

Faculty Profile



Mrs.V N Jayamani., M.Sc., M.Phil., (Ph. D)
Assistant Professor (SG)

HIGHLIGHTS:

- Number of Journal Publications: 3
- H-Index:2
- Project Funding Received:Nil
- Patents Published:1
- Patents Granted:Nil

PROFESSIONAL LINKS:

- Scopus ID: 58494658400
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=58494658400&origin=recordPage>
- Google Scholar ID: <https://scholar.google.com/citations?user=bdnzgsgAAAAJ&hl=en>
- Anna University Faculty ID: 256925
- AICTE Faculty ID: 1-469258926
- Anna University Supervisor ID: Nil
- LinkedIn: <https://www.linkedin.com/feed/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 17 years 8 months
- Industrial Experience: Nil

AREA OF SPECIALIZATION:

- Retrial Queues
- Fuzzy set Theory
- Differential Equations

JOURNAL PUBLICATIONS:

- Pramanik, K. K., Rahane, S. B., Jayamani, V. N., Mehra, R., Manjunath, C. R., & Athawale, S. V. (2023). Cloud Computing based Wireless Sensor Network in Data Transmission With Routing Analysis Protocol and Deep Learning Technique. *International Journal of Intelligent Systems and Applications in Engineering*, 11(3s), 165-169.
- Pramanik, K. K., Rahane, S. B., Jayamani, V. N., Mehra, R., Manjunath, C. R., & Athawale, S. V. (2023). Cloud Computing based Wireless Sensor Network in Data

Transmission With Routing Analysis Protocol and Deep Learning Technique.
International Journal of Intelligent Systems and Applications in Engineering, 11(3s), 165-169.

- Jayamani, V. N., Madheswari, S. P., Suganthi, P., & Josephine, S. A. (2024). An N-policy M/M/1 queueing model for energy saving mechanism in networks. *Sustainable Computing: Informatics and Systems*, 44, 101016.
<https://doi.org/10.1016/j.suscom.2024.101016>.
- Henrietta, H. M., Kalaiarasi, K., Sumathi, M., Jayamani, V. N., & Raj, A. S. (2023). An investigation of inventory optimization by using geometric programming technique with decagonal fuzzy number representation. *Nonlinear Studies*, 30(4).

PATENTS PUBLISHED/GRANTED:

- Math Teaching Device, Indian Design Patent, October 2024.

COURSES CERTIFIED:

NPTEL Courses completed

- Applied Linear Algebra in AI and ML- Got Silver Medal
- Accreditation and Outcome Based Learning
- Introduction to Queueing Theory

ACHIEVEMENTS AND AWARDS:

- Best Teacher Award in the Academic year 2013-14.
- Best Teacher Award in the Academic year 2018-19.

PAPER PRESENTED IN NATIONAL & INTERNATIONAL CONFERENCES

- Paper Presented on A Comparative Study on M/M/1 and M/G/1 Queue using Working Vacation with Wireless Sensor Network in International Conference on Recent Trends in Applied Mathematics (ICRTAM – 2023) organised by Department of Science and Humanities (Mathematics), Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore held on 11th October, 2023.
- Paper Presented on An N - policy M/M/1 queueing model for energy saving in Wireless Sensor Networks with unreliable nodes, 2nd International Conference on Research Trends in Mathematics 2022, VIT, Chennai, 22 & 23 Dec 2022.
- Paper Presented on Discrete Time Retrial Queue with Server Breakdown and Feedback, International Conference on Advances in Operations Research, Statistics and Mathematics (AOSM), BITS Pilani, Rajasthan, 28 & 30 Dec 2019.
- Paper Presented on Fuzzy set Theory to Retrial Queues using Trapezoidal fuzzy numbers, International Conference on Mathematics -A Global scenario, DG Vaishnav College, Chennai, 13 & 14 Dec 2012.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

CONFERENCES:

- 2nd international conference on "Innovations in Science & Humanities" organized by Saveetha Engineering College, Chennai on 18.07.2024 and 19.07.2024.
- International conference on Innovations in Science and Humanities, (ICISH 2023), Saveetha Engineering College, 19 & 20 April, 2023.
- Conference on Emerging Trends in Science & Humanities, Saveetha Engineering College, March 3, 2012.

- Conference on Advances in Science & Technology, Saveetha School of Engineering, Oct 31, 2012.
- Conference on Applications of Graph Theory, Fuzzy Logic, Number Theory and Combinatorics in Engg. & Tech, Sairam Engineering College, 12 & 13 August 2010.

