

Dr. P. Alagambigai

Professor & Head

Contact Information

Official No. :

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Educational Qualification

MCA, M.Phil., Ph.D

In Easwari

Since 09 June 2009

Professional Experience

She has 19 years of teaching experience in handling undergraduate and postgraduate students. She is having teaching experience for past 8 years in Easwari Engineering College and contributed at various levels.

Research Interest

Her research areas include Data mining and Visualization.

She has published 18 research paper in peer reviewed journals/conferences.

Recent Publications

International & National Journals

- [1] P.Alagambigai, Gunaselvi Manohar, K.Suryaprakasa Rao, R.Dilli Babu,” Study about the Sources of Vehicular Pollution: A Data mining approach”, International Journal of Applied Engineering Research (IJAER), Vol. 10, No, 27, pp.21780-21784, 2015.
- [2] Alagambigai, P., Thangavel, K., “Intelligent Data Clustering: A Visual Approach,” An International Journal of Advanced Computer Technology, May 2014, ISSN - 2320-0790.
- [3] Alagambigai, P., Karthikeyani Vishalakshi., “Distributed Visual Cluster Rendering System,” An International Journal of Advanced Computer Technology, May 2014, ISSN - 2320-0790.
- [4] Alagambigai, P., Thangavel, K., “Knowledge Assisted Visualization for imbalanced Data Clustering,” International Journal on Computer Applications, Vol. 2, pp. 6-13, 2013.(Impact Factor 0.814)
- [5] Alagambigai, P., Thangavel, K., “Dimensionality Reduction for Interactive Visual Clustering: A Comparative Analysis,” Visual Analytics and Interactive Technologies: Applications of Data, Text and Web Mining, IGI Global Publications, pp. 60-78, June 2010 (Book Chapter).
- [6] Alagambigai, P., Thangavel, K., “Visual Clustering through Weight Entropy,” International Journal on Data Mining, Modelling and Management, Vol. 2(3), pp. 196-215, 2010.

- [7] D.Devakumari, K.Thangavel, P.Alagambigai, K.Sarojini, "Prediction of Classification Accuracy with Selected features in Unsupervised Data", International Journal on Recent Trends in Engineering, Vol.3, No.1, pp. 30-36, May 2010.
- [8] Thangavel. K and Alagambigai. P., "EVISTA-Interactive Visual Clustering System," International Journal on Recent Trends in Engineering, pp.83-37, 2009.
- [9] Thangavel, K., Alagambigai, P., Devakumari, D., "Improved Visual Clustering through Unsupervised Dimensionality Reduction," Goebel, R., Siekmann, J., & Wahlster, W.(Ed.), Rough Sets, Fuzzy Sets, Data Mining and Granular Computing, 5908/2009, LCNS, Springer, pp. 439-446, 2009.
- [10] Alagambigai, P., Thangavel, K., Karthikeyani Vishalakshi, N, "Entropy Weighting Feature Selection for Interactive Visual Clustering," In: Proceedings of 4th International Conference on Artificial Intelligence, pp. 545-557, 2009.
- [11] Alagambigai, P., Thangavel, K., "Feature Selection for Visual Clustering," In: Proceedings of International Conference on Advances in Recent Technologies in Communication and Computing, IEEE Computer Society, pp.498-502, 2009.
- [12] N. Karthikeyani Visalakshi, K. Thangavel, P. Alagambigai, "Distributed Fuzzy Clustering using Cluster Ensemble," Proceedings of 4th International Conference on Artificial Intelligence, pp. 999-1011, 2009.
- [13] P. Alagambigai, K. Thangavel, N. Karthikeyani Visalakshi, "Interactive Clustering in Distributed Environment," In: Proceedings of ICETET, First International Conference on Emerging Trends in Engineering and Technology, IEEE Computer Society, pp. 1200-1205, 2008.
- [14] N. Karthikeyani Visalakshi, K. Thangavel, P. Alagambigai, "Distributed Clustering for Data Sources with Diverse Schema," In: Proceedings of Third International Conference on Convergence and Hybrid Information Technology, IEEE Computer Society, Vol. 1, pp. 1058-1063, 2008.
- [15] P. Alagambigai, K. Thangavel, N. Karthikeyani Visalakshi, "Improved Visual Cluster Rendering System," In: K. Thangavel.(Eds.), Intelligent and Computing Model, Narosa Publishing House, New Delhi, pp. 16-23, 2009.
- [16] N. Karthikeyani Visalakshi, K. Thangavel, P. Alagambigai, "Distributed Clustering using Interactive Visualization," In: K. Thangavel.(Eds.), Intelligent and Computing Model, Narosa Publishing House, New Delhi, pp. 24-31, 2009.
- [17] P. Alagambigai, K. Thangavel, N. Karthikeyani Visalakshi, "Interactive Clustering for Feature Selection based on Rough Set Theory", In: Natarajan et al.(Eds.), Mathematical and Computational Model, Narosa Publishing House, New Delhi, pp. 291-299, 2007.
- [18] N. Karthikeyani Visalakshi, K. Thangavel, P. Alagambigai, "Ensemble Approach to Distributed Clustering Visualization", In: Natarajan et al.(Eds.), Mathematical and Computational Model, Narosa Publishing House, New Delhi, pp. 252-261, 2007.

