

Faculty Profile

Name of Faculty	R. A. Daisy Singh
Department	Mathematics
Qualification	M.Sc., M.Phil., (Ph.D).
Designation	Assistant Professor
Area of specialization	Graph Theory
Date of Joining BNMIT	01.08.2007
Nature of Association (Regular/Contractual/Adjunct)	Regular
e-mail	thavanya2010@ymail.com alexanderdaisy2015@gmail.com
No. of years of Experience	Teaching: 14 year



Academic Qualifications

- Pursuing **Ph.D** in Graph Theory from VTU, Belgaum. (Thesis submitted to VTU, Karnataka, India, for the award of degree of Doctor of philosophy.)
- **M.Phil.** (Mathematics), 2000, Madurai Kamaraj University, Madurai.
- **M.Sc.** (1998), Bharathidasan University, Trichy.
- **B.Sc.** (1996), Bharathidasan University, Trichy.

Working Experience Details

- Lecturer, PGP College of Arts & Science, Namakkal, Tamilnadu, India, (2001 – 2003).
- Lecturer, Dept. of Mathematics, BNMIT, Bangalore, India, (2007 – 2014).
- Assistant Professor, Dept. of Mathematics, BNMIT, Bangalore, India, (2014 – till date).

Subject taught

Topics Taught: Advanced Mathematics, Applied Mathematics, Statistics, Engineering Mathematics (I, II, III, IV), Discrete Mathematical Structures, Graph theory.

Academic Positions and other Responsibilities (Department Level):

- Class Coordinator for I/II semester (Physics and Chemistry cycle).
- Time table Co ordinator (2013-14)
- Test Co ordinator (2014-15)

- Member of Editorial team (College Magazine: 2014-15)
- Cultural Co ordinator (2015-16).
- Web Co ordinator (2017-18)

Workshops /Seminars Organized:

1. Organizing Committee Member - International Conference on “Fluid Dynamics and its Applications” July 12 - 14, 2017, BNMIT, Bangalore-70.
2. Organizing Committee Member - International Conference on “Fluid Dynamics and Its Applications” July 20 - 22, 2011, BNMIT, Bangalore-70.
3. Organizing Committee Member - International Conference on “Mathematical Modeling and Nonlinear Equations” January 20 - 22, 2010 , BNMIT, Bangalore-70.
4. Organizing committee Member- “52nd Congress of Indian Society of Theoretical and Applied Mechanics (An International Meet)” December 14 - 17, 2007, BNMIT, Bangalore -70.

Research Publications:

International Journals:

1. R.A. Daisy Singh & R.Murali., ‘**Hamiltonian Laceability properties in the Hierarchical Hypercube network**’, International Journal of computer application, (2250-1797), Volume 6- No.2, March-April 2016, Page:1-10.
2. R.A. Daisy Singh & R.Murali., ‘**Hamiltonian-t-Laceability property of Edge Fault Hierarchical Hypercube network**’ Annals of Pure and applied Mathematics, (2279-0888), Volume 12- No.1, September 2016, Page:101-109.
3. R.A. Daisy Singh & R.Murali., **Interleaver graph of brick product graph $C(2n,1,3)$ and hamiltonian- t^6 -laceability**, International journal of pure and applied mathematics, (1314-3395), Volume 119- No. 14, October 2018, Page: 213-220.
4. R.A. Daisy Singh & R.Murali., **Hamiltonian laceability in the interleaver graph of the brick product graph $C(2n,1, 5)$** . International journal of recent technology and engineering, (2277-3878), Volume 7, Issue-6S2, April 2019, Page: 856-863.

Papers presented in International/National Conferences:

National:

- Presented a paper on “A study on Hamiltonian laceability of Hierarchical hypercube network at National conference on Wireless control and communication technology held during April 27-28, 2015 at Dr.AIT Bangalore.

Interational:

- Presented a paper on “Interleaver graph of brick product graph $C(2n,1,3)$ and hamiltonian laceability” at an international conference on Applied engineering sciences and management held during October 12-13, 2018 at KSSEM, Bangalore.
- Presented a paper on “Hamiltonian laceability in the interleaver graph of the brick product graph $C(2n,1,5)$ ” and at 2nd international conference on pure and applied mathematics held during December 17-19, 2018 at SCSVMV, Kanchipuram.

Participation in Training courses/Seminars/Workshops:

1. One week Faculty Development Program on “Emerging trends in mathematics and its applications” held during January 28 to February 2, 2019 at RIT, Bangalore.
2. Five day skill enhancement program on “Helping our students get through college” held during January 21-25, 2019 at Global academy of technology, Bangalore.
3. Three day International conference on “Pure and applied mathematics” held during December 17-19, 2018 at SCSVMV, Kanchipuram, Tamilnadu.
4. Two day International conference on “ Applied engineering sciences and management” held during October 12-13, 2018 at KSSEM, Bangalore.
5. One week Faculty Development Program on “Application of Mathematical tools engineering problems held during July 30 to August 4, 2018 at RIT, Bangalore.
6. One week Faculty Development Program on “Computational Tool for Engineering Applications” held during Jan 16 to 21, 2018 at MSRIT, Bangalore.
7. Three day National Conference on “Current Advances in Science and Technology” held during May 10-12, 2017 at KSIT, Bangalore.
8. Two week FDP on “Graph theory- Algorithms and Applications” held at BMSCE, Bangalore from Dec 26, 2016-Jan 07, 2017.
9. One week workshop on “Tools for project management and Evaluation” held at BMSCE, Bangalore from July 18-24 ,2015.
10. Two day National Conference on “Graph Networks and Navigators” held at Poornaprajna College, Udupi from Jan 2-3, 2015.
11. Two day workshop on “Towards a New Curriculum in Engineering Mathematics with Scilab & Maxima”, held at Jyothy Institute of Technology, Bangalore, from Dec 26-27, 2014 .
12. One day Faculty development program on “Cyber Security & Cyber Laws” held at BNMIT, Bangalore on August 20th 2014.
13. Two day National Conference on “Graph Colouring and its Applications”, held at Dr. AIT, Bangalore, from July 27-28, 2013.
14. Three day Faculty Development Programme on “Innovative Teaching & Effective Communication” held at BNMIT, Bangalore from July 18-20, 2012.
15. International Conference on Fluid Dynamics and its applications held at BNMIT from July 20-22, 2011.
16. One day Workshop on “Stochastic Process and Stochastic Models” held at MSRIT, Bangalore, on May 20, 2011.
17. Participated in Four day workshop on “Introduction to Probability and Statistics for Applications in Engineering” held at PESIT, Bangalore from June 8-11 , 2010.
18. 53rd Congress of ISTAM held at Osmania University, Hyderabad from Dec-27 to 30 ,2008.
19. 52nd Congress of ISTAM held at BNMIT, Bangalore from Dec-14 to 17, 2007.

Personal Details:

- **Date of Birth:** 06 - 07 –1976; **Gender :** Female.
- **Family Details:** Spouse : Alexander Singh, Daughter: Thavanya Singh

17th May 2019

R. A. Daisy Singh