

Name : Dr.V.Malathi

Designation : Assistant Professor

Department : Computer Science with Cyber Security

Qualification : MCA., M.Phil., Ph.D.,

Experience : Teaching : 10 Years 7 months Research: 05

Area of Specialization(s) : Cloud Computing, Networks, Cyber Security

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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Hindusthan College of Arts and Science, Coimbatore.	Dec 2023
M.Phil.	Computer Science	Hindusthan College of Arts and Science, Coimbatore.	Dec 2015
MCA	Computer Applications	Maharaja Engineering College, Avinashi.	June 2013
BCA	Computer Applications	Tirupur Kumaran College for Women, Tirupur	April 2010

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online	Cyber Security and Privacy	NPTEL	Jul – Oct 2024
Online Certificate	Cloud computing	NPTEL	2020
Diploma in Multimedia	Multimedia and Animation	Bharathiar university	2010

Research Publications (Indexed)

1. Dr. B. Sundaravadivazhagan, V. Malathi, Dr. V. Kavitha, A Novel Credit Grounded Job Scheduling Algorithm for the Cloud Computing Environment, International Conference on Inventive Computation Technologies (ICICT), Nepal, pp. 912-919, August 2022, ISSN: 2767-7788 , (Indexed in SCOPUS) doi: 10.1109/ICICT54344.2022.9850650. <https://ieeexplore.ieee.org/document/9850650>
2. V. Malathi, Dr. V. Kavitha, Energy aware load balacing algorithm for upgraded effectiveness in green cloud computing, Expert Clouds and Applications, Lecture Notes in Networks and Systems, vol 209 pp 247-260, ISBN 978-981-16-2125-3. (Indexed in SCOPUS). https://link.springer.com/chapter/10.1007/978-981-16-2126-0_22
3. V. Malathi, Dr. V. Kavitha, Energy Attentive Resource Allocation Using Enhanced Best Fit Decreasing with Energy Saving (EBFD-ES) Algorithm For VM Allocation in Cloud, International Journal of Advanced Science and Technology, Vol. 29, No. 06, pp.9265-9268, June 2020, ISSN: 2005-4 238 (Scopus publication). <http://sersc.org/journals/index.php/IJAST/article/view/34738>
4. V. Malathi, Dr. V. Kavitha, Green Cloud Computing: Demand Allocation, Adalya journal, Volume 8, Issue 12, pp. 809-814, December 2019, ISSN NO: 1301-2746. <https://adalyajournal.com/index.php/volume-8-issue-12-december-2019/>
5. V. Malathi, Dr. V. Kavitha, Analysis and Survey on Various Cloud Computing Algorithms and Its Challenges, International Journal of Emerging Technologies and Innovative Research, volume 6, issue 6, pp.no 23-32, June 2019, ISSN:2349-5162 (UGC Approved Journal).
6. V. Malathi, Dr. V. Kavitha, A Study on Various Load Balancing Algorithm in Cloud Computing Environment, International Journal of Advance and Innovative Research, volume 6, issue 1(vii), pp.no 65-69, January -march 2019, ISSN 2394-7780 (UGC Approved Journal).
7. V. Malathi, Mrs. M. Hemalatha, Dynamic Authentication System for Consumer Product using Quick Response code in Mobile Cloud Computing, International Journal of Scientific Research, volume 4, issue 09, September 2015, ISSN 2277-8179.

