

<b>Name:</b>  <b>Dr.V.RAJESWARI</b>													
<b>Designation:</b>	ASSOCIATE PROFESSOR												
<b>Qualification:</b>	M.Sc.M.Phil,P.hd												
<b>Area of specialization:</b>	ALGEBRA												
<b>Experience:</b>	<table border="1"> <tr> <td><b>Industrial Experience</b></td> <td><b>Teaching Experience</b></td> </tr> <tr> <td><b>NIL</b></td> <td><b>13 Years 10 Months</b></td> </tr> </table>	<b>Industrial Experience</b>	<b>Teaching Experience</b>	<b>NIL</b>	<b>13 Years 10 Months</b>								
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<b>Number of workshops / FDP attended:</b>	<table border="1"> <tr> <td><b>Number of Workshops</b></td> <td><b>Number of FDPs</b></td> </tr> <tr> <td><b>4</b></td> <td><b>19</b></td> </tr> </table>	<b>Number of Workshops</b>	<b>Number of FDPs</b>	<b>4</b>	<b>19</b>								
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<b>Publications:</b>	<table border="1"> <tr> <td colspan="2"><b>Conference</b></td> <td colspan="2"><b>Journal</b></td> </tr> <tr> <td><b>National</b></td> <td><b>International</b></td> <td><b>National</b></td> <td><b>International</b></td> </tr> <tr> <td><b>2</b></td> <td><b>0</b></td> <td><b>7</b></td> <td><b>0</b></td> </tr> </table>	<b>Conference</b>		<b>Journal</b>		<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>0</b>
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<b>Books / Book Chapters</b>	Applied Numerical Methods (ISBN 978-93-5757-877-6)												
<b>PATENTS</b>	<ol style="list-style-type: none"> <li>1. EFFECTIVE COMPUTATIONAL TECHNIQUES FOR RESOLVING NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS-22.12.2023</li> <li>2. A SYSTEM AND METHOD FOR IMPACT OF HUMANITIES TO BENEFIT HUMAN SOCIETY-20.10.23</li> </ol>												
<b>Professional Body Membership</b>	<ol style="list-style-type: none"> <li>1. ISTE Membership: LM 128036,</li> <li>2. IEEE No: 98674435</li> <li>3. The Society of Digital Information and Wireless Communications (SDIWC)</li> <li>4. All India Council For Technical Skill Development</li> <li>5. National Institute for Technical Training and skill Development</li> </ol>												
<b>Staff Achievements</b>	<ol style="list-style-type: none"> <li>1. NPTEL DISCIPLINE STAR</li> <li>2. NPTEL DOMAIN SCHOLAR</li> <li>3. NPTEL TOP PERFORMING MENTOR</li> <li>4. Completed certified course Post Graduate Programme in "Data Science and Business Analytics" in Great Lakes.</li> <li>5. Completed NITTTR -8 modules</li> <li>6. Undergone Innovation Ambassador training (Advanced Level) conducted by MoE's Innovation Cell &amp; AICTE during the period from 30th June - 30th July 2021 in online mode.</li> </ol>												

## 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	12/04/2000	SDNB VAISHNAV COLLEGE	UNIVERSITY OF MADRAS	77	FIRST
PG	M.Sc	Mathematics	24/04/2002	MEENAKSHI COLLEGE	UNIVERSITY OF MADRAS	87	FIRST
	M.Phil	Mathematics	25/08/2004	PACHAIYAPPAS COLLEGE	UNIVERSITY OF MADRAS	72	FIRST
PhD	Ph.D	Algebra	26/12/2016	PACHAIYAPPAS COLLEGE	UNIVERSITY OF MADRAS	-	

## Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
PACHAIYAPPA'S COLLEGE	Lecturer	16/07/2004	10/04/2005	-	8	28
MEENAKSHI COLLEGE FOR WOMEN	Assistant Professor	18/06/2008	25/04/2012	3	10	12
SRI SAI RAM INSTITUTE OF TECHNOLOGY	Associate Professor	16/06/2016	30/6/2025	9	-	14
SRI SAI RAM ENGINEERING COLLEGE	Associate Professor	01/07/2025	Till Date	-	3	-
<b>Total Experience</b>				<b>13</b>	<b>10</b>	<b>24</b>

