Name	**: Mrs. T. Hashni**
Designation	: Assistant Professor
Department	: Artificial Intelligence & Machine Learning
Qualification	: M.Sc., M.Phil., (Ph.D.)
Experience	: Teaching: 12 Years 3 Months | Industry: 6 Months
Specialization	: Artificial Intelligence, Bio-Inspired Computing
Email *(Official)***:**	hashni.t@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Bharathiar University	Pursuing
M.Phil.	Computer Science	Bharathiar University	2012
M.Sc.	Information Technology	Bharathiar University	2010
B.Sc.	Computer Science	PSGR Krishnammal College for Women	2008

Additional Qualifications

Dip. /Cert.	Area of Specialization	Institution / University / Agency Name	Year
Certification	Python 3.4.3	Spoken Tutorial	2025
Certification	Object Oriented Programming using Python	Infosys | Springboard	2025
Certification	Deep Learning for Developers	Infosys | Springboard	2025
Certification	ChatGPT Prompt Engineering Examples & Use Cases	Infosys | Springboard	2024
Certification	Hands-on Artificial Intelligence with TensorFlow	Infosys | Springboard	2024
Certificate	Natural Language Processing and Computer Vision	IBM Skills build	2024
Certificate	Hands-on Artificial Intelligence with TensorFlow	Infosys | Springboard	2024
Diploma	AI Computer Vision	UiPath	2021
Certificate	DEV236X: Introduction to Python: Absolute Beginner	Microsoft Corporation	2018
Certificate	PC - Hardware Engineering	SI'TARC Institute	2006

Patent

Title	Status	Year
Prediction of Water Flow Depth Using Machine Learning	Published	2025

Research Publications

- T. Hashni, T.Amudha, Swamynathan Ramakrishnan, **IoT & AI in Smart Farming: Implications and Challenges**,7th International Conference on Communication and Electronics Systems (ICCES), July 2022, pp. 501-505, IEEE, DOI: 10.1109/ICCES54183.2022.9835812. (Indexed in Scopus)

- T. Hashni, T.Amudha , **Smart Farming Approaches Towards Sustainable Agriculture-A Survey**, Third International Conference on Intelligent Computing, Information and Control Systems, March 2022, pp. 695-714, Springer Nature, DOI: 10.1007/978-981-16-7330-6_52. (Indexed in Scopus)

- T. Hashni, D.Madhumitha and S.Indrakshi**, Wireless Sensor Network Impact on Human Life**, Multi-Disciplinary Application Perspective in IoT Vol. 68 No. 19, 2020, Our Heritage Journal, ISSN: 0474-9030 (Indexed in UGC)

- T. Hashni, M.Divyavani**, A Superlative Approach for Clustering Techniques**, International Journal of Computer Science & Information Technology, Vol 3, No.2, pp. 45-52, August 2013, ISSN:2230-7621. (Indexed in Google Scholar)

- T. Hashni, M.Divyavani**, A Study of Efficient and Effective Approaches in Nature-Inspired Techniques for Solving Optimization Problems,** International Journal of Advanced Research in Computer Science (IJARCS), Vol 4, No.2, pp. 143-145, Jan-Feb 2013, ISSN:0976-5697. (Indexed in Google Scholar)

- T. Hashni, T.Amudha, **Relative Study of CGS with ACO and BCO Swarm Intelligence Techniques**, International Journal of Computer Technology & Applications (IJCTA), Vol 3(5), pp.1775-1781, Septermber-October 2012, ISSN:2229-6093. (Indexed in Google Scholar)

- T. Hashni, T.Amudha, **Solving Quadratic Assignment Problems Using a Hybrid Nature-Inspired Technique**, International Journal of Current Research (IJCR), Vol.4, Issue 02, pp.216-221, February 2012, ISSN:0975-833X. (Indexed in Google Scholar)

Books/ Book Chapters Publication

Book Chapter

- **Harnessing AI And IoT for Sustainable Agriculture: Innovations in Resource Management**, Proceedings of One Day National Conference on Emerging Technologies in

Computer Science. Innovation Online Training Academy Publisher, ISBN: 978-93-93622-65, January 2025.

- **A Novel Framework for Nutrient-Based Plant Disease Prediction with Machine Learning**, International Conference on Computational Intelligence and Communication Technologies, ISBN: 978-81-981953-6-4, January 2025.

