

Name : Dr.K.GANDHIMATHI

Designation : ASSISTANT PROFESSOR

Department : DATA ANALYTICS (PG)

Qualification : M.Sc.,MPhil.,Ph.D.

Experience : Teaching -13 Years

Research : 10 Years

Area of Specialization(s) : DataMining

Email (OfficialID) : gandhimathi@psgrkcw.ac.in



AcademicQualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Computer Science	Bharathiar University	2023
M.Phil.	Computer Science	Bharathiar University	2013
M. Sc.	Information Technology	Anna University	2009
B.C.A	Computer Applications	Bharathiar University	2007

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/AgencyName	Year
Certification	Coursera	IBM	2025
Certification	Coursera	Microsoft	2025
Certification	Coursera	Google	2025
Certification	Coursera	NVIDIA	2025

- Completed 20 Professional Certifications through Coursera across diverse domains

Research Guidance

Programme	No.ofScholars	
	Completed	Pursuing
M.Phil.	1	-
Ph.D	-	1

Research Publications (Indexed)

- Dr.K.Gandhimathi, Assistant Professor, "Predictive Maintenance for Vehicle Performance using Bidirectional LSTM", International Journal of Applied Mathematics and Information Sciences, 18(6): 1469-1479, [doi:10.18576/amis/180623](https://doi.org/10.18576/amis/180623), Nov 2024.
- Dr.K.Gandhimathi, Assistant Professor, "An Optimized Gaussian Kernel Based Fuzzy C-Means Algorithm for Prediction of Type 2 Diabetes" has been published in Education and Society, Volume 47, Issue 2, April 2023.
- Dr.K.Gandhimathi, Assistant Professor, "Hybrid Approach for Type 2 Diabetic Classification Model Using PSO-GKFCM and PDF-RNN" -IJONS, Volume 13, Issue 72 June 2022.
- Dr.K.Gandhimathi, Assistant Professor, "Predictive Model for Type II Diabetes: Deep Learning with Probability Density Function" -IJRASET, Volume 10 Issue V, May 2022.
- Dr.K.Gandhimathi, Assistant Professor, "Prediction Model for Type 2 Diabetics Using Optimized Levy Flight Based Fruit Fly Optimization Algorithm" ISSN: 0972-0766, Vol. XCV, No.8, 2022.
- Dr.K.Gandhimathi, Assistant Professor, "Hybrid Prediction Model for Type 2 Diabetes Using PSO-Gaussian Kernel Based Fuzzy C-Means and PDF-Recurrent Neural Network", ISSN: 0011-9342, Year 2021, Issue: 8, Pages: 14965 - 14976.
- Dr.K.Gandhimathi, Assistant Professor, "DP-RNN: Type II Diabetic Prediction Using GKFCM and RNN", Vol.12 No.10 (2021), 6093- 6105.
- Dr.K.Gandhimathi, Assistant Professor, "Survey on Type2 Diabetic Classification using Data Mining Techniques", December 2019.

Other Publications: International/National

- Dr.K.Gandhimathi, Assistant Professor, "Product Recommendation and Product Matching Using Deep Learning", International Journal of Research in Academic World, E-ISSN: 2583-1615 P-ISSN: 3049-3498 Impact Factor (SJIF): 6.126 Volume: 4 Issue: 5 Pages: 188-192, Year: 2025
- Dr.K.Gandhimathi, Assistant Professor, "Prediction of Type 2 Diabetic using Fuzzy C-Means Clustering Algorithm" has been published in Journal of Emerging Technologies and Innovative Research, Volume 10, Issue 3 Feb 2023.
- Dr.K.Gandhimathi, Assistant Professor, "Prediction of Type2 Diabetics based on Clustering Algorithm" has been published in International Journal of Computer Sciences and Engineering (IJCSE) vol.8, Issue.11, November 2020.
- Dr.K.Gandhimathi, Assistant Professor, "Discovering Web Communities in Web Structure Mining" has been published in International Journal of Engineering Science and Computing (IJESC) Vol.7, No.11, November 2017.
- Dr.K.Gandhimathi, Assistant Professor, "Identifying Similar Web Pages Based on Automated and User Preference Value Using Scoring Methods" has been published in International Journal of Data Mining & Knowledge Management Process (IJDMP) Vol.3, No.6, November 2013.

Patent

S.No	Name of the Faculty	Title of the Invention	Application N o.	Date of Filing	Publication Date
1.	Dr.K.Gandhimathi	A DEEP LEARNING MODEL TO PREDICT THE PLACEMENT OF SENSORS IN IOT	Application No.202241040143	13/07/2022	22/07/2022

Book Chapter Published

- Dr.K.Gandhimathi, Assistant Professor has published a book entitled "AI- Powered Digital Forensics for Industrial Cyber Incidents" in IGI Global Scientific Publishing, ISBN: 9781668473665 Publication in May 2025.

Acted as a Resource Person

- Dr.K.Gandhimathi acted as a Resource Person & sharing knowledge on online Stakeholders Meeting for the validation of the curriculum for Doctor of Philosophy in Computer Science on 20th September, 2024, organized by DMI – St. Eugene University, Chibombo, Zambia.

Reviewer in journal

- Dr.K.Gandhimathi as a Reviewer in Reviewer in “Journal of Engineering Research and Reports (JERR)” ISSN: 2582-2926, West Bengal, India, 28.04.2025.

