

FACULTY PROFILE



Name of Teaching Staff / RMK ID	Dr. K. Tamilvanan / T1100		
Designation	Assistant Professor (Gr II)		
Department	Science & Humanities (Maths)		
Date of Joining the Institution	07.10.2022		
Qualifications	M.Sc.,	B.Ed.,	Ph.D.,
Total Experience	Overall : 3.75 Years		in RMK : 3 Years
Papers Published in Journal	Overall : 85		After Joining RMK : 24
List of Papers Published	<ol style="list-style-type: none"> 1. Existence of covers and envelopes of a left orthogonal class and its right orthogonal class of modules 2. Ulam-Hyers Stability Results of λ-Quadratic Functional Equation with Three Variables in Non-Archimedean Banach Space and Non-Archimedean Random Normed Space 3. Ulam-Hyers Stability of Mixed Type Functional Equation Deriving From Additive and Quadratic Mappings in Intuitionistic Random Normed Spaces 4. Fixed Point Approach: Ulam Stability Results of Functional Equation in Non-Archimedean Fuzzy φ-2-Normed Spaces and Non-Archimedean Banach Spaces 5. Ulam stability results of functional equations in modular spaces and 2-Banach spaces 6. Ulam stability of mixed type functional equation in non-Archimedean IFN-Space 7. Investigations of color image segmentation based on connectivity measure, shape priority and normalized fuzzy graph cut 8. Some common fixed point results in modular 		

	<p>ultrametric space using various contractions and their application to well-posedness</p> <ol style="list-style-type: none"> 9. Fixed Point Method: Ulam Stability of Mixed Type Functional Equation in β-Banach Modules 10. Generalized Additive Functional Equation: General Solution and Hyers-Ulam Stability in Banach Spaces via Alternative Fixed Point Theorem 11. Coincidence Point Results for Self-Mapping With Extended Rational Contraction in Partially Ordered Ultrametric Spaces Using p-Adic Distance 12. Fixed Point Technique: Hyers-Ulam Stability Results Deriving From Cubic Mapping in Fuzzy Normed Spaces 13. Hyperstability of Cauchy and Jensen functional equations in 2-normed spaces 14. Ulam stability results of the quadratic functional equation in Banach space and multi-normed space by using direct and fixed point methods 15. Approximate finite dimensional additive mappings in modular spaces by fixed point method 16. Enhancing Paddy Crop Disease Analysis with an Intuitionistic Fuzzy Clustering Algorithm 17. Intuitionistic Fuzzy Stability Results of Mixed Type Functional Equations Using Classical Approaches 18. Fixed Point Technique: Stability Analysis of Quadratic Functional Equation in Various Quasi-Banach Spaces 19. Hyperstability of Functional Equation Deriving from Quintic Mapping in Banach Space by Fixed Point Method 20. Hyers-Ulam stability of a quadratic-additive functional equation in non-Archimedean fuzzy φ-2-normed spaces 21. Ulam Stability of Quadratic Mapping Connected with Homomorphisms and Derivations in Non-Archimedean Banach Algebras 22. Fixed-Point Method: Stability Results of Functional Equation Deriving from Additive-Quadratic Mappings in 2-Banach Spaces 23. Stability of Quartic Functional Equation in Non-Archimedean IFN-Spaces 24. Uniqueness of Fixed Points for Multi-Valued Mappings in Orthogonal Ultrametric Spaces 		
<p>Papers Presented in Conferences (Scopus / WoS indexed only)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Overall : -</td> <td style="width: 50%; padding: 5px;">After Joining RMK : -</td> </tr> </table>	Overall : -	After Joining RMK : -
Overall : -	After Joining RMK : -		

Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided : -
Books Published :	Count : 1	
	List : 1. K. Tamilvanan , Hyers-Ulam Stability of Novemvigintic Functional Equation, LAP Lambert Academic Publishing, 2019.	
Patents	Published Count : 01	Granted Count : -
	List : 1) Wireless Vehicular Networks for Collision Avoidance	
Professional Memberships	Count : 03	
	List : 1. Mathematical Reviews: Ann Arbor, MI, US. 2. International Association of Engineers: Hong Kong, Hong Kong, CN.	
Consultancy Projects Completed	Count : 01	
Awards Received	Count : 02	
	List : 1) Young Researcher Award, 2024. 2) Young Researcher Award, 2025.	
Research grants Received	-	
Orchid Link / ID	https://orcid.org/0000-0002-4900-7604	
Google Scholar Link / ID	https://scholar.google.co.in/citations?hl=en&user=cYkPax0AAAAJ	
Vidwan Link / ID	305349	
Research Gate Link / ID	https://www.researchgate.net/profile/K-Tamilvanan-2	
Scopus Link / ID	57204357419	