- **Image Processing** International Conference on Trends and Innovations in Computer Science and Applied Mathematics - TICSAM 2022, Sri Ramakrishna College of Arts & Science, ISBN: 9789391977214, May 2022.

- **Exploring the trends of virtual reality support system in education",** International Conference on Intelligent Computing and Technology ICICT-2022, Sri Ramakrishna College of Arts & Science, ISBN 978-93-91977-13-9, March 2022.

- **Robotic Process Automation and Artificial Intelligence 4.0**, National Conference on Applications of Intelligent Robotic Process Automation, PSGR Krishnammal College for women**,** ISBN: 9788195368150, March 2022.

- **A Versatile Approach for Scheduling Using Bee Colony Optimization (BCO) Algorithms,** Second National Conference on Intelligent Computing (SNCIC-2011), K.S. Rangasamy College of Arts and Science, Allied Publishers Pvt.Ltd., ISBN:978-81-8424-707-7, July 2011.

Presentations in Conference/ Seminar

- **A Novel Framework for Nutrient-Based Plant Disease Prediction with Machine Learning**, International Conference on Computational Intelligence and Communication Technologies, Dr.N.G.P. Arts and Science College, 3-Jan-25.

- **Leveraging Machine Learning for Accurate Precipitation Forecasting**, Sixth International Conference on Futuristic Trends in Networks & Computing Technologies (FTNCT-06), Graphic Era Hill University, Haldwani, India, 23-Dec-24 to 24-Dec-24.

- **Sustainable Agriculture: Resource Management with AI and IoT advancements**, National Conference on emerging trends in Artificial Intelligence, Sengamala Thayaar Educational Trust Women's College, 19-Feb-24 to 20-Feb-24.

- **IoT & AI in Smart Farming: Implications and Challenges**, 7th International Conference on Communication and Electronics Systems, PPG Institute of Technology, 22 to 24-Jun-22.

- **Exploring the trends of virtual reality support system in education**, International Conference on Intelligent Computing and Technology ICICT-2022, Sri Ramakrishna College of Arts & Science, 9-Mar-22.

- **Robotic Process Automation and Artificial Intelligence 4.0,** National Conference on Applications of Intelligent Robotic Process Automation, PSGR Krishnammal College for Women, 25-Mar-22

- **Image Processing**, International Conference on Trends and Innovations in Computer Science and Applied Mathematics, Sri Ramakrishna College of Arts & Science, 17-May-22.

- **Smart Farming Approaches Towards Sustainable Agriculture-A Survey,** Third International Conference on Intelligent Computing, Information and Control Systems, CARE College of Technology, 2-July-21 to 3-July-21.

- **Data Mining Fraud Detection**,10th National Conference on "Machine Learning and Smart Technology, Sri Krishna Arts and Science College, 12-Feb-20.

- **Artificial Intelligence in Military**, Two-day National Conference on Emerging Trends in Mathematics with Computer Applications (ETMCA-19), Dr. N.G.P. Arts and Science College, 12-Sep-19 to13-Sep-19.

- **Automatic Smart Parking system using IoT,** National Conference on Recent Trends in Computing Technologies, PSGR Krishnammal College for Women, 10-Sep-18.

- **A Versatile Approach for Scheduling Using Bee Colony Optimization (BCO) Algorithms**, Second National Conference on Intelligent Computing, K.S.Rangasamy College of Arts and Science, 29-July-11 to 30-July-11.

- **Software Agent Based Scheduling in Grid Computing- A brief Study**, National Conference on Recent Advances in Statistics and Computer Applications (RASCA-2010), Bharathiar University, 21- Dec-10 to 23-Dec-10.

Participation in Conference/Seminar

- One Day National Conference on **Emerging Technologies in Computer Science** organized by Kovai Kalaimagal College of arts and Science, 24-Jan-25.

- Two Day NAAC Sponsored International Conference on **Designing New Pedagogies in Higher Education: A Driving Force to achieve sustainable development Goals**, PSGR Krishnammal College for Women, 27-Jan-23 to 28-Jan-23.

- **International Conference on Intelligent Computing Applications**, Bharathiar University, Coimbatore, 6-Mar-14 to 7-Mar-14.
- Two days Conference on **Distributed Services and Applications Using Grid and Cloud Computing**, VLB Janakiammal College of Engineering and Technology, 6 & 7-Mar-11.

