



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)

Faculty Name	Dr. R. BALAANANDHAN	
Academic Designation	ASSISTANT PROFESSOR	
Educational Qualification	M.Sc., M.Phil., Ph.D.	
Experience in Teaching & Industry	<input type="checkbox"/> 5-Year <input type="checkbox"/> 6-Months	
Date of Joining	01-12-2025	
Official Email ID		
Employee ID	180903	

Educational Details

FORMAL MODE OF EDUCATION				
Degree	Board/Institution	Mode of Education	Year Of Passing	Percentage of Marks
Ph.D. (Mathematics)	SRM Institute of Science and Technology	Full-Time	2025	Highly Commended
M.Phil. (Mathematics)	Thiruvalluavar University	Full-Time	2016	
M.Sc. (Mathematics)	Thiruvalluavar University,	Full-Time	2015	75
B.Sc. (Mathematics)	Madras University,	Full-Time	2013	74
HSC	State Board	Full-Time	2010	64
SSLC	State Board	Full-Time	2008	81

Professional Experience

Description	Board/Institution	Experience
Assistant Professor	Department of Mathematics, Sri Sankara Arts and Science College (Autonomous)- Kanchipuram 631561.	2017-21(4 Years)
Research Scholar	Department of Mathematics, College of Engineering and Technology, SRM Institute of Science and Technology- Kattankulathur Chengalpattu 603203..	2021-2024 (3 Years)
Assistant Professor	Department of Mathematics, Sri Sankara Arts and Science College (Autonomous)- Kanchipuram 631561.	2024-25 (1.6 Years)

Publications

1. **Balaanandhan R.**, Uma J., Siriluk Donganont, and C. Park (2025). Some Fixed Point Theorems in Dislocated Quasi Ultrametric Space Using Various Contractions. TWMS Journal of Pure and Applied Mathematics, 16(2), 2025. (SCIE, I.F. 3.6, Q1)
2. N.Uthirasamy, **Balaanandhan R.**, Kandhasamy Tamilvanan, Uma Jayaraman, and Masho Jima Kabeto (2025). New Common Fixed Point Results in Ultrametric Spaces Utilizing Various Contractions and Their Applications to Integral Equations. Journal of Mathematics, 2025(1), 5272058. (SCIE, I.F. 1.3, Q2)
3. GowriSenthil, N. Revathi, Siriluk Donganont, **Balaanandhan R.**, and Kandhasamy Tamilvanan (2025). Fixed Point Approach: Ulam Stability Results of a Quartic Functional Equation in Non-Archimedean Banach Spaces. Journal of Mathematics and Computer Science. (Scopus/WOS, Q1, Accepted)
4. Senthil, G., Donganont, S., Karthick, S., **Radhakrishnan, B.**, & Tamilvanan, K (2025). Hyers-Ulam Stability of Generalized Quartic Mapping in non-Archimedean (n,β) -normed spaces. European Journal of Pure and Applied Mathematics, 18(4), 6699-6699. (Scopus/WOS, Q3)

5. **Balaanandhan R.**, Uma J., Kandhasamy Tamilvanan, Khaled Suwais, and Nabil Mlaiki (2025). Uniqueness of Fixed Points for Multi-Valued Mappings in Orthogonal Ultrametric Spaces. *International Journal of Analysis and Applications*, 23 (2025), 221. (Scopus/WOS, Q3)
6. Kandhasamy Tamilvanan, Siriluk Donganont, **Balaanandhan R.**, and John Michael Rassias (2025). Stability of Quartic Functional Equation in Non-Archimedean IFN-Spaces. *International Journal of Analysis and Applications*, 23 (2025), 194. (Scopus/WOS, Q3)
7. **Balaanandhan R.**, Uma J., Shreefa O. Hilali, Tamilvanan K., Mohammed Alhagyan, Kameswari M., and Ameni Gargouri (2024). Coincidence Point Theorems on Partially Ordered Ultrametric Spaces via Extended Rational Contraction. *Journal of Mathematics*, Vol. 1 (2024), 8846076. (SCIE, I.F. 1.3, Q2)
8. Balaanandhan R., Uma J. (2024). Common and Fixed-Point Results for Ultrametric Spaces and Their Applications to Well-Posedness. *Asia Pacific Journal of Mathematics*, 11:42 (2024). (Scopus, Q4)
9. Almalki Y., **Balaanandhan R.**, Uma J., and Tamilvanan K. (2023). Some Common Fixed-Point Results in Modular Ultrametric Space Using Various Contractions and Their Application to Well-Posedness. *Mathematics*, 11(19), Paper No. 4077. (SCIE, I.F. 2.6, Q1)
10. **Balaanandhan R.**, Uma J. (2023). Fixed Point Results in Partially Ordered Ultrametric Space via p-Adic Distance. *IAENG Int. J. Appl. Math*, 53, 772–778. (Scopus, Q4)
11. **Balaanandhan R.**, Uma J. (2023). Some Fixed-Point Theorems on Quasi-2-Normed Spaces over Non-Archimedean Field. *AIP Conference Proceedings*, Vol. 2852, No. 1. AIP Publishing. (Scopus)

Patent Details:

1. Indian patent Filed and Published Patent No: 202441072280
 Title: Design System and Method for Determining Fixed Points and Common Fixed Points (CFP) in Ultrametric Spaces using p-adic Contractions
 Filed Date: 25/09/2024 Published Date: 04/10/2024
 Journal: The Patent Office Journal No. 40/2024 Dated 04/10/2024
2. Indian Patent filed and Published Patent No: 202441086543
 Title: A Method for Establishing Unique Fixed Points in Modular Ultrametric Spaces Using Rational Contractions

Filed Date: 10/11/2024 Published Date: 15/11/2024

Journal: The Patent Office Journal No. 46/2024 Dated 15/11/2025

3. Indian Patent filed and Published Patent No: 202541000486

Title: Enhanced Coincidence Points Framework for Self-Mappings in Partially Ordered Ultrametric spaces Using p-adic Extended Rational Contractions

Filed Date: 02/01/2025 Published Date: 10/01/2025

Journal: The Patent Office Journal No. 01/2025 Dated 10/01/2025

Reviewer for Journals

- ❖ Served as a peer reviewer for various international journals in Mathematics and Fixed-Point Theory and Computer science
- ❖ Evaluated research articles for quality, originality, and contribution to the field.
- ❖ Reviewed several manuscripts for SCI/SCIE/Scopus-indexed journals.

Conference Attended

Capacity Building	International	National	Communication & Collaboration
Conference	20	10	4-Presentations 26- Participations
Workshop	4	2	Participation
Symposium			
Seminar	2	2	Participation
FDP	2	2	Participation

Awards

- **Merit Award**, For Outstanding Student Performance in Department of Mathematics, Pachaiyappas College for men Kanchipuram (2010)
- **Merit Award**, For Outstanding Student Performance in Department of Mathematics, Pachaiyappas College for men Kanchipuram (2012)
- Intramural tournament Won first price in a chess tournament department-level sports competition at conducted Indo-American College in Cheyyar (2014, 2015)
- **Gold Medal**. For best Presentation in Research Day organized by SRM Institute of Science and Technology-Kattankulathur.
- **First Price**. For the Best Poster Presentation in Dr. Paarivendhar Research Colloquium Organized by SRMIST
- **Dr ABJ Abdul kalam Research Award** for publishing More no.of papers during research period.

Contact Details

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