

**Name of Faculty:** Dr.Ch. Srilatha (Id : 1488)

**Designation:** Associate Professor of IT

**Qualifications:** Ph.D (CSE)

**Experience:** 4 years 6 months

**Research Interest:** Rough sets, fuzzy sets, attribute reduction, attribute discretization, rule generation, evolutionary algorithms, machine learning, data mining, soft computing

**No. of Publications:** 7



### Journal papers

1. S. Chebrolu and S.G. Sanjeevi [2016]. "Attribute Reduction on Real-Valued Data in Rough Set Theory Using Hybrid Artificial Bee Colony-Extended FTSBPSD Algorithm", *Soft Computing*, Springer, pp 1-27.
2. S. Chebrolu and S.G. Sanjeevi [2015]. "Forward tentative selection with backward propagation of selection decision algorithm for attribute reduction in rough set theory", *International Journal of Reasoning based Intelligent Systems (SCOPUS)*, Inderscience, Vol 7, No. 3/4, pp 221-243.
3. S. Chebrolu and S.G. Sanjeevi [2013]. "Analysis of Decision-Theoretic Rough Set Model Based on Error Rate", *International Journal of Artificial Intelligence and Knowledge Discovery*, Vol 3, No. 1, pp 1-7.
4. S. Chebrolu and S.G. Sanjeevi [2012]. "Rough set theory for discretization based on boolean reasoning and genetic algorithm", *Int J Comput Corp Res*, Vol 2, No. 1, pp 75-86.

### Conference papers

1. S. Chebrolu and S.G. Sanjeevi [2011]. "Attribute Reduction in Decision-Theoretic Rough Set Model using Genetic Algorithm", *Second International Conference on Swarm Evolutionary and Memetic Computing (SEMCCO)*, DEC-2011, B.K.Panigrahi et al. (Eds.): LNCS 7076, Springer-Verlag Berlin Heidelberg, pp. 307-314.
2. S. Chebrolu and S.G. Sanjeevi [2015]. "Attribute Reduction in Decision-Theoretic Rough Set Model using Particle Swarm Algorithm with the threshold parameters determined using LMS training rule", *Third International Conference on Recent Trends in Computing (ICRTC)* 12 - 13 March-2015, Volume 57, Elsevier Procedia Computer Science Journal, pp. 527-536.

3. S. Chebrolu and S.G. Sanjeevi [2015]. "Attribute Reduction on Continuous Data in Rough Set Theory using Ant Colony Optimization Metaheuristic", ACM Proceedings of the Third International Symposium on Women in Computing and Informatics (WCI-2015) 10 - 13 August 2015, pp. 17-24.