

Name: Ms. SARALADEVY R	Photo 	
Designation:	Assistant Professor	
Qualification:	MSc., M.Phil., (Ph.d), SET Qualified,	
Area of specialization:	Mathematics	
Experience:	Industrial Experience	Teaching Experience
	-	17 year & 10 months
Number of workshops / FDP attended:	Number of Workshops	Number of FDPs
	8	14
Publications:	Conference	Journal
	National International	National International
	1	2
Books / Book Chapters	2/1	
Patents:	National	International
	5	-
Professional Body Membership	LMISTE, IEEE	
Staff Achievements	100% Result - in TPDE, Matrices and Calculus	

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	Mathematics	1997	Bharathidasan Govt. College for Women	Pondicherry University	68%	I
PG	M.Sc.	Mathematics	2002	Madras Christian College	Madras University	71%	I
	M.Phil.	Mathematics	2009	Madras Christian College	Madras University	66%	I

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sairam Engineering College	Assistant Professor	01.06.2012	Till date	12	10	-
Dhaanish Ahmed college of Engineering	Lecturer	18.06.2007	29.05.2012	5	-	-

Workshops/Seminars attended:

- Participated in the online workshop titled “Emerging Trends in Academic Writing and Publication” ” hosted by SHODH, Panjab University, Chandigarh, on January 11, 2024.
- Participated in A One day online National Level Workshop on “Role of Mathematics in Research” held on Jun 18, 2022organized by Vaagdevi College of Engineering, Bollikunta, Warangal Urban, Telangana,
- A One day online National Level Workshop on “Graph theory using open source software held on 5/march/2022 by Vellore Institute of Technology, Chennai
- One Week Virtual International Lecture Workshop on "New Advances in Mathematical and Computational Sciences " (NAMCS-2021) Organized by Department of Applied Mathematics, Yogi Vemana University, Kadapa - 516005, A.P., INDIA during 13.09.2021 to 18.09.2021.
- Attended an online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education” during 24-28 August 2020 as organized by AICTE.
- “Graph-A String that cuts across all disciplines” in July 2010 at Jeppiaar Engineering College.
- Theory of computation and Graph theory in March 2009 at MCC.
- “New trend in applied mathematics and its applications” in 2009 at Anand Institute of higher technology.

FDP/STTP Attended:

1. Attended FDP for the course “Accreditation and Outcome Based Learning” conducted by NPTEL-AICTE 2024.
2. NPTEL_AICTE FDP Online Certification on “Teaching and Learning in Engineering” on Jan-Feb 2024 Funded by the Ministry of HRD, Govt. of India.
3. Attended FDP for the course “Teaching And Learning in Engineering (TALE)” conducted by NPTEL-AICTE 2024
4. Attended FDP on Faculty Development Programme on “Exploring New Horizons in Mathematical Research” organized by PG and Research Department of mathematics V.O.Chidambaram College, Thoothukudi from 19th to 24th August 2024.
5. Attended FDP on Faculty Development Programme on “Mathematical Foundation for AI, ML & Data Science” held from 11th to 19th June 2024 organized by SRM Institute of Science and Technology, Vadapalani Campus, Chennai.
6. Attended FDP on “EMPOWERING EDUCATORS: STRATEGIES FOR HOLISTIC TEACHING AND PROFESSIONAL GROWTH” held from 18-12-2023 to 22-12-2023 organized by SRI MALOLAN COLLEGE OF ARTS AND SCIENCE, IQAC.
7. Participating in the one Week International Faculty Development Programme on “Applicability of Mathematical Sciences in Emerging World” organized by the Department of Mathematics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai from 7 to 12 August, 2023.
8. Participated in the International FDP on “ Innovative Mathematical Techniques in Research” held during 1st August - 6th August 2022 organized by Vellore Institute of Technology
9. Participated in the FDP on “Advanced Latex” on June 27 - 29 2022 at Vellore Institute of Technology
10. Attended AICTE Training And Learning (ATAL) Academy online FDP on “Learning Management System” form 15/3/2021 to 19/3/2021 at National Institute of Technical Teachers Training and Research.
11. Attended AICTE Training And Learning (ATAL) Academy online FDP on “Blended Learning and Flipped Classroom” from 18/1/2021 to 22/1/2021 at Vellore Institute of Technology.
12. Attended AICTE training and Learning Academy online FDP on “Ethics, Moral Values, Behavioral Science & Attitude” from 12/10/2020-16/10/2020 at College of Engineering, Trivandrum
13. “Queuing Theory” was held at KCG college of Technology on 15th October 2014.
14. “Mathematical application in Bio-Medical signal processing” on 16-18 Feb 2012 at Karpagam College of engineering Coimbatore.

