CURRICULUM VITAE

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EDUCATION

Ph.D.	Department of Computer Science and Engineering, Anna University, Chennai, 2017 *Title*: Energy Efficient Reliable Localization in Wireless Sensor Networks
M.E.	Department of Computer Science and Engineering, Sri Siva Subramaniya Nadar College of Engineering, Kalavakkam, 2007, 80%
B.E.	Department of Computer Science and Engineering, Shanmuga College of Engineering, Thanjavur, 1998, 69.4%
Higher Secondary	Sacred Heart Girls Higher Secondary School, Thanjavur, 1993, 82.9%
S.S.L.C	St. Gabriel's Girls High School, Pasupathikovil, 1991, 86.4%

EMPLOYMENT HISTORY

Assistant Professor	Department of Computer Science and Engineering, University College of Engineering (formerly Anna University of Technology) Pattukkottai, Rajamadam-614701 (March 2011 – Present)
Visiting Faculty	Department of Computer Science and Engineering, Anna University of Technology Tiruchirappalli-Pattukkottai Campus, Rajamadam-614701 (December 2010 – March 2011)
Assistant Professor	Department of Information Technology, Sri Siva Subramaniya Nadar College of Engineering, Kalavakkam-603110 (May 2001 – November 2010)

Lecturer   Department of Computer Science and Engineering, Anjalai Ammal Mahalingam Engineering College, Kovilvenni-614403 (June 1998 – April 2001)

LIST OF PUBLICATIONS

Journal Papers

Kavitha M.G., Sendhilnathan S. (2015), "Iterative Trilateration for Location Discovery in Wireless Sensor Networks", International Journal of Applied Engineering Research (IJAER), Vol. 10, No. 34, pp. 27384-27389.

Kavitha M.G., Sendhilnathan S. (2016), "Localization techniques for wireless sensor networks", (2016), Global Journal of Pure and Applied Mathematics (GJPAM), Vol. 12, No. 4, pp. 127-130.

Kavitha M.G., Sendhilnathan S. (2016), "An Optimized Cluster Based Localization in Wireless Sensor Networks", Asian Journal of Information Technology, Vol. 15, No. 20, pp. 3995-4001.

Kavitha M.G., Sendhilnathan S. (2017), "Decision Tree Based Localization in Wireless Sensor Networks", Journal of Advances in Chemistry, Vol. 12, No. 22, pp. 5403-5407.

Kavitha M.G., Sendhilnathan S. (2017), "An Optimized Localization Technique Using Trilateration Method", International Journal of Printing Packaging and Allied Sciences (IJPPAS), Vol. 5, No. 1, pp. 377- 384.

Kavitha M.G., Sendhilnathan S. (2017), "Body Area Network with Mobile Anchor based Localization", Cluster Computing, Springer, https://doi.org/10.1007/s10586-017-1175-y.

Kavitha M.G., Sendhilnathan S. (2017), "Ontology Based Agriculture Localization in Wireless Sensor Networks", Journal of Advances in Chemistry, Vol 12, No.26, pp. 5770-5774.

Kavitha M.G., Sendhilnathan S. (2017), "Hidden and Exposed Nodes in Wireless Sensor Networks", Advances in Natural and Applied Sciences, Vol 11, No.8, pp. 402-407.

Ashokkumar S, Suresh A, Kavitha M.G. (2017), "Implication of video summarization and editing of video based on human faces and objects using SURF (speeded up robust future)", Cluster Computing, Springer, https://doi.org/10.1007/s10586-018-1729-7.

Senthilkumar D., Reshmy A.K., Kavitha M.G. (2018), "Non-Linear Machine Learning Techniques for Multi-LabelImage Data Classification", Applied Mathematics & Information Sciences, Vol. 12, No.5, pp. 1-7.

Krishnaraj N., Kavitha M.G., Jayasankar T., Vinoth Kumar K. (2019), "A Glove Based Approach To Recognize Indian Sign Languages", International Journal of Recent Technology and Engineering, Vol.7, Issue 6, pp. 1419-1425.

