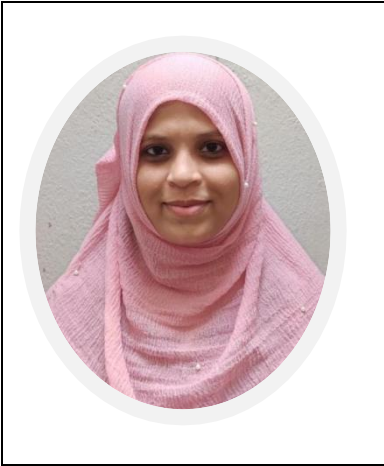


Name: DR DHILSHATH S	Photo 			
Designation:	ASSISTANT PROFESSOR			
Qualification:	M.Sc , Ph. D (MATHEMATICS)			
Area of specialization:	MATHEMATICS			
Experience:	Industrial Experience		Teaching Experience	
	8 Years (Online Tutor)		8 Years (Online Tutor) 1 year 6 months (Assistant Professsor)	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	5		3	
Publications:	Conference		Journal	
	National	International	National	International
Professional Body Membership	IEEE member (Membership No - 101641283)			
Staff Achievements				

Educational Qualifications:

Categor y	Name of the Degree	Specialization	Year of Passin g	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	Mathematics	2006	Madurai Kamaraj University	91 %	FIRST
PG	M.Sc.	Pure Mathematics	2008	Ramanujan Institute for Advanced Study in Mathematics, University of Madras	78.46 %	FIRST
PhD		Mathematics	2025	Ramanujan Institute for Advanced Study in Mathematics, University of Madras		

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Year s	Month s	Days
AMET University	Assistant Professor	08.01.2025	06.08.2025	0	7 months	

Anna University Research Supervisor Ref no:

Workshops/Seminars attended:

- **National Seminar on Application of Differential Equations: Neural Network and Fluid Dynamics, AMET UNIVERSITY, 15.04.2025**
- Advanced Instructional School (AIS) on Representation Theory at Chennai Mathematical Institute, June 20 - July 9, 2022
- National Centre for Mathematics sponsored one-week training program on Combinatorial Models in Representation Theory, November 4-16, 2019
- Mathematics Training and Talent Search Programme (level-II), May 14-June 9, 2007.
- First Meru Annual Combinatorics Conference - May 29-31, 2023
- 25th Ramanujan Symposium – National Conference on Nonlinear Fractional Differential Equations - March 9-11, 2022
- 23rd Ramanujan Symposium National Conference on Graph Theory and its Applications - March 4-6, 2020
- Advanced Instructional School (AIS) on Representation Theory at Chennai Mathematical Institute, June 20 - July 9, 2022
- Seminar on Counting Subspaces in Relation to the Linear Operator by Amritanshu Prasad - October 5, 2023
- One-day Colloquium at Ramanujan Institute for Advanced Study in Mathematics, University of Madras - March 23, 2022
- Seminars on Importance of Mathematics and its Applications at Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai - December 22, 2022
- Webinar on A Weighted Adjacency Matrix associated with projective geometry at IMSc Chennai - October 4, 2022
- Webinar on Multiplicity of trivial and sign representations of S_n in hook-shaped representation of $GL(n)$ by Sridhar P. Narayanan
- Webinar on Graphs and Commutative Rings Organised by the Department of Mathematics, Presidency College, Chennai - June 10, 2020

FDP/STTP Attended:

- NPTEL -AICTE Faculty Development Program in Matrix Analysis with Applications with a consolidated score of 78%
- Five days International Faculty Development Program on Machine Learning and Dynamical Systems, Organized by Department of Mathematics, AMET University, Chennai (12.05. 2025 - 16.05.2025)
- Faculty Development Program on Advances in Non linear Dynamics and Applications in Engineering, Organized by Department of Mathematics, SRM Institute of Science and Technology, Ramapuram, Chennai - 600 089, from 21st to 28th April 2025.

Symposium Attended: Nil

Conference Attended:

- **International Conference on Recent Strategies in Mathematics and Statistics (ICRSMS-2022)** held during May 19-21, 2022, organised by the Department of Mathematics, Stella Maris College in collaboration with the department of Mathematics, Indian Institute of Technology Madras.
- **International Conference on Mathematical Science and its Recent Advancements (ICMSRA-2022)** held during May 5-7, 2022, organised by the Department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
- **International Conference on Mathematical Challenges and Novel Applications** held on 21st April, 2025, organized by the Department of Mathematics, AMET University, Chennai.
- **Third International conference on Innovative in Science and Humanities** held during 19 - 20 August 2025, Conducted by Department of Science and Humanities, Saveetha Engineering College, Chennai, India.

Completed / Ongoing Projects:**Patent:****Journal Publications:**

- V. Karthick, Jayasimman and S. Dhilshath, Quantum Graph-Based Differential Models with Fractional Calculus and Topological Data Analysis for Dynamic Characterization of Protein-Protein Interaction, Communicated to the Journal
- Tamilselvi and S. Dhilshath, Walled Klein-4 Brauer Algebras, Journal of Algebra Combinatorics Discrete Structures and Applications, 10(1)(2022), 45-59. <https://jacodesmath.com/index.php/jacodesmath/article/view/245>
- A. Tamilselvi and S. Dhilshath, Harmony of Walled Klein-4 Brauer Diagrams and Klein-4 Vacillating Tableaux, Indian Journal of Science and Technology, 16(48) (2023), 4734-4742. <https://doi.org/10.17485/IJST/v16i48.2801>
- A. Tamilselvi and S. Dhilshath, Utilizing Pair of Semi-Standard 4-Young Tableaux for Encryption and Decryption in Cryptographic Applications, Communicated to the Journal.
- A. Tamilselvi and S. Dhilshath, Structural Analysis of Walled Generalised Klein-4 Permutations, Communicated to the Journal.
- A. Tamilselvi and S. Dhilshath, Unveiling Algebraic Symmetries: Knuth and Dual Knuth Relations in the Walled Klein-4 Brauer Algebra, Communicated to the Journal.

Books / Book Chapters:

Awards:**Startup:****Webinar:****Resource Person:**

- Presented a seminar at Institute of Mathematical Sciences, Chennai titled “Combinatorial Structures and Correspondence in Walled Klein-4 Brauer Algebra” on August 2, 2024.

Online Courses:

- NPTEL -AICTE Course in Matrix Analysis with Applications with a consolidated score of 78%