FDPs:

- Five Day Virtual Faculty Development Programme on ‘Recent Frontiers in Pure & Applied Mathematics’ organized by the Department of Mathematics, Kongunadu Arts and Science College (Autonomous) under DBT Star College Scheme between 11.11.2024 and 15.11.2024.
- One Week International Faculty Development Programme on Mathematics in Real, Applied and Computational Domains at sathyabama Institute of Science and Technology on 3.07.2023 to 8.07.2023.
- One week Faculty Development Program on “eAe” Enrich and Empower Math skills at M .O.P. Vaishnav College for Women (Autonomous) on 03.11.2023 to 09.11.2023.
- National Faculty Development Program on ChatGPT and Prompt Engineering at Bharati Vidyapeeth College of Engineering - Navi Mumbai, NRI Institute of Technology - Vijayawada and Sreenidhi Institute of Science & Technology on 18.12.2023 to 22.12.2023
- Seven Day International Virtual Faculty Development Programme on “Research For Academic Excellence”, KPR College, Coimbatore, Aug 3 to Aug 8, 2023.
- Five-days FDP on Leap into Fuzzy Logic Applications, VIT, Chennai, June 12 to June 16, 2023.
- FDP on Recent Emerging Trends of Research in Mathematics, VIT Chennai, March 27 to 31 March 2023.
- One week faculty development program on “Application of Mathematics in Science and Technology”, Narasu’s Sarathy Institute of Technology, Salem, June 21 to June 26, 2021.
- Five -days FDP on MATLAB STTP, one week online short time training program on MATLAB for all, SIR MVIT Bangalore, June 4 to June 8 2020.
- Two FDP on Linear Algebra and Research Indicators & Ethics in Research, Loyola College, Chennai, June 5 and June 6 2020.
- FDP on Designing Research Projects, Proposal Writing, Grants and Funding Agencies, Saveetha Engineering College, 26 & 27 April 2018
- FDP in Skill Development in Research, Projects and Patent Filing, Saveetha Engineering College, 17 Feb 2018
- Two Week AICTE Approved FDP on Foundation Program in ICT for Education – FDP 101X, IIT Bombay, August 3 to Sep 13, 2017.
- Two Week AICTE Approved FDP on Pedagogy for online and Blended Teaching – Learning Process – FDP 201X, IIT Bombay, Sep 14 to Oct 12, 2017.
- One day FDP in “Skill Development in Research, Projects and Patent Filing, Saveetha Engineering college, Feb 17, 2017.

SEMINARS:

- Seminar on Free Vibration of Anti-Symmetric Angle-Ply Laminated Plates, Tamilnadu Open University, Chennai, March 21, 2013.
- Seminar on Applications of Fuzzy Sets in Medical Field, Kongu Engineering College, Perundurai, 27 & 28 May, 2010.
- Seminar on Applications of Hidden Markov Models in Engineering Fields, Sri shakthi Institute of Engineering & Technology, Coimbatore, April 23, 2010.

WORKSHOPS:

- IUCEE Workshop on Use of ChatGPT for Educators, Dec 21, 2024.
- Online workshop on “Foundations of Deep Learning and its applications”, VIT Chennai, 19 & 20 June 2023.
- Two-Day Online National Workshop on “Mathematical Tools – MATLAB and Mathematica”, Vellore Institute of Technology, Chennai on 30th and 31st January 2023.
- Workshop on Application of Queueing Systems to Telecommunications, Sri Venkateswara College of Engineering, June 6, 2020.
- Workshop on Sixsigma Yellow Belt, Six sigma Study, May 25, 2020.
- Two days Workshop on Algebra and Number Theory, Saveetha Engineering College, 28 & 29 June, 2019.
- Workshop on IUCEE International Engineering Educator Workshop-Phase 2, Saveetha Engineering College, Jan 1 to May 1, 2019.
- Workshop on IUCEE International Engineering Educator workshop, Saveetha Engineering College, Dec 11 to 13, 2018.
- Workshop on Research Methodology –Tools &Techniques in Engineering, Saveetha Engineering College, 26 &27 Nov 2018.
- Workshop in Linear Algebra, Saveetha Engineering College, 21 Jul 2018
- Workshop on Fuzzy Set Theory & its Applications-WFTA 2017, SRM University Ramapuram, Chennai, March 9, 2017.
- Workshop On Statistical Package for Social Sciences (SPSS), Saveetha Engineering college, 19 & 20 April, 2017.
- One day Hands on Training in LATEX, Saveetha Engineering College, 04 Feb 2017
- One day Workshop on Queueing Theory, Saveetha Engineering College, 27 Nov 2015.
- Workshop on Scientific Approach to SPSS in Research, Ethiraj College for women, Chennai, Feb 21, 2014.
- Workshop on Aakash for Education, Saveetha Engineering College, 10 & 11 Nov, 2012.
- MATLAB- Basics, DOEACC Society, Govt. of India 27 & 28, August 2011.
- Workshop on Applications of Queueing Theory in Engineering, Easwari Engineering College, Dec 9, 2011.

PROFESSIONAL MEMBERSHIPS:

- Membership of the International Association of Engineers.

OTHER DETAILS (If any):

- AICTE Coordinator from 2021 to till now.
- Anna University Affiliation coordinator from 2024 to till now.
- Joint Treasurer in NCETSH, Saveetha Engineering College
- Nodal person of NAD (National Academic Depository).
- Exam cell coordinator for 5 years (2010 to 2015).