

Name:

Dr. Y. SHERLIN NISHA

Photo



Designation:	ASSOCIATE PROFESSOR			
Qualification:	M.Sc, M.Phil,Ph.D.			
Area of specialization:	GRAPH THEORY			
Experience:	Industrial Experience	Teaching Experience		
	NIL	18.3		
Number of workshops / FDP attended:	Number of Workshops	Number of FDPs		
	2	15		
Publications:	Conference	Journal		
	National	International	National	International
		2	10	3
Books / Book Chapters	3			
Patents:	National	International		
	3			

Category	Name of the Degree	Specialization	Year of Passing	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc	Mathematics	2003	MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI	71%	I Class
PG	M.Sc	Mathematics	2005	MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI	75%	I Class
	M.Phil	Mathematics	2007	MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI	83%	FIRST CLASS
PhD	Ph.D	GRAPH THEORY	2022	ANNA UNIVERSITY	-	-

Professional Body Membership	1.IEEE Membership 2.ISTE Membership
Staff Achievements	1. NPTEL DISCIPLINE STAR 2. NPTEL DOMAIN SCHOLAR 3. NPTEL MOTIVATED LEARNER 4. Undergone Innovation Ambassador training (Advanced Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.

Educational Qualifications:

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience
Sri Sairam Institute of Technology	Associate Professor	1/06/2013	Till Date	12 years 4 months
Vel tech Dr. RR and Dr.SR Technical University	Assistant Professor	06/09/2007	15/05/2013	5 years 8 Months

Anna University Research Supervisor Ref no: NIL

Workshops/Seminars attended:

1. Participated in the Technical Workshop for **Discrete Mathematics and Theoretical Computer Science** held on 5-6 March 2020 at Sri Venkateswara College of Engineering
2. Workshop On **Graph Theory and Internet Things in Engineering** held on 13th&14th July 2018 at VIT, Chennai.
3. Workshop On **Graph Theory and Discrete Mathematics** held on 20th& 21st August 2015 at Sri Sairam Institute of Technology, Chennai
4. Seminar on **Recent Trends in Graph Theory & Combinatorics** held on 23rd December 2017 at Meenakshi College for Women
5. Seminar on **Detour Concepts of Graph Theory**” in Faculty Research Day held on 26th April 2018 at Sri Venkateswara College of Engineering,

FDP/STTP Attended:

1. FDP on “Discrete Mathematics & Graph Theory” conducted by KCG College of Technology.
2. “Faculty Development Programme” on “Talent Excellence in Engineering and Management Curriculum held on 20 & 21st June 2016 conducted by Sri Sairam Institute of Management Studies, Tambaram, Chennai

Workshops/Seminars attended: 6

FDP/STTP Attended: 15

Symposium Attended: Nil

Conference Attended: 5

Completed / Ongoing Projects:

Patent: 3

Journal Publications:

1. . B Rebecca , P Sumathi , M Beulah Viji Christiana , A Sanjeevi Gandhi , G S Raghavendra , D. Rosy Salomi Victoria , Thiyagesan M , Y. Sherlin Nisha. [An Experimental investigation on Feature Extraction and Fault Detection in Analog circuits using Fuzzy logic and Neural Network](https://doi.org/10.14447/jnmes.v28i1.a04) DOI: <https://doi.org/10.14447/jnmes.v28i1.a04>.
2. S. Prabhu, Y. Sherlin Nisha, On Detour Index of Join of Graphs, Advances in Electrical and Computer Technologies, pp 983-989. (Scopus Indexed)
3. S. Prabhu, Y. Sherlin Nisha, Michael Cary, Arulperumjothi, Xuli Qi, On Detour Index of Join of Hamilton-connected Graphs, ARS COMBINATORIA, DOI:10.61091/ars-160-15 . 195–203
4. S. Prabhu, Y. Sherlin Nisha, K.S. Sudhakar, Detour Distance Sequence of Grid and Grid Derived Networks, International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST), Vol.4, Issue.9, September 2018, ISSN (ONLINE):2456-5717.
- 5.R. Kavitha, L. Jeyanthi, S.M. Chithra and Y. Sherlin Nisha, NUMERICAL INVESTIGATION OF MHD HYBRID CU – AL₂O₃/WATER NANOFLUID WITH THERMAL RADIATION, JOURNAL OF AERONAUTICAL MATERIALS, Vol. 43, Issue-01, 2023, ISSN: 1005-5053, pp. 330-350.

Books / Book Chapters:

Applied Numerical Methods.

Basics of AI with Algorithms Models and Applications

Bookchapter: 1. Connected Detour Domination in Graphs: Theory and Computation

Awards:

Best Teacher Award 2023 from international journal for Modern Trends in Science and Technology

Women Faculty Award 2023 from Deccan International Academic Publisher Awards, organized by DJ Academe, Tamil Nadu, India.

Conferences:

- 1.Paper presented in two days International Conference on Mathematical Computer Engineering, at VIT University, Chennai Campus on 21-22 February 2020.
2. Paper presented in two days International Conference on Mathematical Modeling and Computational Methods in Science and Engineering, at Alagappa University, Karaikudi Campus on 23-24 January 2020.
- 3.Paper presented in two days International Conference on Mathematical Computer Engineering, at VIT University, Chennai Campus on 3-4 November 2017.

4. Paper presented in two days International Conference on Contemporary Approaches in Mathematics and Emerging Engineering Trends, at AVIT on 26th & 27th April 2018.

5. Paper presented in two National Conference on Emerging Trends in Mathematical Sciences, at S. A. Engineering college, Chennai Campus on 20th December 2018.

Online Courses:

3 Months Certified Course on “**PANCHAYAT RAJ ADMINISTRATION AND RURAL DEVELOPMENT**” Conducted by State Rural Institute of Rural Development and Panchayat Raj, Government of Tamil Nadu, Maraimalai Nagar, 603209. Reg.No. CC2025.B6.41- September 2025.

Completed all 8 Models in NITTTR (National initiative for Technical Teachers Training) conducted by AICTE (All India Council for Technical Education).

- Ø **Module 1:** Orientation Towards Technical Education and Curriculum Aspects
- Ø **Module 2:** Professional Ethics and Sustainability
- Ø **Module 3:** Communication Skills, Modes and Knowledge Dissemination
- Ø **Module 4:** Instructional Planning and Delivery
- Ø **Module 5:** Technology Enabled learning and Life-long self-Learning
- Ø **Module 6:** Students Assessment and Evaluation
- Ø **Module 7:** Creative Problem solving, innovation and Meaningful R&D
- Ø **Module 8:** Institutional management and Administrative Procedures.

Completed NPTEL Courses

- v Accreditation and Outcome Based Learning (Elite+Silver)
- v Learning Analytics Tools (Elite)
- v Technical Communication for Engineers (Elite+Silver)
- v Business Intelligence and Analytics (Elite)
- v Python for Data Science (Elite+Silver)
- v Deep Learning (Elite)
- v Data Analytics for Python (Elite+Silver)
- v Introduction to Machine Learning IITKP (Elite)
- v Graph Theory