Conference Proceedings

1. Hemanisha N S, Kanushi Srinivasan, Dr. V. Malathi, A New Era in Education: How AI is Making Learning Smarter and Faster, International Conference on Intelligent Automation and Next Gen Innovations, PSG College of Arts and Science, Coimbatore, 10-Jan-2025, ISBN:978-93-341-8766-3.
2. Divyadharshan R, Miruthulan L V, Dr. V. Malathi, Ethical Challenges in AI: Balancing Privacy, Consent and Identity in a Digital World, International Conference on Intelligent Automation and Next Gen Innovations, PSG College of Arts and Science, Coimbatore, 10-Jan-2025, ISBN:978-93-341-8766-3.
3. R. Rinisha, Dr. V. Malathi, the role of Artificial Intelligent and Performance Metrics Analysis, International Conference on Computational Intelligence and Communication Technologies -2K25 held at Dr.N.G.P. Arts and Science College on 03-Jan-2025, ISBN: 978-81-981953-6-4.
4. Kanushi Srinivasan, Hemanisha N S, Dr. V. Malathi, Mobile Computing: Applications and future Directions, International Conference on Advanced Computing -2024 held at Bharathiar University, Coimbatore, 26th and 27th September 2024, ISBN :978-93-6126-040-7.
5. Barry Jonathan, Dr.V.Malathi, The Role of Artificial Intelligence in the Agriculture Industry, International Conference on Advanced Computing -2024 held at Bharathiar University, Coimbatore, 26th and 27th September 2024, ISBN :978-93-6126-040-7.
6. M.Yamuna, A V Pradeepa, Dr.V.Malathi, Advancements in Network Security : from Fundamental Protections to Emerging Technologies, International Conference on Advanced Computing -2024 held at Bharathiar University, Coimbatore, 26th and 27th September 2024, ISBN :978-93-6126-040-7.
7. V. Malathi, Mrs. M. Hemalatha, Cloud computing for E-Governance, National conference on information and image processing, Sankara college of science and commerce, Coimbatore, 27-Feb-2015, ISBN:93-84743-48-2.

8. V. Malathi, Mrs. M. Hemalatha, Cloud computing- Security issues and challenges, National conference on Innovation and Strategic Business Practices in the Global Economy, M.R. Government Arts College Mannargudi, 23-Jan-2015, ISBN:978-81-909259-5-2.

Book chapter Publications

1. Leveraging Data Science for Enhanced Cybersecurity: Techniques, Applications, and Threat Mitigation Strategies, in Computer Network, published by Innovation Online Training Academy on Jan 2025, pp.no 1-6 ISBN Number: 978-93-48990-24-2
2. Effects of Introducing Cloud Computing in the Education Sector, in Effects, Applications and Future Scope of Recent Advances in Education and Healthcare Sectors, Central West Publishing, Nov 2022, ISBN (print): 978-1-922617-30-9.
3. Innovative Services Using Cloud Computing in Smart HealthCare, Intelligent Interactive Multimedia Systems for e-Healthcare Applications, Springer (Singapore), Published on 16 November 2021, ISBN: 978-981-16-6542-4.

Book Publications

1. Ethical hacking, Mr.M.Sakthivel, Dr.V.Shobana, Dr.V.Malathi, Ms.K.Bhavadharani, Mrs.K,Sangeetha, 1st Edition, Prime International Publisher, Nov 2024, ISBN:978-93-6010-384-2.

Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Train employees with Adobe Illustrator	S.G. APPAREL	Rs. 10000	Completed

Presentations in Conference

1. The role of Artificial Intelligent and Performance Metrics Analysis, International Conference on Computational Intelligence and Communication Technologies -2K25 held at Dr.N.G.P. Arts and Science College on jan 3rd 2025.

