Name of the Faculty	Dr. Shahid Abdullah			
Designation	Assistant Professor			
Date of Joining	04-08-2025			
E - Mail	Shahidibnabdullah786@gmail.com			

Educational Qualifications	Name of the Degree	Institute	Year	Class
Ph. D	Doctor of Philosophy (Mathematics)	VIT Bhopal University	2025	Awarded
PG	M. Sc. (Mathematics)	Baba Ghulam Shah Badshah University, Rajouri, J & K.	2017	First with Distinction
UG	B.Sc. (Non-Medical)	University of Kashmir	2013	First
Work Experience				
Teaching	3 Years			
Research	4 Years			
Industry	-			
Courses Handled at UG Level	•	- Applied Numerical Methods Course for B. Tech First Year Students. - Applied Linear Algebra for B. Tech First Year Students. - Calculus and Laplace Transformations for First Year Students. - Discrete Mathematics and Graph theory Course for B. Tech Second Year Students.		
Ph.D. Details		- Supervisor: Dr. Neha Choubey Institute: Vellore Institute of Technology (VIT), Bhopal University. - Co-Supervisor: Dr. Suresh Dara Institute: Vellore Institute of Technology (VIT), Bhopal University. Thesis Title: Iterative Methods for Solving Nonlinear		

		Equations using Different Approximations
Area of Research	•	• Numerical Analysis: Nonlinear Equations, Basins of Attraction, Local and Semi-local Analysis, Stability Analysis and Vector Equations.
RESEARCH COLLABORATORS	•	• Prof. N.S. Alharthi, King Abdul Aziz University, Saudi Arabia. • Prof. Ab Hamid Ganie, Saudi Electronic University, Saudi Arabia. • Prof. I. K. Argyos, Cameron University, USA. • Prof. Evren Hincal. Near East University, Northern Cyprus. • Dr. Moin Ud Din Junjua, Zheijang Normal University, China. • Prof. Lorentz Jantschi, Technical University of Cluj-Napoca, Romania Dr. • Shabbir Ahmed, Universidade Federal do Rio Grande, Brazil. • Dr. Munish Kansal, Thapar Institute of Technology, India.

| Prominent Research Publications in Journals | • | • Shahid Abdullah, Abdul Hamid Ganie, N.S. Alharthi, "A New Parameterized Iterative Scheme for Nonlinear Equations: Convergence and Basin of Attraction Analysis", Journal of Applied Mathematics and Computing, (2025). https://doi.org/10.1007/s12190-025-02619-5 **(SCI Expanded, Scopus Indexed and Web of Science Journal) IF: 2.7 (Q2 Journal)**

• Shahid Abdullah, Neha Choubey and Suresh Dara "An Efficient Two-Point Iterative Method With Memory for Solving Non-Linear Equations and its Dynamics", Journal of Applied Mathematics and Computing 70 (1) (2024) 285-315 **(SCI Expanded, Scopus Indexed and Web of Science Journal) IF: 2.7 (Q2 Journal)**

• Shahid Abdullah, Neha Choubey and Suresh Dara "Optimal Fourth and Eighth order Iterative Methods for Solving Nonlinear Equation with Basins of Attraction", Journal of Applied Mathematics and Computing 70 (4) (2024) 3477- 3507 **(SCI Expanded, Scopus Indexed and Web of Science Journal) IF: 2.7 (Q2 Journal)**

• Shahid Abdullah, Neha Choubey, Suresh Dara, Moin-ud-Din Junjua, and Tawseef Abdullah "A Robust and Optimal Iterative Algorithm Employing a Weight Function |

| | | for Solving Nonlinear Equations with Dynamics and Applications", Axioms 13 (2024) 675 **(SCI Expanded and Web of Science Journal) IF: 1.9 (Q1 Journal)**

- M.-D. Junjua, S. Abdullah, M. Kansal, and S. Ahmed, "On traub-steffensen-type iteration schemes with and without memory:fractal analysis using basins of attraction," Fractal and Fractional, Fractal Fract. 2024, 8, 698. **(SCI Expanded and Web of Science Journal) IF: 3.6 (Q1 Journal)**

- Shahid Abdullah, Neha Choubey and Suresh Dara "Dynamical Analysis of Optimal Iterative Methods for Solving Nonlinear Equations with Applications", Journal of Applied Analysis and Computation 14 (6) (2024) 3349 3376 **(SCI Expanded, Scopus Indexed and Web of Science Journal) IF: 1.1 (Q3 Journal) http://www.jaac online.com/article/doi/10.1194 8/20240009**

- Shahid Abdullah, Neha Choubey and Suresh Dara "A New Three-Step Optimal Without Memory Iterative Scheme for Solving Non-Linear Equations with Basian of Attraction", Computational Methods for Differential Equations **(ESCI, Scopus Indexed and Web of Science Journal) IF: 1.1 (Q3 Journal)**

