

**Name:** Dr. K. Kavitha

**Designation:** Assistant Professor

**Department:** Mathematics

**Qualification:** M.Sc(Applied Mathematics)., M.Phil Computer Science.,  
M.Phil Mathematics., (Ph.D).



**Experience:** Teaching: 11 Years      Industry: 3      Research: 4 Years

**Area of Specialization(s):** Operations Research, Software Engineering

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### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Mathematics	Bharathiar University	2022
M.Phil.	Mathematics	Bharathiar University	2017
M.Phil.	Computer Science	Manonmaniam Sundaranar University	2009
M.Sc.	Applied Mathematics with Computer Science	PSG College of Technology	2000
B. Sc.	Mathematics	PSGR Krishnammal College for Women	1998

### Research Publications (Indexed)

#### *International:*

1. K. Kavitha., T. Babitha., V. Praveena, Complementary Place Transformation in Petri Nets, Proc. of IEEE Xplore, 2018 (Indexed in Scopus).
2. K. Kavitha., T. Babitha., An Approach for Job Shop Scheduling using Petri Nets, Advances in Mathematics: Scientific Journal, vol. 9, no. 11, 9959–9972, 2020(Indexed in Scopus).
3. K. Kavitha., T. Babitha., A Petri Net Representation of Processing Model, Turkish Online Journal of Qualitative Inquiry, vol. 12, no. 3, 94-104, 2021(Indexed in Scopus).

4. K. Kavitha., T. Babitha., V. Praveena., P. Divya., Identify Legitimate Users In DDoS Attacks Using Petri Nets, Materials Today Proceedings, vol. 64, no. 1, 859-864, 2022(Indexed in Scopus).

#### **Presentations in Conference**

1. Introduction to Petri Nets –Complementary place-transformations, IEEE International Conference on Soft-computing and Network Security, SNS College of Technology, 14<sup>th</sup> – 16<sup>th</sup> February 2018
2. Mathematics and Computer Techniques in Industries, NBHM, PSGR Krishnammal College for Women, 22<sup>nd</sup>-23<sup>rd</sup> March 2016
3. Partial Differential Equations and Application, Bharathiar University, 30<sup>th</sup>-31<sup>st</sup> January 2014.
4. Recent Advances in Graph Theory and operator theory, Dr. SNS Rajalakshmi College of Arts and Science, 18<sup>th</sup> Nov 2014.

#### **Participation in Seminars**

1. National Seminar on Current and Future Directions in Applied Mathematics, PSGR Krishnammal College for Women, 21<sup>st</sup>-22<sup>nd</sup> February 2018.

#### **Participation in Workshop**

1. Evaluation Reforms in Higher Education, University Grants Commission, Hyderabad, 18<sup>th</sup> -19<sup>th</sup> July 2019.
2. Technology Enhancement for Outcome Based Education, NAAC Sponsored, PSGR Krishnammal College for Women, 15<sup>th</sup> -16<sup>th</sup> December 2016.
3. Image Processing and Video Analytics, SNS College of Technology, 31<sup>st</sup> March – 2<sup>nd</sup> April 2016.
4. National Programme on Technology Enhanced Learning, IIT Madras, 17<sup>th</sup> April 2015.
5. Applications of Statistical Software, Bharathiar University, 21<sup>st</sup> – 22<sup>nd</sup> August 2014.
6. Enhancing Teaching Skills , WIPRO MISSION10X, Dr. N.G.P Arts and Science College, 6<sup>th</sup> -8<sup>th</sup> August 2013.

### **Participation in Faculty Development Programme**

1. To Improve Leadership Qualities, Born to Win Learning Services, Chennai, 1<sup>st</sup> Dec-15<sup>th</sup> Feb 2020.
2. Packages for processing Biological Data in R, PSGR Krishnammal College for Women, 18.09.2018
3. Art of Teaching- Pedagogical Tools and Techniques Series III, National Institute of Technology, Trichy, 17<sup>th</sup>-21<sup>st</sup> Nov 2014.