Name :	Dr.T.Thendral	
Designation :	Assistant Professor	
Department :	Computer Science (PG)	
Qualification :	M.Sc.,M.Phil.,Ph.D.	
Experience : Teaching	13 Years	
Research :	10 Years	
Area of Specialization(s) :	Data Mining, Machine Learning, Image Processing,	
Email(Official ID) :	thendral@psgrkcw.ac.in	

Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Computer Science	PSGR Krishnammal College for Women, Bharathiar University	2019
M.Phil.	Computer Science	R.V.S. College of Arts and Science, Bharathiar University	2011
M. Sc.	Computer Science	E.M.G Yadav Women's College, Madurai Kamaraj University	2005
B.Sc.	Computer Science	Saradha Nikethan College for Women, Madurai Kamaraj University	2003

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/AgencyName	Year
1.	Microsoft Azure AI Engineer 2025	ICT Academy, Ministry of Electronics & Information Technology, Government of India	2025
2.	Introduction to Augmented Reality and ARCore	Courseera	2025
3.	Oracle Cloud Infrastructure 2023 Certified Foundations Associate	Oracle University	2023

4.	Field implementation on Oracle Cloud Infrastructure(OCI)	Eduvate-ORACLE	2023
5.	Data Analytics Using R and Tableau	Brainswing Edutech Pvt Ltd, Chennai	2023
6.	J2EE (STG)	Software Technology Group, Chennai	2005
7.	Java Fundamentals and Java Programming	Oracle Academy course	2023
8.	Oracle Academy Instructor	15 students completed certification in Oracle Academy course under my guidance	2023
9.	Software Testing	SPAN technology services	2017

Research Guidance

Programme	Guidance
Ph.D.	24.06.2024
M.Phil.	25.01.2016

Research Publications (Indexed)

1. Dr.T.Thendral, Integrating AI and Blockchain for Cybersecurity Insurance in Risk Management for Predictive Analytics in Insurance, Book Chapter, IGI Global Scientific Publishing, Sep 2025, **Scopus Indexed**. DOI: 10.4018/979-8-3373-1882-0.ch013

2. T.Thendral, Biographer Credentials Is Dreamt up by Consuming The Geographies, Journal of Pharmaceutical Negative Results, Volume-13, Special Issue 7, December 2022, **(Scopus Indexed)**

3. T.Thendral, Machine Learning Based Text Classification Using Probabilistic Neural Network, International Journal of Applied Engineering & Technology, Vol-6, No-1, January 2024 **(Scopus Indexed)**

4. T.Thendral, Traditional SVM Kernel Compared With Proposed PCK SVM Kernel In Tamil Writer Identification, *Journal Of The Oriental Institute*, ISSN: 0030-5324, Volume- 72, Issue 05, No.11, 2023 **(UGC Carelist)**

5. Dr.P.Dhanalakshmi, Dr. T. Thendral, Machine Learning Algorithms In Disease Detection-An Overview, Industrial Engineering Journal, ISSN: 0970-2555. Volume: 52, Issue 10, No. 3, October: 2023, **(UGC Carelist)**

6. T.Thendral, Supervised Learning Approach for Tamil Writer Identity Prediction Using Global and Local Features, *International Conference on IT and Intelligent Systems (ICITIS'2013), International Conference Proceedings of PSRC*, **Penang (*Malaysia*)**, August 28-29, 2013

7. T.Thendral, Analysis of Tamil Character Writings and Identification of Writer Using Support Vector Machine, *IEEE International Conference on Advanced Communication Control and Computing Technologies (ICACCCT)*, **IEEE Xplore Digital Library**, 2014

8. T.Thendral, Discovering Tamil Writer Identity Using Global and Local Features of Offline Handwritten Text*, International Review on Computers and Software (IRECOS), Italy*, Vol. 8 No 9, Page 2080 – 2087, 2013

9. T.Thendral, Prediction of Writer Using Tamil Handwritten Document Image Based on Pooled Features, *World Academy of Science, Engineering and Technology, International science index*, Vol. 9, No. 6, Page 1481 – 1487, 2015

