


<b>Name:</b>  <b>Ms. N.AISHWARYA</b>				
<b>Designation:</b>	<b>ASSISTANT PROFESSOR</b>			
<b>Qualification:</b>	M.sc.,M.Phil.,PGDSBA.,(Ph.D)			
<b>Area of specialization:</b>	DATA SCIENCE			
<b>Experience:</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	NIL		13 Years 2 Month	
<b>Number of workshops / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	5		20	
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
	0	4	2	4
<b>Professional Body Membership</b>	1.IEEE Membership 2.ISTE Membership 3.National Institute For Technical Training & Skill Development			
<b>Staff Achievements</b>	1. NPTEL DISCIPLINE STAR 2. NPTEL DOMAIN SCHOLAR 3. NPTEL TOP PERFORMING MENTOR 4. COMPLETED SET EXAM IN 2017. 5. Completed the Data Analytics Project called "Greenery Sustainable Analysis using Data Analytics" from 03.10.2022 to 31.03.2023 at Para Projects, Chennai office. 6. Undergone Innovation Ambassador training (Advanced Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.			

## Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc	Mathematics	2009	BHARATHIDASAN UNIVERSITY	83%	FIRST CLASS WITH DISTINCTION
PG	M.Sc	Mathematics	2011	UNIVERSITY OF MADRAS	91.25%	FIRST CLASS WITH DISTINCTION
	M.Phil	Mathematics	2013	UNIVERSITY OF MADRAS	93%	FIRST CLASS
	PGDSBA	DATA SCIENCE AND BUSINESS ANALYTICS	Jan 2023	GREAT LAKES EXECUTING LEARNING IN COLLABORATION WITH UNIVERSITY OF AUSTIN	85%	FIRST CLASS
PhD	Ph.D	DATA SCIENCE	PERSUING	ANNA UNIVERSITY	-	-

## Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience
Sri Sairam Institute of Technology	Assistant Professor	1/08/2013	Till Date	12 years 4 months
Mookambigai College of Engineering	Lecturer	16/08/2012	4/6/2013	10 Months

**Anna University Research Supervisor Ref no: NIL**

### Workshops/Seminars attended:

1. Participated in the Technical Workshop for NPTEL STARS held on 6<sup>th</sup> July 2025.
2. “Three day National level Workshop on MATLAB for beginners”.
3. Launch Club & Workshop held on June 26, 2021 organized by the NDLI Club of SRI SAI RAM INSTITUTE OF TECHNOLOGY NDLI Club.
4. Workshop On BEST PRACTICES OF ICT TOOLS IN TEACHING AND LEARNING Conducted by the Department of Mathematics, Paavai Engineering College (Autonomous), Namakkal on 29.08.2020.
5. Five Days international Workshop on Deep learning conducted by BITs Pilani, Hydrabad.

6. Participated in One week Online Workshop on “Unlock Data Analytics With Mathematics and Python” held from June 10<sup>th</sup> to 15<sup>th</sup>, 2024.

**FDP/STTP Attended:**

1. FDP on “LINEAR TRANSFORMATION AND ITS APPLICATIONS”.
2. “Faculty Development Programme” on “Recent Trends in Advanced Mathematics” organized by Department of Mathematics, School of Basic Sciences, VELS Institute of Science, Technology and Advanced Studies (VISTAS) held on 10.02.2021.
3. "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.
4. 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 28 June, 2021 to 2 July, 2021.
5. FDP on "Role of Mathematics in Future Technologies" from 2021-07-12 to 2021-07-16 at Stanley College of Engineering and Technology for Women.
6. Two Week Faculty Development Programme on “Research Advances in Mathematics and its Applications” organized by the Department of Mathematics, Sathyabama Institute of Science and Technology, Chennai, from August 2 to August 14, 2021.
7. Successfully completed five days FDP on COVID-19 PANDEMIC conducted by Karpagam college of engineering from 4-5-2020 to 8-5-2020.
8. National Level three days Faculty Development Programme organized by the Department of Mathematics, Easwari Engineering College (Autonomous), Chennai-600089, from October 21st, 2021 to October 23<sup>rd</sup> 2021.
9. Six-day Faculty Development Training Programme on “Linear Algebra and Partial Differential Equation.”
10. Five Days Faculty Development Programme on “Machine Learning in healthcare”.
11. Five Days international FDP on “Applications and Techniques in Mathematics, conducted by Department of Science and Humanities, Sri Sairam Institute of Technology from 20.7.2020 to 24.7.2020.
12. Attended FDP on "Artificial Intelligence and Machine Learning using Python" from 2020-8-31 to 2020-9-4 at Govind Ballabh Pant Institute of Engineering & Technology.
13. Attended AICTE FDP on “Predictive Modelling and Data analysis using Python based Machine Learning Techniques.
14. Online FDP on "Artificial Intelligence and Machine Learning using Python" from 2020-8-31 to 2020-9-4 at Govind Ballabh Pant Institute of Engineering & Technology.
15. Participated in Five Days FDP on “Hands on Training in Latex”, organised by the department of Mathematics, Kongu Engineering College, Perungudi.
16. Attended six-day Faculty Development Training Programme on in online mode by the Department of Mathematics at Sri Sairam Engineering College from 11.7.2022 to 16.07.2022.
17. Participated in Five days FDP on “Machine Learning in Healthcare” held from 9.1.2023 to 13.1.2023.

