

Dr. Ravi K M

Assistant Professor

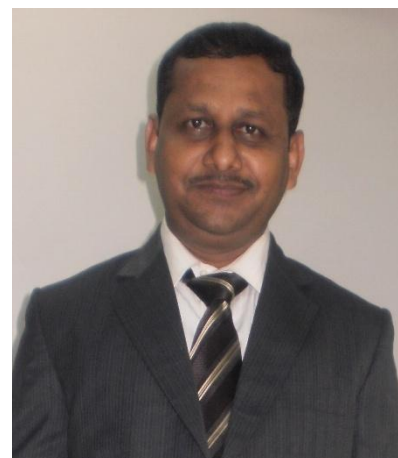
Educational Qualification M.Sc, B.Ed, Ph.D

Experience Teaching: 21 Years

Area of Interest Fuzzy Automata, Extended Fuzzy Sets, Pattern Recognition

Date of Joining RVCE 10-09-2013

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List of Publications

[International Journal : 07](#)

[National Journal : 01](#)

[Conference proceedings : 05](#)

Award

1. Awarded as “Young Faculty” in the category of (Science/Mathematics) of the VIFFA 2015 held on 5th July 2015 at Chennai.
1. Rajeesh S., Hemavathy S., T. Anil kumar, Ravi K. M., Aradhya S. M., ' The CFD Analysis of a CI engine's combustion properties as it runs on chicken fat biodiesel at variuos compression ratios", Journal of Propulsion Technology, Vol-45 No.2, pp 1859-1871, ISSN :1001-4055,2024.(Q3)
2. Lingayya Hiremath, Ravi K M,. et al. Functionalized Cellulose Nano fiber - Composite Membranes for Waste Water Treatment – A Review, Journal of Nanotechnology and Materials Science, vol. 5, no. 1, pp. 35-43, 2018.
3. Ravi K M, Alka Tripathi, Myhill-Nerode Theorem for Intuitionistic Fuzzy Regular Language, International journal of Computer & Mathematical Sciences, 6 (2), Feb 2017, 34-37, ISSN 2347 – 8527.
4. Ravi. K. M., Alka Choubey, and Tripati K. K., Intuitionistic Fuzzy Automata for Approximate String Matching, *Fuzzy Information and Engineering*, 6 (1), 2014, 29-39.
5. Alka Choubey and Ravi K. M., Minimization of Deterministic Finite Automata with Vague (Final) States and Intuitionistic Fuzzy (Final) States, *Iranian Journal of Fuzzy Systems*, 10 (1), 2013, 75-88.
6. Ravi K. M. and Alka Choubey, Interval-Valued Fuzzy Regular Language, *J. Appl. Math. & Informatics*, 28 (3-4), 2010, 639–649.

7. Alka Choubey and Ravi K. M., Intuitionistic Fuzzy Automata and Intuitionistic Fuzzy Regular Expressions, *J. Appl. Math. & Informatics*, 27 (1-2), 2009, 409–417.

List of National Journal Publications:

1. Alka Choubey and Ravi K. M., Vague Regular Language, *Advances in Fuzzy Mathematics*, 4 (2), 2009, ISSN 0973-533X, 147–165.

List of Conference Proceedings Publications:

1. Narendra Kumar S, Ravi K M, Arahanth M, G Satheesh, Pragathi Basavaraj, Machine Learning-Based Food Edibility Prediction Using Neural Networks, IEEE Xplore, DOI: [10.1109/CSITSS64042.2024.10817009](https://doi.org/10.1109/CSITSS64042.2024.10817009) **Electronic ISBN:979-8-3315-0546-2,Electronic ISSN: 2767-1097.**
2. Raghavendra Prasad S G, Ravi K M, Yadunandan S G, Jitendranath Mungara, Comparative study of adders used in designing high speed vedic multipliers for VLSI applications, 2 nd International Conference on Vedic Mathematics, vol. 1, pp. 90-93, 2017.
3. Ravi K M, Raghavendra Prasad S G, Shivakumar N, A fuzzy model for analyzing vedic mathematics, 2 nd International Conference on Vedic Mathematics, vol. 1, pp. 111-119, 2017.
4. Ravi K. M. and Alka Choubey, Myhill-Nerode theorem for Interval-valued Fuzzy Regular Language, American Institute of Physics, Conf Proc, 1324 (1), 2010, 30-34.
5. Ravi K. M. and Alka Choubey, Intuitionistic Fuzzy Regular Language, Proceedings of International Conference on Modelling and Simulation, CITICOMS 2007, ISBN No. 81-8424-218-2, 659-664.