

Name : Dr.S. SASIKALA
Designation : Associate Professor & Head
Department : Data Analytics(PG)
Qualification : M.Sc., M.Phil., PhD
Experience : Teaching -19 Years
Research : 16 Years
Area of Specialization(s) : Networking
Email(OfficialID) : sasikala@psgrkcw.ac.in



AcademicQualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Computer Science	Bharathiar University	2022
M.Phil.	Computer Science	Bharathiar University	2008
M. Sc.	Computer Science	Bharathiar University	2004
B.Sc.	Computer Science	Bharathiar University	2002

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/AgencyName	Year
Certification	NPTEL	Ministry of HRD	2019
Certification	Coursera	Learn quest	2025
Certification	Coursera	IBM	2025
Certification	Coursera	IBM	2025
Certification	Coursera	University of London	2025
Certification	Coursera	IBM	2025

Certification	Coursera	John Hopkins University	2025
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Research Guidance

Programme	No.ofScholars	
	Completed	Pursuing
M.Phil.	NIL	- NIL

Research Publications (Indexed)

International

Dr. S. Sasikala Published a paper entitled “Performance analysis of Energy Efficiency using EADSR Protocol” - Volume2; ISSN:2455- 9091 pages:40-48 - IJCSET.

Dr. S. Sasikala Published a paper entitled “Energy Efficient Routing Model in Mobile Ad-Hoc Networks using Dynamic Source Routing Protocol” - Aug 2017 Volume 5; ISSUE 4; PAGE NO:192-199 - IJETCR.

Dr. S. Sasikala Published a paper entitled “Performance Evaluation on Ad-Hoc Networks using Dynamic Source Routing Protocol” - ISSN:2394-7780 pages:27-278 - Volume 6 International Journal of Advance and Innovative Research.

Dr. S. Sasikala Published a paper entitled “Performance Analysis of DSR in MANET using Optimized Branch and Bound Algorithm” International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, November 2019

Dr. S. Sasikala Published a paper entitled “An Implementation of Modified Branch Bound and Dynamic Source Routing Protocol in MANET” Journal of Advanced Research in Dynamical & Control Systems, Vol. 12, 01-Special Issue, 2020

Other Publications: International/National

- Dr.S.Sasikala published a paper entitled” Performance Evalaution of Mobile Adhoc Network using Dynamic Source Routing Protocol in International Journal of Advance and Innovative Research Volume 6, Issue 1 (VII): January - March, 2019
- Dr.S.Sasikala, Shrivarsha S published a paper entitled “Usage of Networking Technologies In Industrial Automation”, in Education and society UGC CARE Approved Group I, ISSN 2278-6894,Vol 47, Issue 02,No2, April-June:2023

Patent

S.No	Name of the Faculty	Title of the Invention	Application N o.	Date of Filing	Publication Date
1.	Dr.S.Sasikala	Artificial Intelligence and IOT based Attendance Monitoring and Management Using AI Camera, Cloud technology and Machine learning Algorithms	APP.NO:202211066559.	20.07.2022	20.09.2023

Book Published

- Dr.S. Sasikala, Associate Professor has published a book entitled "Big Data For Everyone" in Multi Spectrum Publications,, ISBN: 978-81-19419-25-8 Publication in May 2023

Book Chapter Published

- Dr.S. Sasikala, Associate Professor has published a book entitled "The Role of Machine Learning in Industrial Cybersecurity: A Paradigm Shift" in IGI Global Scientific Publishing, ISBN: 9798337332413 Publication in May 2025
- Dr. .S. Sasikala, Associate Professor has published a book entitled "Technological Innovations in Agriculture: Internet of Things (IoT) and Precision Agriculture" in IGI Global Scientific Publishing, ISBN:9798369399644 Publication in May 2025

Short Term Course

- Dr.S.Sasikala completed Short term course on "Power BI" from 27.01.2025 to 20.02.2025

Acted as a Resource Person

- Acted as a Resource Person in the 5 Days National Level Virtual Faculty Development Programme on "Innovative Trends in Artificial Intelligence For Teaching And Research" organized by the Consortium of Higher Educational Institutions for Research & Development (CHIRD)

Reviewer in journal

- Dr.S.Sasikala acted as a Review member in International Conference on Computational Intelligence and communication Technologies(ICCICT-2K24) organized by Faculty of Computer Science in Association with Analytics, held at Dr.N.G.P Arts and Science College, Coimbatore on Jan 3,2025
- Dr.S.Sasikala acted as a Program Committee Member &Reviewer for the 1st International Conference on Innovative Approaches and Applications for Sustainable Development (I2ASD 2025)