18. Participated in the One Week International Faculty Development Programme on "Mathematics in Real, Applied and Computational Domains" organized by the Department of Mathematics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai, from 3 to 8 July, 2023.
19. Participated in IEEE Madras Section Sponsored % days FDP on “ Emerging Trends in Artificial Intelligence and Deep Learning” held from 26.12.2023 to 30.12.2023.
20. Participated in the One Week International Faculty Development Programme on "Mathematics in Real, Applied and Computational Domains" organized by the Department of Mathematics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai, from 3 to 8 July, 2023.

#### **Workshop / Conferences / FDP Organized:**

1. Conducted an Fun filled events for Government School students “ kannakidu villayadu” on 28.11.2023.
2. Conducted National mathematics day in remembrance of 135<sup>th</sup> birth anniversary of Srinivasa Ramanujan on 22.12.2022.
3. Conducted Workshop on “Dream Builders” on 19.01.2023.
4. Organized a Seminar on “FOURIER TRANSFORMS AND ITS APPLICATION IN COMMUNICATION SYSTEM” on 27<sup>th</sup> November 2023.
5. Conducted a HANDS ON CODING- TRAINING “GETTING STARTED WITH PYTHON PROGRAMMING- A MATHVIEW APPROACH” on 29<sup>th</sup> November 2023.
6. Organized “Maths Marvel Fest” in remembrance of 136<sup>th</sup> birth anniversary of Srinivasa Ramanujan on 22.12.2023.

#### **Symposium Attended: Nil**

#### **Conference Attended:**

1. Presented a paper titled “Enhancing Bus Arrival Alert and Crowd optimised Frequency”, ICCCT’25, Department of Information Technology, Sri Sairam Engineering College.
2. Presented a paper titled “DIGITAL ID CARD”, ICPECTS 2024, held on 8<sup>th</sup> and 9<sup>th</sup> November 2024, Department of EEE, Sri Sairam Engineering College.
3. Presented a paper titled “An IOT Integrated Smart Prediction of Wild Animal Intrusion in Residential Areas Using Hybrid Deep Learning with Computer Vision” in the international conference on Intelligent Computing and Next Generation Wireless Networks (ICNGWN – 2023) held on October 19-20, 2023, Sri Venkateswara College of Engineering.
4. Presented a Paper “IoT based vehicle Tracking and Monitoring System using Smart Application”, First International Conference on “Intelligent Computing and Control for Engineering and Business Systems (ICCEBS’23) held during 14<sup>th</sup> and 15<sup>th</sup> December 2023, Sri Sairam Engineering College.

## Completed / Ongoing Projects:

1. Completed the Data Analytics Project called "Greenery Sustainable Analysis using Data Analytics" from 03.10.2022 to 31.03.2023 at Para Projects, Chennai office.

## Patent:

1. A System and Method for Impact of Humanities to Benefit Human Society.
2. Uses of Novel Q-Calculus in Faber Polynomial Expansion for Analytical Bi-Close-To-Convex Functions.
3. Machine Learning-Enhanced Mathematical Model for Efficient Energy Distribution.
4. Linear Algebra, Graph Theory, and Machine Learning Techniques for Real-Time Image.

## Internship Attended:

1. Successfully completed online Internship in "RESEARCH TRAINING" from 25.09.2023 to 25.10.2023 (One Month)

## Journal Publications:

1. GA, S., Prabha, R., Aishwarya, N., Asha, R. M., & Prabu, S. (2024). An IoT Integrated Smart Prediction of Wild Animal Intrusion in Residential Areas Using Hybrid Deep Learning with Computer Vision. *EAI Endorsed Transactions on Internet of Things*, 10.
2. Lokesh, G., Kumar, P. N., Aishwarya, N., Parthiban, P., & Ponshanmugakumar, A. (2023). Experimental study of the effect of water reducing admixtures on concrete. *Materials Today: Proceedings*.
3. Premanand, R., Sundari, K. T., Aishwarya, N., & Karthikeyan, B. (2023). An experimental analysis on the replacement of fine aggregate by manufacture sand. *Materials Today: Proceedings*.
4. S. A. Jebamani, N. Aishwarya, T. A. M, S. A and G. S, "Enhancing Bus Arrival Alert and Crowd Optimised Frequency," *2025 International Conference on Computing and Communication Technologies (IC CCT)*, Chennai, India, 2025, pp. 1-6, doi: 10.1109/IC CCT63501.2025.11020062.
5. S. A. Jebamani, Devi D, Saraswathi V, Aishwarya N, Rajesh N, K U A Abdul Kalam, "IoT Based Vehicle Tracking and Monitoring System Using Smart Application," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 1-6, doi: 10.1109/ICCEBS58601.2023.10449145.
6. S. A. Jebamani, N. Aishwarya, Dharanya D; Priyadharshini D, "Digital ID Card," *2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)*, Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICPECTS62210.2024.10780328.

## Books / Book Chapters:

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

## Awards:

1. NPTEL DISCIPLINE AWARD

2. NPTEL DOMAIN SCHOLAR
3. BEST MENTOR AWARD FROM NOVEL RESEARCH ACADEMY FOR THE ACADEMIC YEAR 2022-2023
4. BEST INNOVATIVE TEACHING AWARD BY KNOWLEDGE RESEARCH ACADEMY, COIMBATORE, TAMIL NADU (AN MSME REGISTERED ORGANIZATION).
5. NPTEL TOP PERFORMING MENTOR.

**Startup: NIL**

**Resource Person: NIL**

**Online Courses:**

1. Successfully Completed Post Graduate Program in “Data Science and Business Analytics” by Great Lakes Executing Learning in Collaboration with University of Austin, Jan 2023.
2. Successfully completed the course “Machine Learning Certification Course for Beginners”, by Analytics Vidhya, 9.1.2023.