Paper Presentations in Conference

International

- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Quality Management and Reporting System for Food Quality Testing Laboratory”, 5th International Conference on Artificial Intelligence & Communication Systems (ICAICS-2025), organized by Velammal Institute of Technology on 28-03-2025.
- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Cybersecurity Incident Tracking System”, 5th International Conference on Artificial Intelligence & Communication Systems (ICAICS-2025), organized by Velammal Institute of Technology on 28-03-2025.
- Dr.K.Gandhimathi, Assistant Professor presented a paper on “ Transforming Fashion Design Through Stable Diffusion: Experimental Insights Into Text-To-Image Generation”, 2nd International Conference on Cognitive Computing and Artificial Intelligence, organized by Sathyabama Institute of Science and Technology on 27-03-2025 &28-03-2025.
- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Performance Analytics For Ecommerce Advertisement Campaigns”, International Conference On Innovations In Engineering, Computing and Smart Technologies, organized by Sree Sakthi Engineering College on 29-03-2025.
- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Food Quality and compliance management System using LIMS”, International conference on advances of Information technology & Computer Applications for sustainable Development, organized by Sri Ramakrishna College of Arts and Science on 21-03-2025.
- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Handwritten Invoice Data Extraction Using Gemini 1.5 Flash”, International conference on advances of Information technology & Computer

Applications for sustainable Development, organized by Sri Ramakrishna College of Arts and Science on 21-03-2025.

- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Handwritten Invoice Data Extraction Using Gemini 1.5 Flash”, International Conference On Recent Trends In Computational Technologies And Sustainable Development Goals, organized by PSG College of Arts and Science on 25-03-2025.
- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Prediction of treatment medicines with dual adaptive sequential networks”, International Conference On Exploring Gen Ai In Multidisciplinary Innovations And Contemporary Landscape (ICEGMICL 2025), organized by Dr.SNS Rajalakshmi College of Arts and Science 12-03-2025 & 13-03-2025.
- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Advanced financial risk assessment using economic indicators”, International Conference On Exploring Gen AI in Multidisciplinary Innovations And Contemporary Landscape (ICEGMICL 2025), organized by Dr.SNS Rajalakshmi College of Arts and Science 12-03-2025 & 13-03-2025.
- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Conversational AI for Intelligent Website Interaction”, International Conference On Exploring Gen AI in Multidisciplinary Innovations And Contemporary Landscape (ICEGMICL 2025), organized by Dr.SNS Rajalakshmi College of Arts and Science on 12-03-2025 & 13-03-2025.

- **Presented more than 30 Research Papers at International Conferences**

National

- Dr.K.Gandhimathi, Assistant Professor presented a paper on “Handwritten Invoice Data Extraction Using Gemini 1.5 Flash”, International Conference On Recent Trends In Computational Technologies And Sustainable Development Goals, organized by PSG College of Arts and Science on 25-03-2025.
- Dr.K.Gandhimathi, Assistant Professor, Presented National Conference in "Advanced Computational Intelligence & Disruptive Technologies-ADCOINDTEC"24, titled “Proactive Vehicle Care with Predictive Maintenance using Deep Learning” held at PSG College of Arts and Science, Coimbatore

- **Presented more than 5 Research Papers at National Conferences**

Participation in Seminars

- **Participated in more than 10 seminars at national and international levels.**

Participation in Workshop

- **Participated in more than 5 workshops at national and international levels.**

Participation in Faculty Development Programme

- Dr.K.Gandhimathi has attended the National Level FDP on “AI Tools For Teaching” organized by Star International Foundation For Research and Education on 22.06.2024.
- Dr.K.Gandhimathi has actively participated in “7 Days Online Faculty Development Program on Essential Skills for Professional Development in Higher Education” organized by Star International Foundation for Research and Education, Namakkal, from 01.07.2024 to 07.07.2024.

- Dr.K.Gandhimathi has attended National Level FDP on “Tech-Driven Research: Leveraging AI,IoT, and Collaboration for Academic Excellence” organized by Consortium of Higher Educational Institutions for Research & Development (CHIRD) from 02.09.2024 to 07.09.2024.
- Dr.K.Gandhimathi has attended FDP on “AI-Assisted Teaching& Personal Branding” organized by the Internal Quality Assurance Cell of VIMS between 19/11/2024 and 23/11/2024.
- **Participated in more than 10 Faculty Development Programmes at national and international levels.**

Participation in Webinar

- Dr.K.Gandhimathi, Assistant Professor attended One Day National virtual seminar on "Empowering Change: Sustainable Practices For Green Future " on the Occasion of World Environment Day Celebrations - 2024. held on 06.06.2024.
- **Participated in more than 10 seminars at national and international levels**

Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
Best Paper Award	Sri Ramakrishna College of Arts & Science	2022
New Age Technology Show	7 th India International Science Festival	2022

Contribution

- ERP Academic Coordinator, currently overseeing academic operations and process management.
- In charge of NAAC Criterion 1 with responsibility for documentation.
- Prepared monthly service reports to track performance and customer satisfaction.
- Reviewer for reputed academic journals.
- Resource person for academic curriculum design and development.
- Website Coordinator
- JOC Incharge - AWS & Power BI
- Contributed as Question Paper Setter for UG and PG courses in reputed universities and colleges.
- Served as Practical External Examiner and Member of the Question Paper Scrutiny Board.
- Role as Association Incharge includes planning and organizing Guest Lectures, Video Conferences, International/National Workshops, Seminars, Conferences, FDPs, and Community Development Programmes.

- Acted as Admission Coordinator, managing and facilitating student admissions.
- Acted as Incharge of the AI Club, coordinating and conducting multiple events.