10. T.Thendral, Detection of a Person Using Descriptive Features of Tamil Handwriting and Pattern Learning, *International Journal of Applied Engineering Research,* ISSN 0973-4562, Volume 10, Number 21 (2015), pp 41902-41909, **(Scopus Indexed)**

11. T.Thendral, Identifying Student Capacity to Improve Academics Performance using Classification Algorithm, *International Journal of Computer Science*, Volume 5, Issue 1, No 17, pp 1480 – 1487, 2017

12. T.Thendral, Bayesian Linear Regression Co-efficient for SVM linear kernel to identify writers, *Journal of Advanced Research in Dynamical and Control Systems (JARDCS),* Vol. 10, 01-Special Issue, 2018, **(Scopus Indexed)**

13. T.Thendral, An Efficient Convolutional Neural Network Based Classifier to Predict Tamil Writer, *Periodicals of Engineering and Natural Sciences,* ISSN 2303-4521, Vol.6, No.1, June 2018, pp. 285-295, **(Scopus Indexed)**

14. T.Thendral, Hybrid Linear Kernel With PCA In SVM Prediction Model of Tamil Writing Pattern, *International Journal of Simulation Systems, Science & Technology*, Volume 19, Number 4, Page 1, August 2018, **(Scopus Indexed)**

15. T.Thendral, Linear Kernel with Weighted Least Square Regression Co-efficient for SVM Based Tamil Writer Identification, *International Journal of Recent Technology and Engineering (IJRTE),* ISSN: 2277-3878, Volume-8, Issue-2, July 2019, **(Scopus Indexed)**

Other Publications: International

1.   Dr.T.Thendral, Ms .M.Preethi **presented a paper** in Optimized VGG16 with Adaptive Dropout for Integrated Pest Management in Agriculture, 5th International Conference on "Advanced Technologies for Societal Applications: Techno-Societal 2024", held at Shri Vithal Education & Research Institute (SVERI), Pandharpur, India during 13th – 14th December 2024.

2. Dr.T.Thendral, Dr.R.Kowsalya **presented a paper** in Secure and Reliable Route Discovery Model for Safe Route Discovery in Mobile Networks, 5th International Conference on "Advanced Technologies for Societal Applications: Techno-Societal 2024", held at Shri Vithal Education & Research Institute (SVERI), Pandharpur, India during 13th – 14th December 2024.

3. Ms. Reshma S M, Dr.T.Thendral **presented a paper** in Predictive Analytics For Monitering Public Engagement In Digital Library, International Conference on "Intelligent Automation and Next Gen Innovations ", ATNEXGEN'25, Paper IC-CSDA-002, ISBN: 978-93-341-8766-3, Page no:264-269.**(Best Paper Award – Third Prize)**

4. Dr.T.Thendral and Sathaarnika.R.S **presented a paper** in International Conference on Recent Trends in Computer Science ICRTCSDA'24 on Optimizing Cloud Gaming Performance Through Edge on February 02, 2024.

5. Dr.T.Thendral and team of students **presented a paper** in International Conference on Applications of Artificial Intelligence in Social Work Practice on "Artificial Intelligence In Healthcare Using Smart Devices", Sri Ramakrishna College of arts and Science, Coimbatore, 25.09.23

6. Dr.T.Thendral and team of students **presented a paper** in International Conference on Applications of Artificial Intelligence in Social Work Practice on "Virtual psychiatrist Basedon Artificial Intelligence", Sri Ramakrishna College of arts and Science, Coimbatore, 25.09.23

7. Thendral T **presented a paper** in International Conference Emerging Social, Mobile, Analytics and Cloud (e-SMAC 2018) on *"Classification and Evaluation of Facial Expression",* Sri Ramakrishna College of arts and Science for Women, Coimbatore, 24th January, 2018

8. Thendral T **presented a paper** in International Conference on Advancements in Computing Resources (SSICACR - 2017) on **"***Identifying Student Capacity to Improve Academics Performance using Classification Algorithm",* Alagappa University, Karaikudi, 15th – 16th February 2017