- Dr.S.Sasikala acted as a Review member in 2nd International Conference on Algorithms and Computational theory for Engineering applications(ICACTEA2K25) organized by Department of Computer Science and Engineering, held at Aditya University, Andhra Pradesh on 04.04.2025 and 05.04.2025

Paper Presentations in Conference

International

- Dr S.Sasikala. Associate Professor presented their paper on the title” Safeguarding Privacy for Cloud Computing's Encrypted Data using Association Rule Mining Algorithm and FP Growth Algorithm”
- 2024 3rd Edition of IEEE Delhi Section Flagship Conference (DELCON) DOI: 10.1109/DELCON64804.2024.10866727
- Dr S.Sasikala. Associate Professor and Jovila Premi G participated and presented their paper on the title "Exploring GEN AI in Multidisciplinary Innovations and Contemporary Landscape" Organized by the Centre for Creativity, Research and Development, Dr. SNS Rajalakshmi College of Arts and Science (Autonomous), Coimbatore, Tamilnadu, India in Collaboration with the Madhesh University, Nepal, and the Artificial Intelligence Medical and Engineering Research Society, Vijayawada, on March 12.03.2025 & 13.03.2025.
- Dr S.Sasikala. Associate Professor,Ms.K.Kalpana and Ms.A D Shalini Preetha participated and presented their paper on the title “AI Self-Driving Car Simulation Review” in One Day International Conference on "Recent Trends in Research and Innovation" organized by VLB Janakiammal College of Arts and Science on 14.03.2025.
- Dr S.Sasikala Associate Professor, and Nandhini N participated and presented their paper on the title “Smart Agriculture:Leveraging Robotics and Automation For Efficient Harvesting Using IOT ” in the International Conference on "Recent Trends in Computational Technologies and Sustainable Development Goals" (ICRTCTS - 2025) organized by the Department of Computer Science(SF) PSG College of Arts & Science ,on 25.03.2025.
- **Presented 25 Research Papers at International Conferences**

National

- Dr S.Sasikala Associate Professor and Nandhini N participated and presented their paper on the title “The Role Of Data Analytics In Driving Innovation Across Industries” in the National Conference on AI&DS: Challenges and Opportunities in the Digital Era (NCAI-DS 2025) organized by VET Institute of Arts & Science (Co-education) College, on 04.03.2025.
- **Presented 4 Research Papers at National Conferences**

Presentations in Seminar

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

Participation in Seminars

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

Participation in Workshop

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

Participation in Faculty Development Programme

- Dr. S. Sasikala, Associate Professor & Head, Department of PG Data Analytics, has participated in the 5 Days National Level Virtual Faculty Development Programme on "Innovative Trends in Artificial Intelligence For Teaching And Research" organized by the Consortium of Higher Educational Institutions for Research & Development (CHIRD) from January 27 - 31, 2025.
- Dr.S.Sasikala, Associate professor, Psgrkcw , has actively participated in "One Day Online Faculty Development Program on AI Tools For Teaching" organized by Star International Foundation for Research and Education on 22.06.2024.
- Dr. S. Sasikala, Associate Professor & Head, Department of PG Data Analytics, has participated in the 5 Days Virtual Faculty Development Programme on "Exploring Entrepreneurial Opportunities: AI & IoT In industry 4.0 organized by the Department of computer Science with Data Analytics in association with Institution Innovation Council(IIC) of PSG College of Arts and Science from February 3 - 7, 2025.
- Dr. S. Sasikala, Associate Professor & Head, Department of PG Data Analytics, has participated in the 5 Days International Faculty Development Programme on "Outcome Based Education" organized by the Department of Management Studies , Velammal College of Engineering and Technology, Madurai from July 1 - 5, 2025.
- **Participated in more than 20 Faculty Development Programme at national and international levels.**

Participation in Webinar

- **Participated in more than 15 Webinars at national and international levels**

Contribution

- Acting as a strategic direction for the program by aligning curriculum with emerging trends
- Organize workshops, FDPs, and seminars to enhance teaching and research skills
- Reviewer for International journals.
- Ensure course content meets industry and academic standards
- Lead preparation for NAAC accreditation and academic audits.
- Conducts workshops, hackathons, seminars, and industry talks to enhance student competencies.