Seminar Attended:

1. International Seminar on Research Trends in Applied Mathematics organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai on 7/1/2020.

Conference Attended:

1. Paper presented in International Conference on "Progress in Mathematics towards Industrial Applications (PMTIA - 2024)" in the topic of “ Investigation of stability of higher order functional equations in Neotrosophic normed space using Hyer Ulam Method conducted at SRMIST, Ramapuram, Chennai, India during 18" & 19 of Oct'24.

2. International Conference on Mathematical Models in Computational Intelligence held on 14th and 15th December 2023 at Department Mathematics and MCA Department, Ethiraj College For Women (Autonomous), Chennai 60008
3. e-Conference on “Recent Advances for Innovative Research in Mathematics” held on 28th September, 2021 at Department of Mathematics & IQAC, Indira Gandhi Kala Mahavidyalaya, Ralegaon, Dist. Yavatmal in Collaboration with Department of Mathematics & IQAC, R. A. Arts, Shri. M. K. Commerce & Shri. S. R. Rathi Science College, Washim, Dist.
4. Paper presented in International conference on “Irregular set coloring of certain graphs”, Advancements in Applied Mathematics on 22nd November 2019 at S.I.V.E.T. College, Chennai-73.
5. Attended International conference “Applied Mathematics” (28&29 Jan 2010) at B.S. Abdur Rahman University.

Cryptography, Automata and Learning Theory in April 2009 at MCC.

Completed / Ongoing Projects:

Patent:

1. Embedded System Based Sensing of flow behaviour of biocompatible Titanium Alloy TI-6Al-7NB at higher elevated temperature. Application no 202111042984 15/10/2021.
2. Application No.202041042185 A, Date of filing of Application :29/09/2020, Publication Date: 09/10/2020, Title of the invention : A Pedal Powered Foldable Bicycle For Enhanced Mobility
3. Application No.202141021169 A Date of filing of Application :10/05/2021, Publication Date : 11/06/2021, Title of the invention : Multi-Rotor Horizontal Wind Turbine.

Journal Publications:

1. Irregular set coloring of certain graphs, Journal of Physics conference series, doi:10.1088/1742-6596/1724/1/012032(2021)
2. Irregular set coloring of Star families, AIP Conference Proceedings, 2261, 030102(2020)/1.1063/5.0017033.

Books / Book Chapters:

1. “Differential Equations, Complex Variables and Transformations” book with ISBN 9789364686993-8 published through S.Chand And Company Limited 2025.
2. “Engineering Mathematics – II” book with ISBN 978935870251-4 published through S.Chand And Company Limited 2024.
3. DESIGN AND DEVELOPMENT OF SURFACE WATER TREATMENT AND PLANT this chapter has been published in edited book titled Cutting Edge Technologies in Health and Allied Sciences Published by ESN PUBLICATIONS with ISBN 978-93-95196-81-9.

Awards: —

Startup: —

Webinar:

1. One day International Webinar on “Neoteric Development of Cosmology and Gravitational Theories” organized by Dept. of Mathematics and IQAC MMM, Darwha and Dept. of Mathematics, GCOEN, Nagpur on Dated 29th September, 2021.
2. “Fuzzy systems and Graph theory” on 17/6/2020 & 18/6/2020 at Holy cross College, Trichy.
3. “Residue theory and its application” on 12/6/2020 at G. Venkataswamy Naidu College, Kovilpatti
4. Applications of Mathematics in Mechanical Engineering on 11/6/2020 & 12/6/2020 at KPR Institute of Engineering and Technology.
5. Mathematical methods in soft computing on 11/6/2020 at Hindustan College of Arts and Science.
6. Graphs from Commutative rings on 10/6/2020 at Presidency College, Chennai
7. Graph theory and fuzzy Models on 8/6/20 & 9/6/20 at Sridevi Arts and Science College, Ponneri
8. Recent Advancement of Fuzzy Theory on 9/6/2020 at Vel's University, Chennai.
9. Glancing Ramunujam's Mathematics on 8/6/2020 at Sir Thiyagaraya College, Chennai.
10. Innovation and research opportunities for faculty in new normal on 5/6/2020 at Women's Christian college, Chennai.
11. Graph Networks and Its Applications on 4.6.20 & 5.6.20 at Hindusthan College of Arts and Science.
12. Graph theory and Human factors in aviation on 3/6/2020 to 5/6/2020 at G. Venkataswamy Naidu College, Kovilpatti.
13. Key Issues in Research Methodology on 3/6/2020 at G.T.N Arts College.
14. Government Arts College for Men on 1/6/2020 at Nandanam, Chennai.