Participation in Faculty Development Programme

- **One week Faculty Development Program (Online) on AI Powered Learning: Shaping the Future of Education,** Vivekanandha Arts and Science College for Women,20-Jan-25 to 25-Jan-25.
- **Two-day FDP on Design Thinking,** PSGR Krishnammal College for Women, 7-Nov-22 to 8-Nov 22.
- **Two-day National FDP on Plagiarism in Academic Research & Author Identifiers,** Indian Institute of Management and Commerce, 11-Apr-22 to 12-Apr-22.
- **Faculty Development Program on Role of AI in IoT Applications,** MEASI Institute of Information Technology, 27-Jan-22.
- **Inter-departmental FDP on Applications of Artificial Intelligence and Machine learning,** PSGR Krishnammal College for Women,19-Jan-22 to 20-Jan-22.
- **Online Faculty Development Programme on Machine Learning – The Next Generation Aspects,** Dr. SNS Rajalakshmi College of Arts & Science, Coimbatore, 4-Jun-20.
- **Two-days FDP on People Empowering People,** ICT Academy of Tamil Nadu, 28-May-15 to 29-May-15.
- **New Faculty Induction Programme**, Confederation of Indian Industry (**CII**), Erode Zone, 27-Jul-13.
- **Three days FDP - An intensive training program on achieving learning objectives & A greater inner drive for touching excellence**, ZEAL, 27-Sep-12.
- **Image Processing and Computer Vision Using MATLAB**, Coimbatore Institute of Engineering and Technology (CIET),16-Aug-12.

Participation in Workshop

- **One-week Online workshop on AI tools in Academic Research,** 6thQ-ResearchH, 02-Dec-24 to 07-Dec-24

- **Seven Day National Workshop on Post NAAC Quality Enhancement in Higher Education Institutions,** Avinashilingam University for Women, 22 to 29-Aug-22

- **One-day National Workshop on Research Article Writing and publishing with Citation,** PSGR Krishnammal College for Women,15-Dec-21.

- **Three Day's International Online Workshop on Data management and Analysis Using R Commander,** Institute for Statistics and Analytical Research, Chennai, 29 to 31-Oct-21.

- **International Virtual Workshop on The LATEX Tool for writing Research outcomes in Right Way**, Periyar Maniammai Institute of Science and Technology, 24-Sep-21.

- **Two Day National Workshop on Quality Assessment and Accreditation under Revised Accreditation Framework,** Avinashilingam University for Women, 27 & 28-Jan-20.

- **Two-days hands-on Workshop on Python for Research,** Bharathiar University, 9-Dec-11 to 10-Dec-11.

- **One-Day workshop on Web Designing Techniques and Trends**, PSGR Krishnammal College for Women, 21-Feb-07.

Participation in Training

- **Training Programme on Weather and Climate from common man's perspectives**, Agro Climate Research Centre, Tamil Nadu Agricultural University, Coimbatore,17-Jun-20 to 26-Jun-20.

- **Three days Residential Training Programme on Teacher Skill Enhancement,** Karl Kubel Institute (KKID), Mankarai,11-Jun-15 to 13-Jun-15.

Editorial / Reviewer Board Member

- Editorial Board Member, Journal of Intelligent Data Analysis and Computational Statistics, since 2024.

- Editorial Board Member, Journal of Big Data Analytics and Business Intelligence, since 2024.

- Reviewer in Sixth International Conference on Futuristic Trends in Networks & Computing Technologies (FTNCT-06) Graphic Era Hill University, Haldwani, India, 23-Dec-2024 to 24-Dec-2024.

Member in BoS

- Board of Information Technology, PSGR Krishnammal College for Women, 2012-2023.
- Board of Computer Science with Cyber Security, PSGR Krishnammal College for Women, 2022-2023.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
International Association of Engineers (IAENG) Membership ID:372614.	Life time	-
All India Council for Technical Skill Development Membership ID: ICTSD/PROFESSOR/06389	Life time	-

Awards / Honors

Awards / Honors	Agency / Institute	Year
Long-Term Service	PSGRKW	2023
University 1st Rank Gold Medalist in M.Sc. IT	Bharathiar University	2010