Dr.A.M.Rajeswari B.E., M.E., Ph.D.

Associate Professor, Computer Science and Engineering,
Velammal College of Engineering and Technology, Madurai - 625009
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EDUCATIONAL QUALIFICATION:

Degree	Branch / Specialization	Year of Passing	Insitute / University
Ph.D	Information and Communication Engineering	2019	Anna University - Chennai
M.E	Computer Science and Engineering	2003	Thiagarajar College of Engineeing / Madurai Kamaraj University
B.E	Computer Science and Engineering	1991	Thiagarajar College of Engineeing / Madurai Kamaraj University

EXPERIENCE IN YEARS: 21 years

EMPLOYMENT HISTORY:

Position held	Employer	Date		Experience	
		From	To	Years	Months
Associate Professor	Velammal College of Engineering and Technology - Madurai	09-08-2021	Till date	-	-
Assistant Professor	Thiagarajar College of Engineeing - Madurai	07-07-2003	31-05-2020	16	10
Lecturer	Odaiyappa College of Engineering and Technology - Theni	15-06-2000	04-07-2003	03	01
Junior Instructor	Thangam Muthu Polytechnic – Periyakulam	06-11-1995	18-04-1997	01	06

CERTIFICATIONS:

- ✓ Coursera online certification on "Fundamentals of Visualization with Tableau" - 2020
- ✓ NPTEL online certification on "Data Science for Engineers" - 2019
- ✓ Database Associate DB2 Universal Database V8.1 Family, IBM - 2005
- ✓ IBM Certified Associative Developer – WebSphere studio V5.0 – 2005
- ✓ Diploma in ORACLE - 1998

INTERESTED RESEARCH AREAS:

- ✓ Databases
- ✓ Data Mining
- ✓ Data Science
- ✓ Machine Learning
- ✓ Outlier Analysis
- ✓ Precision Agriculture

DEVELOPMENT OF COMPLETE E-CONTENT IN MOOCS:

- ✓ Database Management Systems
- ✓ Databases Practices
- ✓ Data Warehousing and Mining
- ✓ Data Mining Concepts and Techniques
- ✓ Object Oriented Concepts and Design

WORSHOP / SEMINARS / FDP ATTENDED: Total: 50+

HIGHLIGHTS:

- ✓ Two days online National workshop on "AI for COVID-19 Outbreak Prediction, Forecasting, Data Analysis and Data Visualization with Python", organized by Edux Labs, 11-07-2020 to 12-07-2020.

- ✓ Two days Online Virtual Faculty Development Programme on "Design, Develop and Deliver online courses through MOODLE platform", jointly by Department of Technical Education and Coimbatore Institute of Technology, 23-04-2020 to 24-04-2020.

- ✓ TEQIP Sponsored Two Days Workshop on "Machine Learning Algorithms in Big Data Analytics for Engineering Applications", Thiagarajar College of Engineering, 11-09-2019 to 12-09-2019.

- ✓ Five day FDP on "Machine Learning and R Tool", Thiagarajar College of Engineering, 05-09-2018 to 09-09-2018.

- ✓ Certificate course on "Advanced Business Analytics using R", organized by department of CSE, IIT-Hyderabad, 21-12-2016 to 25-12-2016.

- ✓ INFOSYS Connect - "Deep Dive Enablement Program on Foundation Program 4.0", 29-08-2016 to 02-09-2016.

- ✓ Two-Week ISTE Workshop on "Database Management Systems", Organized by IIT-Bombay under National Mission on Education through ICT, 21-05-2013 to 31-05-2013.

- ✓ FDP on "Information and Storage Management" organized by Thiagarajar College of Engineering in collaboration with EMC^2, 26-12-2011 to 30-12-2011.

PUBLICATIONS DETAILS:

JOURNAL PUBLICATIONS:

S.No.	Title	Remarks / Indexed in
1.	**A.M.Rajeswari** & C. Deisy, "Prediction of risk factors for pre-diabetes using a frequent pattern-based outlier detection", International Journal of Biomedical Engineering and Technology 34(2), pp.152-171, **2020**.	• Scopus • Emerging SCI • Web of science
2.	**A.M.Rajeswari** & C. Deisy, "Fuzzy logic based associative classifier for slow learners classification", Journal of Intelligent and Fuzzy Systems, 36(3), pp.2691-2704, **2019.**	• Scopus • Emerging SCI • Web of science
3.	**A.M.Rajeswari,** S. Nithya Shalini & C. Deisy, "Discovery of Temporal Association Rules Using Train and Test Approach", International Journal of Decision Making in Supply Chain and Logistics, 2(2), pp.97-109, **2011**.	• RePec impact factor 0.175.