Resource Person:---

Online Courses:

1. Technical Communication for Engineers Jul-Aug 2024 (4 week course) consolidated score: 87% (NPTEL Online Certification course funded by the Ministry of HRD, Government of India) Elite+Silver certificate.
2. Accreditation and Outcome Based Learning Aug-Oct 2023 (8 weeks course) consolidated score: 87% (NPTEL Online Certification course funded by the Ministry of HRD, Government of India) Elite+Silver Medal.
3. Teaching And Learning in Engineering (TALE) Jan-Feb 2024 (4 weeks course) consolidated score: 81% (NPTEL Online Certification course funded by the Ministry of HRD, Government of India) Elite+Silver Medal.
4. Patent Drafting for Beginners Jan- Feb 2024 (4 weeks course) consolidated score: 53% (NPTEL Online Certification course funded by the Ministry of HRD, Government of India).

5. Ethics in Engineering Practice Feb- April 2024 (8 weeks course) consolidated score: 80% (NPTEL Online Certification course funded by the Ministry of HRD, Government of India) Elite..
6. Successfully completed Module 8: Institutional Management and Administrative Procedure of National Initiative for Technical Teachers Training by AICTE in September 2023.
7. Successfully completed Module 3: Communication skills and modes knowledge and dissemination of National Initiative for Technical Teachers Training by AICTE on February 2023
8. Successfully completed Module 4: Instructional planning and delivery of National Initiative for Technical Teachers Training by AICTE in February 2023..
9. Successfully completed Module 1: Orientation Towards Technical Education and Curriculum Aspects of National Initiative for Technical Teachers Training by AICTE in July 2021.
10. Successfully completed Module 2: Professional Ethics and Sustainability of National Initiative for Technical Teachers Training by AICTE on September 2022
11. Successfully completed Module 5: Technology Enabled Learning and LifeLong Self Learning of National Initiative for Technical Teachers Training by AICTE in July 2022.
12. Successfully completed Module 6 : Student Assessment and Evaluation of National Initiative for Technical Teachers Training by AICTE in July 2022.
13. Successfully completed Module 7: Creative Problem Solving, Innovation and Meaningful R & D of National Initiative for Technical Teachers Training by AICTE in July 2022.
14. NPTEL Online Certification course on “Computation Mathematics with sage maths” with ELITE funded by the Ministry of HRD, Government of India.
15. NPTEL Online Certification course on “Abstract Linear Algebra” with ELITE funded by the Ministry of HRD, Government of India.
16. Successfully completed edX-HarvardX Online Certification course on “Statistics and R” on 24/7/2020.
17. Successfully Completed Coursera Online Certificate course on The Sustainable Development Goals- A global, transdisciplinary vision for the future, University Of Copenhagen, 4/7/20.
18. Successfully Completed Coursera Online Certificate course on Covid-19 Contact Tracing, Johns Hopkins University, 31/5/2020
19. Successfully Completed Coursera Online Certificate course on Machine learning pipelines with Azure ML Studio, 29/5/2020.
20. Successfully Completed Coursera Online Certificate course on Mathematics for Machine Learning--Linear Algebra, Imperial College London, 23/5/2020.
21. Successfully Completed Coursera Online Certificate course on Leadership and Emotional intelligence Indian School of Business, 15/5/2020.
22. Successfully Completed Coursera Online Certificate course on Build a Linear Layout App In Android Studio, 14/5/2020
23. Successfully Completed Coursera Online Certificate Course on Create your First python program, 14/5/2020.

24. Successfully Completed Coursera Online Certificate course on SpreadSheet For Beginners using Google Sheets, 14/5/2020

25. Successfully Completed Coursera Online Certificate course on Data Science and Math Skills, 14/5/2020.

26. Successfully Completed Coursera Online Certificate course on Python for Data Science and Machine Learning Bootcamp, Udemy, 31.03.20.