Journal of Discrete Mathematical Sciences and Cryptography*, 24(2), 511-525.
- Vadiraja Bhatta, G.R., Manasa, K.J., Gautham Shenoy, B., Poojary, P., & Chaithra, B.J. (2021). Introduction to Neutro Nearings. *Neutrosophic Sets and Systems*, 46, 445-455.
- Narahari Swamy., Prasanna Poojary., Gautham B. Shenoy., Raghavendra, A., Badekara Sooryanarayana., & Nandini Poojary. Reverse topological indices of

some molecules in drugs used in treatment of H1N1. *Biointerface Research in Applied Chemistry*.(Accepted for Publication)

***Paper presented in conferences/seminars***

- Presented a paper entitled “Rational Wiener index and rational Schultz index of graphs” in International Conference on Applied Linear Algebra, Probability and Statistics, December 17-18, 2020, Manipal Academy of Higher Education, Manipal, India.
- Presented a paper entitled “Certain topological indices and polynomials for the Issac graphs” in Virtual International Conference on Discrete Mathematics-2020, February 08-10, 2021, Mangalore University, Mangalore, India.
- Presented a paper entitled “Reverse Topological indices of some molecules in drugs used in the treatment of H1N1” in 6th International Conference on Combinatorics, Cryptography, Computer Science and Computing, November 17-18, 2021, Iran University of Science and Technology, Tehran, Iran.

**Short-term courses attended**

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- NPTEL online certificate course on introduction R Software conducted by Swayam.
- Attended a Online FDP on "Developing E - Content Using Multimedia Tools", conducted by Shree Venkateshwara arts and science college, Gobichettipalayam, Tamil Nadu on May 27-29, 2020.
- Attended a Online FDP on "Introduction to Python Programming ", conducted by ICT Academy on May 24, 2021.

**Seminars/Workshops attended**

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- Attended a webinar on “S. S. SHRIKHANDE - LIFE AND WORKS”, conducted by St.Paul' s College, Kalamassery, on May 02, 2020.
- Attended a webinar on “Fractals Via Fixed point theory”, conducted by Jayaraj Annapackiam college for women, Periyakulam, on June 03, 2020.

- Attended a webinar on “Applications of Differential Equations”, conducted by KONGUNADU ARTS AND SCIENCE COLLEGE, Coimbatore, Tamil Nadu, on June 04, 2020.
- Attended a webinar on “Introduction to FEM”, conducted by AKS University, Satna, on June 08, 2020.
- Attended a Webinar on “DIGITAL CULTURE IN EDUCATION”, conducted by Hindusthan College of Engineering and Technology, Coimbatore, Tamil Nadu, on June 10, 2020.
- Attended a Two-day International Webinar on “Algebra, Analysis & Topology”, conducted by Bankura University, on August 13-14, 2020.
- Attended a Webinar on “VOLTERRA SPACE”, conducted by Government arts college for women, Sivagangai, Tamil Nadu, on August 28, 2020.
- Attended a Webinar on “Mathematics of Signals : Perspectives in Coding and Cryptography”, conducted by Channabasaveshwara Institute of Technology, Tumkur, on November 26, 2020.
- Attended a workshop on “Domination theory and topological indices”, conducted by Mangalore University, Mangalagangothri, Mangalore, on February 04-06, 2021.

#### **Seminars/Workshops organized**

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- Convenor of two days International Conference on Discrete Mathematics on July 22-23, 2021 at Poornaprajna College, Udupi.