## List of Publications: -

1. Journal of Ultra Scientist of Physical Sciences, "Groupoid Matrix Semirings and their Properties", Volume 27(B), 85-94(2015).
2. Journal of Ultra Scientist of Physical Sciences , " Groupoid Semirings which satisfy special identities", Volume 27(2)A, 127-134(2015).
3. Journal of Ultra Scientist of Physical Sciences, "Groupoid Semirings using Chain Lattices as Semirings", Volume 27(3)B, 185-194(2015).
4. Journal of Ultra Scientist of Physical Sciences, "Matrix Groupoids" , Volume 27(3)A, 225-262(2015).
5. Journal of Emerging Technologies and Innovative research, "Rainbow detour connections of graphs and Hamilton-Connected Properties", Published in Volume 10 Issue 7 , July-2023 | Date of Publication: 2023-07-04

“On Hamilton-connectedness and detour concepts of Generalized Sierpin'ski Graphs”

7. African Journal of Biological Science, Volume 6, Issue 14, Aug 2024, “Establish a Novel Mathematical Model-based Smart Health Monitoring System”.

### **Workshop / Conferences / FDP Attended:-**

1. International conference on “Semigroup Algebras and applications” during 17-19 Sep 2015, organized by Cochin University of Science and Technology.
2. National level FDP on “Teaching Excellence in Engineering and Management Curriculum” held on 20-21, June 2016.
3. Attended Five days FDP on “Engineering Teaching Pedagogy and Effective learning Techniques” held from 3-7 December 2018.
4. National workshop in “Linear Algebra 2020” during 1-2 June 2020 organized by SSN college of Engineering.
5. Workshop on “Best practices of ICT tools in Teaching and learning” conducted by Paavai Engineering college on 29.8.2020.
6. Five day Faculty development Program on “Hands-on training in Latex” organized by Kongu Engineering college during 28-2 October 2020.
7. Fiveday online workshop on “Mathematical science for CSIR Net/Set/Gate” during 11-15 May 2020, organized by Sree Narayana Mission.
8. Fiveday online FDP on “Inculcating human values in Technical Education” organized by AICTE during 19-23 April 2021.
9. One week International FDP on Applicable Mathematics and Programming in Science and Technology” conducted by Department of Mathematics from 7-6-2021 to 12-6-2021.
10. “Three day National level Workshop on MATLAB for beginners” organized by the Department of Mathematics from 28.07.2021 to 30.07.2021
11. Six day FDP training programme on “Algebra and number theory” organized by Center for faculty development, Anna University from 24-29, May 2021.
12. Faculty Development Programme on “**CONFORMAL MAPPING IN COMPLEX ANALYSIS**”, organised by DEPARTMENT OF MATHEMATICS in association with INTERNAL QUALITY ASSURANCE CELL & SIR C. V. RAMAN RESEARCH COLLOQUIUM, College of Science & Humanities, SRM Institute of Science & Technology, Vadapalani.
13. Six day FDP training programme on “Linear Algebra And Partial differential equations” organized by Center for faculty development, Anna University from 11-16, July 2022.
14. Two Week Online International Faculty Development Programme on "Current Trends in Applications of Mathematics", organized by the Department of Mathematics, School of Sciences and Humanities, Vel Tech

Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai-62, Tamil Nadu, India from 21-09-2022 to 04-10-2022

15. Six day FDP training programme on “Mathematical foundation on data mining & data science ” organized by Ananth Gyan knowledge and skills private limited from 21-26, October 2024.
16. Nptel Worshop on Forecasting using Machine Learning Tools on 7th June 2025.
17. Attended IEEE Education Society Boot camp on LXD-20-21-June 2024
18. Two week online Short Term Training Program (STTP) on “Mastering Research Writing & IntellectualProperty : A Comprehensive Approach to Academic Success” approved by ISTE, held during 08th July 2024 to 18th July 2024, organized by Department of MechanicalEngineering at STES’s Sinhgad College of Engineering, Pune, Maharashtra.
19. Five-Day International Online FDP on Exploring Recent Trends in Applied Mathematics and Machine Learning held from 20th May 2024 to 24th May 2024 by Department of Mathematics at Koneru Lakshmaiah Educational Foundation(Deemed to be University), Bachupally Campus, Hyderabad.

### **Workshops/Seminar/FDP Organized:-**

Organized a seminar on “Journey to become an Entrepreneur” for SIT- INSTITUTION’S INNOVATION **COUNCIL - IC201811089** on **20.02.2023**.

### **Books / Book Chapters:**

Applied Numerical Methods (**ISBN** 978-93-5757-877-6)

### **Online Courses:**

Successfully Completed Post Graduate Program in “Data Science and Business Analytics” by Great Lakes Executing Learning in Collaboration with University of Austin, Jan 2023.