		• Shahid Abdullah, Neha Choubey and Suresh Dara "Two Novel With and Without Memory Multi-point Iterative methods for Solving Non-Linear Equations", Communications in Mathematics and Applications 15 (2) (2024) 9- 31 **(ESCI, Web of Science).** • Shahid Abdullah, Neha Choubey and Suresh Dara "Derivative-free Optimal Iterative Algorithm for Solving Nonlinear Equations with Applications", Computational Methods for Differential Equations **(ESCI, Scopus Indexed and Web of Science Journal) IF: 1.1 (Q3 Journal) Accepted**
Web of Science**/Scopus ID**		3382316 https://sciprofiles.com/profile/3382316
Google Scholar ID		https://scholar.google.com/citations?user=_9LPeWcAAAAJ&hl=en
H-Index (As per SCOPUS Database)		4
PAPERS PRESENTED IN CONFERENCES	•	• S. Abdullah, N. Choubey and Suresh Dara, "Improving the order of convergence for the solution of nonlinear equations with memory", 4th International Conference onMathematical Analysis and Applications (ICGNC 2022), Organized by Department of Mathematics,BGSB University, Rajouri, J and K. (Paper Presentation)

		• S. Abdullah, N. Choubey and Suresh Dara, "A novel fifth-order multi-point with Memory iterative scheme for solving nonlinear equations", 2nd International Conference on Recent Trends in Applied Sciences and Computing Engineering (RTASCE-2023)", Organized by VIT Bhopal University (Paper Presentation) • S. Abdullah, N. Choubey and Suresh Dara, "A memory based Iterative method for solving nonlinear equations with their Applications", International Conference on "Science Technology Engineering Management (STEM) 2023", organized by Department of Mathematics, VIT Bhopal University, (Paper Presentation) • S. Abdullah, N. Choubey and Suresh Dara, "Novel Optimal Eighth-order Three-Point Iterative Method for Solving nonlinear Equations with Applications", International Conference on Emerging Frontiers in Nonlinear and Complex systems, computational intelligence and their Applications (ICNCS)-2024", organized by Department of Mathematics VIT Chennai University (Paper Presentation) • S. Abdullah, N. Choubey and Suresh Dara, "A With Memory Iterative Method for Solving Non-linear Equations with Attraction Basins.",

		International Conference on Nonlinear Analysis and Computational Techniques (ICNCACT-2024)), organized by Department of Mathematics VIT Bhopal University (Paper Presentation)
Book Chapters	•	• Shahid Abdullah, Neha Choubey, Suresh Dara," Optimal Iterative Algorithms for Solving Nonlinear Equations", EquinCOS Springer. (Accepted).
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Attended)	•	• Workshop on Actuarial Expertise, Insurance and Beyond at B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai, 2022. • Workshop on Latex at BGSB University, Rajouri, J and K, 2022. • Latex: A Tool for Technical Writing and Scientific Research with Hands-on Training, organized by school of computing science Engineering and Artificial Intelligence (SCAI) VIT Bhopal University 2024. • Coordinator, Two days workshop on Health Data Analysis (organized by VIT Bhopal University), from 26/05/2022 to 27/05/2022. • Organizer, International Conference on Non linear Analysis and Computational Techniques (ICNCACT 2024)), organized by Department of

		Mathematics VIT Bhopal University, from 06/07/2024 to 09/07/2024
		• (3)Organizer, 2nd National Conference on Recent Trends in Applied Sciences and Computing Engineering (RTASCE 2020) (Organized by VIT Bhopal University), from 18/12/2022 to 20/12/2022.
FELLOWSHIPS/ AWARDS/PRIZES	•	• My Erdos Number is 3 (having papers with Dr. Suresh Dara) • Received 5 Raman Research Awards during my Ph.D.
REMOTE EXPERIENCE	•	• Mathematics AI Specialist (Microsoft) at Turing University, California, USA. E-mail Id: shahida@turing.com
	•	•
ADDITIONAL SKILLS	•	• Coding: MATLAB, Mathematica, Maple. • Project Management: Planning, organizing, and coordinating research projects from inception to completion. • Misc: Academic research, LATEX typesetting and publishing, Origin, reviewer of reputed International Journals like Springer and Elsevier.
Responsibilities held at the departmental level in college	•	• School Co-ordinator at VIT Bhopal University.
REFERENCES	•	• Dr. Neha Choubey Assistant Professor Sr. Mathematics Division, SASL, VIT Bhopal University, Kothri-Kalan, 466114, India. Phone : +91-

		9713606045 E-mail: neha.choubey@vitbhopal.ac.in • Dr. Suresh Dara Assistant Professor Mathematics Division, SASL, VIT Bhopal University, Kothri-Kalan, 466114, India. Phone : +91-7353268058 E-mail: suresh.dara@vitbopal.ac.in • Dr. Moin-Ud-Din Junjua Assistant Professor Department of Mathematics Zheijang Normal University, China. E-mail : moinuddin@zjnu.edu.cn