Thanikachalam V., Kavitha M.G., Bharathi V. (2019), "Artificial Neural Network and Gray Level Co-Occurrence Matrix Based Automated Corrosion Detection", International Journal of Engineering and Advanced Technology, Vol. 8, Issue 6, pp. 4499-4502.

Radha D., Kavitha M.G. (2019), "A Study on Information Sharing Framework for Industrial Internet of Things", Bioscience Biotechnology Research Communications, Vol. 12, No.6, pp. 22-32.

NandaGopal S., Kavitha M.G., Shahul Hameed Shabeer S., Jayasankar T (2022), "Optimized Sesame Leaf Disease Diagnosis and controlling using Machine Learning Techniques with Environmental Monitoring", Journal of Environmental Protection and Ecology, Vol. 23. (Accepted for publication)

Radha D., Kavitha M.G. (2022), "Deep Learning Enabled Privacy Preserving Techniques for Intrusion Detection Systems in the Industrial Internet of Things", Ad Hoc and Sensor Wireless Networks. (Accepted for publication)

Praveen Talari, Suresh Alex, Kavitha M.G. (2022), "An Intelligent Medical Expert System for predicting Type-2 Diabetes Using Temporal Fuzzy Rules and Neural Classifier", Intelligent Automation and Soft Computing. (Accepted for publication)

Conference Papers

Kavitha M.G. and Thenmozhi D. (2007), "Personalized Web Search Using Ant Colony Algorithm", National Conference on Information & Communication Technology (NCICT 2007), pp.31-36.

Kavitha M.G., Srinisharajeswari M. and Sumathy R. (2009), "Efficient Query Processing for Aggregation Queries", International Conference on Knowledge Networking in ICT Era (KNICT 09), pp.403-406.

Kavitha M.G., Kumaravel T. (2009), "Optimized Web Search using ID3 Algorithm", National Conference on Advanced Computing Concepts, pp.39-44.

Kavitha M.G., S. SendhilNathan, (2015), "Wireless Sensor Network: Security Issues and Challenges", National Conference on Recent Trends in Electrical Engineering, pp. 75-78.

Kavitha M.G., Sendhilnathan S. (2016), "Localization Techniques for Wireless Sensor Networks", National Conference on Advances in Mathematics and its Applications to Science and Engineering (AMASE-2016), pp.127-130.

Radha D., Kavitha M.G. (2020), "A Secure Data Transformation Framework for IIOT Network Environment", AICTE Sponsored International Virtual Conference on Antenna Innovations, 5G Communications and Network Technologies ICA5NT 2020.

Radha D., M.G. Kavitha, (2020), "A Survey on Security Attacks in IIOT Data Transformation", International e-Conference on Mechanical Engineering Research-2020 ICMER-2020.

Book Chapters

Kavitha M.G. and Kalaiselvi G. (2021), "An Effective Cloud Broker Framework for Knowledge Discovery In Multi Cloud Environment", Operationalizing Multi-Cloud Environments: Technologies, Tools and Use Cases – Springer (Scopus Indexed).

Kavitha M.G., Radha D. (2021), "Quality, Security Issues and Challenges in Multi-Cloud Environment: A Comprehensive Review", Operationalizing Multi-Cloud Environments: Technologies, Tools and Use Cases – Springer (Scopus Indexed).

Patent Details

An efficient portable solar powered seed sowing machine, Publication Date: 12/02/2021, Application Number: 202141004698 (Intellectual Property India).

An Intelligent Earphone for Remote Health Monitoring using Artificial Intelligence, Publication Date: 12/03/2021, Application Number: 202141009376 (Intellectual Property India).

An Artificial Intelligence Based Smart Purchase System for Jewelry for Enhancing Customer Satisfaction at Pandemic, Publication Date: 29/10/2021, Application Number: 202141047221 (Intellectual Property India).

I hereby declare that the details given above are true to the best of my knowledge.

PLACE: SIGNATURE

DATE: **(M.G.KAVITHA)**