9. Thendral T **presented a paper** in Seventh National Conference in Innovations in Information Technology (NCIIT 2016) on *"Wireless Communications",* Bannari Amman Institute of Technology, 25th &26th February 2016

10. Thendral T **presented a paper** in Advanced Trends in Information Technology on "*Journals are to be referred for researchers to choose according to their own areas in computer science",* DR.N.G.P Arts and Science College, Coimbatore, 21 February 2013

11. Thendral T **presented a paper** in National Conference on Computer Communication and Informatics (NCCCI 2011), *"Rainfall Formation has been Analyzed using Artificial Neural Network",* R.V.S. College of Arts and Science, Sulur, Coimbatore, 11th February 2011

12. Thendral T **participated** in National Conference on Advances in Applied Mathematics (NCAAM-2011), Bharathiar University, 20th & 21st January 2011

13. 10. Thendral T **presented a paper** in International Conference on Emerging Trends in Computing (ICETC – 2011), "Analyzing Statistical Approaches and Artificial Neural Network to Predict the Rainfall", Sri Ramakrishna Engineering College, Coimbatore, 17 -18 March 2011. Conference proceedings published by "Sri Garuda Publications", ISBN: 978-93-80769-04-2

14. 11. Thendral T **presented a paper** in National Conference on Recent Trends in Teachers Education, "*Importance of Special Education in Teachers Education", Jai Sai College of education*, Tiruchirappalli, 30th April – 1st May 2010

15. 12. Thendral **T presented a paper** in Second National Conference on Advanced Computing (NCAC'10), "*Prediction of Rainfall using Artificial Neural Network*", D. J. Academy for Managerial Excellence, Othakkalmandapam, Coimbatore, 24th & 25th September 2010. Conference proceedings published by "Esswar Publications", ISSN: 0975-0290

Book Published

- Book published entitled "Data Science using Python Programming"

Book Chapter Published

- Chapter Published in a book entitled "Cyber Security"

Acted as a Resource Person

- "The Rise of Artificial Intelligence: Opportunities and Challenges", **Acted as Resource Person** in Webinar, Department of Computer Science with AI Nirmala College for Women on 23.07.25 at Online Platform

- "Smart Access to Smart Creation", **Acted as Resource Person** in Workshop, PG & Research Department of History, Nirmala College for Women on 16.09.25

Participation in Workshop/ Faculty Development Programme

1. Dr.Thendral attended Training Program, Artificial Intelligence, NoviTech R&D Private Dr Limited, January 01st 2025.

2. Dr.T.Thendral attended Faculty Development AI Powered Learning : Shaping the Future of Education, 20.01.2025 – 25.02.2025 (Six Days), Vivekanandha Arts & Science College for Women, Sankari , Salem,

3. Thendral T attended Faculty Development Program on "Modern Research Convergence in Next Generation Computing" Organized by Sri Krishna College of Engg and Technology, Coimbatore, 18.12.2023 - 22.12.2023

4. Thendral T attended Faculty Development Program on "Fundamentals of Coding and Cloud" Organized by Bharathiar University , Coimbatore, 26.07.23 - 28.07.23

5. Thendral T attended Faculty Development Program on "Python Programming" Organized by Pantech e-Learning Pvt Ltd, Chennai, 10.05.2023 to 10.06.2023

6. Thendral T attended Faculty Development Program on "Personality Grooming - Handling Stress and Emotional Intelligence", Organized by PPG College of Arts and Science, Coimbatore, 02.01.2023 to 06.01.2023.

7. Thendral T attended Faculty Development Program on "Research Advancement in Intelligent Computing Technologies" Organized by Sri Krishna College of Engineering and Technology, 19.12.2022 to 23.12.2022.

8. Thendral T attended Faculty Development Program on "Workshop on Python Programming" Organized by Government Arts and Science College, Gudalur, 03.12.2022

9. Thendral T attended Pre-Conference Workshop on "Advancements in Smart Computing & Information Security" Organized by Marwadi University, Gujarat, Nov 24, 2022.