2. A New Era in Education : How AI is Making Learning Smarter and Faster, International Conference on Intelligent Automation and Next Gen Innovations, PSG College of Arts and Science, Coimbatore, 10-Jan-2025.
3. Ethical Challenges in AI : Balancing Privacy, Consent and Identity in a Digital World, International Conference on Intelligent Automation and Next Gen Innovations, PSG College of Arts and Science, Coimbatore, 10-Jan-2025.
4. Mobile Computing : Applications and future Directions, International Conference on Advanced Computing -2024 held at Bharathiar University, Coimbatore, 26th and 27th September 2024.
5. The Role of Artificial Intelligence in the Agriculture Industry, International Conference on Advanced Computing -2024 held at Bharathiar University, Coimbatore, 26th and 27th September 2024.
6. Advancements in Network Security : from Fundamental Protections to Emerging Technologies, International Conference on Advanced Computing -2024 held at Bharathiar University, Coimbatore on 26th and 27th September 2024,
7. A Novel Credit Grounded Job Scheduling Algorithm for the Cloud Computing Environment, Online Symposium on Advances in Computational Intelligence and Heuristic Applications (ACIHA 2021), Sultanate of Oman, University of Technology and Applied Sciences- Al Mussanah, 10-Nov-2021 to 11-Nov-2021.
8. Cloud computing for E-Governance, National conference on information and image processing, Sankara college of science and commerce, Coimbatore, 27-Feb-2015.
9. Cloud computing- Security issues and challenges, National seminar on Innovation and Strategic Business Practices in the Global Economy, M.R. Government Arts College, Mannargudi 23-Jan-2015.

Participation in Conference

International

- International Conference on the Accelerated Digital Transformation: An Approach to Sustainability in Business, G.R. Damodaran Academy of Management, Coimbatore, 22-Mar-2024.

- International Conference on Computer Applications and Information Technology (CAIT 2019), Sponsored by Indian Academicians and Researcher's Association, Hindusthan College of Arts and Science, Coimbatore, 24-Jan-2019.

Participation in Workshop

1. Cognitology Summit - AI & Cloud, PSGR Krishnammal College for Women, Coimbatore, 8-Feb-2020.
2. Role of Cloud Computing in Internet of Things (IoT), Hindusthan College of Arts and Science, Coimbatore, 20-Aug-2019 to 21-Aug-2019.
3. Intellectual Property Rights – Indian and Global Perspectives, Hindusthan College of Arts and Science, Coimbatore, 05-Aug-2019.
4. Back To the Future, Hindusthan College of Arts and Science, Coimbatore, 25-Jul-2014.

Participation in Faculty Development Programme

- 5G NETWORKS SLICING & APPLICATIONS, Presidency University, Bangalore, 11-nov 2025 to 15-nov 2025.
- Evolving Landscape of Data Science - Current Trends & Patterns, Hindusthan College of Arts & Science, Coimbatore, 23rd Sept to 27th Sept 2024.
- Internet of Things for Emerging Technical Applications, M.P.Nachimuthu M.Jaganathan Engineering College, Erode, 12-aug 2024 to 17- aug 2024.
- Essential Skills for Professional Development In Higher Education, Star International Foundation for Research and Education, 1-july 2024 to 7- july 2024.
- Encountering Challenges in Research, Hindusthan College of Arts and Science, Coimbatore, 7-May-2020.
- Centre for Excellence for Faculty Development Programme (COEXFD), Hindusthan College of Arts and Science, Coimbatore, 2-Jan-2020 to 5- Jan-2020.
- Mentoring the mentors, Karunya Institute of Technology and Science, Coimbatore, 20-Jun-2018.
- Communication Skills, Hindusthan College of Arts and Science, Coimbatore, 2-Jun-2017 to 3-Jun-2017.

- Quality Enhancement in HEIs by the Effectiveness of Academic and Administrative Audit Issues and Challenges, S.N.R.Sons College, Coimbatore, 21 & 22 – October- 2016.
- Resource Mobilisation for Research Work, Pioneer College of Arts & Science, Coimbatore, 16-Jul-2016.
- Public health emergency and disaster management, Hindusthan College of Arts and Science, Coimbatore, 03-Nov-2015.
- Effective Elements of Classroom Teaching, Hindusthan College of Arts and Science, Coimbatore, 21-Aug-2015.
- Writing Effective Research in Humanities, RVS College of Arts and Science, Coimbatore, 10-Oct-2014.
- Discover the Teacher in you, Hindusthan College of Arts and Science, Coimbatore, 24-Jan-2014.
- Communication Skills, Hindusthan College of Arts and Science, Coimbatore, 14-Dec-2013.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Internet Society	Life-time	-