

<b>Name: Dr R. Anbu</b>	<b>Photo</b> 			
<b>Designation:</b>	<b>Assistant Professor</b>			
<b>Qualification:</b>	M.Sc., B.Ed., Ph.D			
<b>Area of specialization:</b>	Automata Theory			
<b>Experience:</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
			<b>4 Years- 3 Months</b>	
<b>Number of workshops / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	<b>1</b>		<b>3</b>	
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
	<b>2</b>	<b>4</b>	<b>1</b>	<b>9</b>
<b>Books / Book Chapters</b>				
<b>Patents:</b>	<b>National</b>		<b>International</b>	
<b>Professional Body Membership</b>				
<b>Staff Achievements</b>				

## Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.,	Mathematics	2011	Srinivasan College of Arts and Science, Perambalur.	Bharathidasan University – Tiruchirappalli	66.16%	First Class
PG	M.Sc.,	Mathematics	2015	Srinivasan College of Arts and Science, Perambalur.	Bharathidasan University – Tiruchirappalli	65.65%	First Class
	B.Ed	Mathematics	2012	Dhanalakshmi Srinivasan College of Education, Perambalur.	Tamilnadu Teacher Education University	75%	First Class
	Ph.D	Mathematics	2021	Annamalai University	Annamalai University	-	

## Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Bharath Institute of Higher Education and Research-Chennai	Assistant Professor	21.09.2021	30.08.2024	2	11	9
Sri Sai Ram Engineering College, Chennai-44	Assistant Professor	02.09.2024	Still Now	1	3	18
				<b>4</b>	<b>2</b>	<b>27</b>

Workshops/Seminars attended: Workshops (1) and Seminars (2)

1. Participated in Two day National level workshop on Introduction to MATLAB for Scientific Computing and Engineering (IMSCE-2018) conducted by Department of Electronics and Instrumentation Engineering, Annamalai University.
2. Participated in One day State Level Seminar on NET/SET Preparation (2018) conducted by Department of Mathematics, G.T.N Arts College (Autonomous), Dindigul.
3. Participated in One day International Seminar on Emerging Trends in Computing Technologies (ISETCT - 2018) conducted by E.S Arts and Science College, Villupuram.

FDP/STTP Attended: 2

1. Attended the Five Days National Virtual Faculty Development Program On “ **Data Driven Decision Making: Applied Linear Algebra, Integrating Statistical Methods and Data Science in Research**” Organized by the Department of Mathematics in Association with IQAC & IIC, St. Joseph’s College(Arts & Science) from 23.09.2024 to 27.09.2024.
2. Attended the Five Days Virtual Faculty Development Program On “ **Recent Frontiers in Pure & Applied Mathematics**” Organized by the Department of Mathematics , Kongunadu Arts and Science College ( Autonomous) Under DBT Star College Scheme Between 11.11.2024 to 15.11.2024 through MS Teams.
3. Attended the Three Days “**Self-Funded Introductory FDP on Universal Human Values(UHV)- Approved AICTE**” Organized by Sri Sairam Engineering College, Chennai-44 from 04.12.205 to 05.12.2025.

Symposium Attended: NIL

Conference Attended: 6

1. Participated and presented a paper in International Conference on Recent Advancement in Pure and Applied Mathematics(ICRAPAM-2019)Organized by Ramanujan Research Centre, PG & Research Department of Mathematics, Government Arts College(Autonomous), Kumbakonam.
2. Participated and presented a paper in 2<sup>nd</sup> International Conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE-2020) conducted by School of Mathematics, Alagappa University, Karaikudi.
3. Participated and presented a paper in national Conference on Recent Trends in Science & Technology(NCRTST-2022) conducted by Department of Mathematics, Physics & Computer Science in St. Theresa’s Arts and Science College for Women, Tharangambadi.
4. Participated and presented a paper in Two days(13.02.2024 & 14.02.2024) International Conference on New Ideas in Technology and Organized by the Institution’s Innovation Council and Internal Quality Assurance Cell, Cauvery College for Women(Autonomous) Trichy.
5. Participated and presented a paper in Two days(16.04.2024 & 17.04.2024) 5<sup>th</sup> national Conference on Recent Trends in Mathematics & Its Application(NCRTMA’ 24) Organized by Department of Mathematics & The Matrix Club by SRM Institute of Science and Technology Vadapalani Campus, Chennai-26.
6. Participated and presented a paper in Two days(13.12.2024 & 14.12.2024) 1<sup>st</sup> International Conference on Applied Mathematical Sciences for Emerging Technologies-2024. Organized by Department of Mathematics by Dhanalakshmi Srinivasan University, Perambalur-621212, Tamilnadu, India.