10. Thendral T attended Pre-Convention Tutorial on "Deep Learning and Game Theory for Computer Science" Organized by Computer Society of India held at PSG College of Technology, Coimbatore, 22nd January 2017

11. Thendral T attended workshop on "Predictive Data Analytics using Python & R", Sri Ramakrishna Engineering College, Coimbatore, 14th – 15th September 2017

12. Thendral T attended Faculty Development Program on "Data Science & Big Data Analytics", ICT Academy, KPR Institute of Engineering and Technology, 05 June to 09 June 2017

13. Thendral T completed "EMC Academic Associate, Data Science and Big Data Analytics", June 09, 2017

14. Thendral T attended national workshop on "Computer Vision and Image Processing Techniques (NWCVIPT 16)", Amrita Vishwa Vidhyapeetham, Coimbatore, 18th – 19th March 2016

15. Thendral T attended TEQIP – II sponsored Research Workshop on "Deep Learning", PSG College of Technology, Coimbatore, 7th October 2016

16. Thendral T attended workshop on "Research Methods and Research Directions in Computer Science" at GR Govindarajulu School of Applied Computer Technology, 18-19 February 2015

17. Thendral T attended "ICTACT – Bridge 2015- Coimbatore Edition", Hotel Le Meridian, Coimbatore, 26th June 2015

18. Thendral T attended workshop on "Outcome based Teaching-Learning Systems", GRG School of Management Studies, Coimbatore, 26-27 September 2014

19. Thendral T attended workshop on "Big Data Analytics Tools", GR Govindarajulu School of Applied Computer Technology, 24-25 January 2014

20. Thendral T attended workshop on "LATEX", PSGR Krishnammal College for Women, 6-7 March 2013

21. Thendral T attended workshop on "Social Network Mining and sentiment Analysis", GR Govindarajulu School of Applied Computer Technology, 4-5 January 2013

22. Thendral T attended workshop on "Current Trends and Directions in Computer Science Research", Three days Science Academies Lecture Worshop, DR.N.G.P Arts and Science College, Coimbatore, 3 – 5 Oct 2013

23. Thendral T attended National Seminar on "Security Challenges in Wireless Communications", PSGR Krishnammal College for Women, 12th January 2012

24. Thendral T attended two days' workshop on "Optimization Techniques for Image Processing", School of Computer Science and Engineering, Bharathiar University, March 9-10, 2012

25. Thendral T attended One day workshop on "eContent Development Skills for Teachers", ICT Academy of Tamilnadu in association with India Infotech Solution, Bharathiar University, Coimbatore, February 2011

26. Thendral T attended two days Faculty Development Programme on "Essentials of C#", ICT Academy of Tamilnadu, Bharathiar University, Coimbator, February 2010

Indexing and Citations

- **Socpus id:** h-index: 3, Citations: 9
- **Google scholar:** h-index: 4, Citations: 31

Contribution

- **Worked as a member** in National workshop on *"Predictive Analytics of Environmental Changes in Remote Sensing",* PSGR Krishnammal College for Women*, Jan 22-23, 2018*

- **Worked as a member** in SERB sponsored three day National level workshop on "*Big data analytics-techniques and tools*", PSGR Krishnammal College for Women, Jan 10 - 12, 2017

- **Worked as a member** in DRDO sponsored workshop on "*Data Analytics in Wireless Sensor Networks"*, PSGR Krishnammal College for Women , 28-29 Jan 2016

- **Worked as a member in** Science Academies Sponsored Lecture Workshop on *"Recent Trends in Machine Learning",* PSGR Krishnammal College for Women, 9-11, Feb 2016

- **Worked as a member** in 14 days Faculty Development Programme on *"Entrepreneurship",* November 1-14, 2016

- **Worked as a member** in National Seminar on *"Research in Computers: Why, What and How?"*, Department of Computer Application, Bharathiar University, 13th December 2010

- **Organized** various activities like Guest Lectures, Certified Online Courses to students and Industrial Visit to students. Involved in various activities like OBE Syllabus framing, Admission and so on. Act as Alumni Co-Coordinator, Association In-Charge in the department