List of Papers Presented In International & National Conferences

- [19] Krishnakumari Aharamuthu, Elayaperumal Ayyasamy, Alagambigai Paramasivam, "An intelligent model using visual clustering and entropy weighting feature selection for the online condition monitoring of spur gear", International Conference on Computing, Cybernetics and Intelligent Information System (CCIIS'2013) organized by School of Computing Science and Engineering, VITT Univesity, Vellore, Tamilnadu during November 21-23, 2013.
- [20] Alagambigai, P., Thangavel, K., "Knowledge Assisted Visualization for imbalanced Data Clustering," International Conference on Communication, Computing and Information Technology, Vol. 2, pp. 6-13, 2012.

- [21] Alagambigai, P., Thangavel, K., Karthikeyani Vishalakshi, N, "Entropy Weighting Feature Selection for Interactive Visual Clustering," 4th International Conference on Artificial Intelligence, pp. 545-557, 2009.
- [22] Alagambigai, P., Thangavel, K., "Feature Selection for Visual Clustering," International Conference on Advances in Recent Technologies in Communication and Computing, IEEE Computer Society, pp.498-502, 2009.
- [23] P. Alagambigai, K. Thangavel, N. Karthikeyani Visalakshi, "Interactive Clustering in Distributed Environment," First International Conference on Emerging Trends in Engineering and Technology, IEEE Computer Society, pp. 1200-1205, 2008.
- [24] N. Karthikeyani Visalakshi, K. Thangavel, P. Alagambigai, "Distributed Clustering for Data Sources with Diverse Schema," Third International Conference on Convergence and Hybrid Information Technology, IEEE Computer Society, Vol. 1, pp. 1058-1063, 2008.
- [25] P.Alagambigai, "A study on big data mining through visualization techniques" National Conference on Recent trends in Computing and Communications, held at Sairam Engineering College, Chennai. March 21, 2014
- [26] P. Alagambigai," Univariate Analysis and Feature Selection for Soft Clustering", Kongu Engineering College, Erode 6.
- [27] P. Alagambigai ,“Univariate Analysis for Data Clustering” National Conference on Communication and Computing Techniques held at S.A. Engineering College.
- [28] P.Alagambigai, "Green Energy in India : Fuel to Natural Gas" National Conference on Go Green, held at DMI Engineering College on 18th March 2011.
- [29] P. Alagambigai, K. Thangavel, N. Karthikeyani Visalakshi, "Improved Visual Cluster Rendering System," National Conference on Intelligent Computing Models held at Periyar University, Salem during 22-23 Feb 2008.
- [30] P. Alagambigai, K. Thangavel, N. Karthikeyani Visalakshi, "Interactive Clustering for Feature Selection based on Rough Set Theory", National Conference on Mathematical and Computational Models, NCMCM 2007, held at PSG College of Technology during Dec 13-15 2007.
- [31] P. Alagambigai, "Multicast Proxy Routing", UGC Sponsored National Level Seminar on Advances in Mobile Computing" held at Post-Graduate and Research Department of Mathematics & Computer Science, Erode Arts College (Autonomous), Erode, during September 29th & 30th, 2005.