Completed / Ongoing Projects: NIL

Patent: NIL

**Journal Publications: 10**

1. M. Rajasekar and **R. Anbu**, “*Periodic boundary condition for Von Neumann CA with radius 2*”, AIP Conference Proceeding, Vol . 2177(1), Dec 2019, pp. 1-10. *ISSN: 0094-243X (Scopus)*
2. M. Rajasekar and **R. Anbu**, “*Periodic boundary condition for Von Neumann CA with Radius -N*”, International Journal of Scientific & Technology Research, Vol . 8(11), Nov 2019, pp. 2413-2416. *ISSN: 2277-8616 (Scopus)*

3. M. Rajasekar and **R. Anbu**, “*Structure and Application of HCA in Image Analysis*”, Annals of Communication in Mathematics, Vol. 3(4), Dec 2020, pp. 293-302. [ISSN: 2582-0818](#)
4. M. Rajasekar and **R. Anbu**, “*Characterization of Uniform and Hybrid Cellular Automata with Reflecting Boundary*”, Journal of Physics: Conference Series, Vol. 1850, July 2021, pp. 1-12. [ISSN: 1742-6596 \(Scopus\)](#)
5. M. Rajasekar, Lekha Susan Jacob, Ullas Thomas and **R. Anbu**, “*Characterization of Uniform and Hybrid Fuzzy Cellular Automata with Null Boundary*”, Indian Journal of Natural Sciences, Vol. 12(71), Feb 2022, pp. 39421- 39427. [ISSN: 0976-0997 \(Web of Sci\)](#)
6. M. Rajasekar, Lekha Susan Jacob and **R. Anbu**, “*2D Hexagonal Finite Fuzzy Cellular Automata*”, Communications in Mathematics and Applications, Vol. 13(1), May 2022, pp.171-181. [ISSN: 0976-5905 \(Web of Sci\)](#)
7. M. Rajasekar and **R. Anbu**, “*Characterization of Uniform and Hybrid Cellular Automata with Null Boundary*”, Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, Vol. 12(2), Jun 2022, pp. 608-618. [eISSN:2587-1013 \(Scopus & Web of Sci\)](#)
8. M. Rajasekar, Lekha Susan Jacob, Ullas Thomas, **R. Anbu**, “*Characterization of 2D fuzzy cellular automata with Moore-Von Neumann neighborhood*”, AIP Conference Proceeding, Vol. 2852(1), Aug 2023, pp. 1-10. [ISSN: 0094-243X \(Scopus\)](#)
9. **R. Anbu**, Lekha Susan Jacob and T.S. Thilagavathi “*Von Neumann CA with Radius-N*”, *Palestine Journal of Mathematics*, Vol.14(SI.II), June 2025, pp. 300-304. (Scopus)
10. Lekha Susan Jacob, **R. Anbu** and T.S. Thilagavathi “*Dynamics of 1D Fuzzy Cellular Automata: Rule 22*”, *Palestine Journal of Mathematics*, Vol.14(SI.II), June 2025, pp. 94-101. (Scopus)

#### INVITED TALK:

**Talk Title** : An Application View in Mathematics

**Date** : 15.02. 2025

**Organization** : New Prince Shri Bhavani Arts and Science College, Madavakkam, Chennai.

#### Books / Book Chapters:

1. Lekha Susan Jacob, **R. Anbu** and M. Rajasekar, “*Game of Life Using Fuzzy Cellular Automata with Von Neumann and Moore Neighborhood*” Proceeding of International Conference on Theoretical and Applied Computing (Conference Paper), Springer Nature (BOOK SERIES: Algorithms for Intelligent Systems), Feb 2025, pp 119-126. Online ISBN 978-981-97-6957-5.

Awards: NIL

Startup: NIL

Webinar: NIL

Resource Person: NIL

Online Courses: NIL