CONFERENCE PUBLICATIONS:

S.No.	Title	Indexed in
1.	**A.M.Rajeswari,** A. Selva Anushiya, K. Seyad Ali Fathima, S. Shanmuga Priya, & N. Mathumithaa. "Fuzzy Decision Support System for Recommendation of Crop Cultivation based on Soil Type." In 2020 4th International Conference on Trends in Electronics and Informatics (ICOEI), pp. 768-773. IEEE, **2020**.	• Scopus
2.	**A.M.Rajeswari,** M.Mahalakshmi, R.Nithyashree, & G.Nalini, 'Sentiment Analysis for Predicting Customer Reviews using a Hybrid Approach', Advanced Computing and Communication Technologies for High Performance Applications (ACCTHPA), IEEE, July, **2020**.	• Scopus
3.	A. Selva Anushiya & **A.M.Rajeswari,** "Crop Suitability Prediction and fertilizer Recommendation using Classification techniques", Proceedings of International Conference on Automation, Signal Processing, Instrumentation and Control (ICASIC), pp. 126, **2020**	• Scopus
4.	N. Rajeswari, S. Nachammai, P. Eveline Jemima, & **A. M. Rajeswari,** "Unexpected Health Issues Prediction In Medical Data Using Apriori Rare Based Outlier Detection Method." In 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), pp. 1-6. IEEE, **2019**.	• Scopus
5.	**A.M.Rajeswari,** S.K.Yalini, R.Janani, N.Rajeswari & C.Deisy, "A Comparative Evaluation of Supervised and Unsupervised Methods for Detecting Outliers", International Conference on Inventive Communication and Computational Technologies, pp. 1062-1067, IEEE, **2018**.	• Scopus • Web of science

S.No.	Title	Indexed in
6.	**A.M.Rajeswari,** M.Sumaiya Sidhika, M.Kalaivani & C.Deisy, "Prediction of Prediabetes using Fuzzy Logic based Association Classification', International Conference on Inventive Communication and Computational Technologies, pp. 780-785, IEEE, **2018**.	• Scopus • Web of science
7.	**A.M.Rajeswari,** M.Sridevi & C.Deisy, 'Outliers Detection on Educational Data using Fuzzy Association Rule Mining', International Conference on Advances in Computing, Communication and Information Science, pp. 1-9., ELSEVIER, **2014**.	• Scopus • Web of science
8.	**A.M.Rajeswari,** C.Deisy, & J.Preethi, "Generation of Temporal Class Association Rules from Quantitative Data using Evolutionary Approach", IEEE International conference on Emerging Trends in Computing, Communication and Nano Technology, pp. 270-275. **2013**.	• Scopus • Web of science
9.	**A.M.Rajeswari,** C.Deisy, V.Abirami Nachammai, & G.V.Aishwarya, "Temporal Outlier Detection on Quantitative Data using Unexpectedness Measure", 12th International Conference on Intelligent Systems Design and Applications (ISDA), pp. 420-424, IEEE, **2012**.	• Scopus • Web of science
10.	**A.M.Rajeswari,** C.Deisy, & M.S.Karthika Devi, "Mining of Quantitative Association Rules on Ozone Database using Fuzzy Logic", International Conference on Mathematical Modelling and Scientific Computation, Springer, Berlin, Heidelberg, pp. 488-494, **2012**.	• Scopus • Web of science
11.	K. Rajeswari, **A.M.Rajeswari**, C. Deisy, & Chandran, U.N., "Class Association Rule Mining on Ozone Database using Fuzzy Logic with Optimal Membership Function", Proceedings of International Conference on Computational Intelligence and Information Technology (ICCIIT), pp. DMB018 - DMB023, **2012**.	-
12.	C. Deisy, **A. M. Rajeswari**, R. M. Indra, N. Jayalakshmi, & PK Mehalaa Devi. "A Novel Relation-Based Probability Algorithm for Page Ranking in Semantic Web Search Engine." In International Conference on Information Intelligence, Systems, Technology and Management, Springer, Berlin, Heidelberg, pp. 138-148, **2011**.	• Scopus
13.	S. Nithya Shalini & **A.M.Rajeswari,** "Classification of Temporal Database using Train and Test Approach", Proceedings of Annual International Conference on Emerging Research Area (AICERA), **2011.**	-

S.No.	Title	Indexed in
14.	S. Nithya Shalini & **A.M.Rajeswari,** "Discovery of Temporal Association Rules Using Train and Test Approach", Proceedings of National Conference on Information and Network Management (NCINM), PP. 15, **2011.**	-
15.	K.V. Uma & **A.M.Rajeswari,** "Classification of Unanticipated Episodes by Temporal Associations", National Conference on Imaging, Computing, Object and Mining, PP. 511-517, **2010.**	-
16.	K.V. Uma & **A.M.Rajeswari,** "Mining Unexpected Quantitative Temporal Association Rule: Detecting Adverse Drug Reactions", International Conference on Bioinformatics and System Biology (INCOBS), PP. 31, **2010.**	-
17.	A.Gomathi & **A.M.Rajeswari,** "Mining Patterns Efficiently from Database with Temporal Data", First National Conference on Advances in Computing (NCAC), pp. 81-87, **2009**.	-
18.	V.R.Saraswathi & **A.M.Rajeswari**, "Computing Accuracy for Associative Classification", Proceedings of National Conference on Research Prospects in Knowledge Mining, pp. 13-18, **2008**.	-

RESEARCH PROFILE: WEB OF SCIENCE