

## **Profile**



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### **Educational Qualification:**

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| B.E (CSE) and M.E (CSE) | : Sri Ramakrishna Engineering College,<br>Coimbatore in 2002 and 2004 |
| Ph. D                   | :ICE, Anna University, Chennai  |
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## **JOURNAL(S) PUBLISHED**

1. S Shanmugam, J Preethi, "A hybrid Grey Wolf Optimization and Particle Swarm Optimization with C4. 5 approach for prediction of Rheumatoid Arthritis", Journal of Applied Soft Computing, 2020.
2. Viswanathan Sangeetha, Jayavel Preethi, Raghunathan Krishankumar, Kattur S Ravichandran, Ramachandran Manikandan," Cluster Analysis of Breast Cancer Data Using Modified BP-RBFN", Soft Computing Applications and Techniques in Healthcare, Pages 235-256, Publisher CRC Press, 2020.

3. Shrihariprasath Basuvaiyan, J Preethi,” Internet of Things Towards Smart Solar Grid Systems for Home Appliances”, International Conference on Intelligent Data Communication Technologies and Internet of Things, Pages 771-778, 2019.
4. S Shanmugam, J Preethi,” Improved feature selection and classification for rheumatoid arthritis disease using weighted decision tree approach (REACT)”, The Journal of Supercomputing, Volume 75, Issue 8, Pages 5507-5519, 2019.
5. S Shanmugam, J Preethi, “Design of Rheumatoid Arthritis Predictor Model Using Machine Learning Algorithms”, Cognitive Science and Artificial Intelligence, Pages-67-77, Publisher- Springer, Singapore, 2018.
6. S. Shanmugam, J. Preethi, “A study of Early prediction and Classification of Arthritis disease using soft computing techniques”, International journal of research in Engineering and Application Management, Volume-3, Issue-5, Pages 35-47, 2017.
7. J.Preethi , A Anandha Babu, “Energy aware task scheduling based on dynamic data allocation in cloud computing environment”, International Journal of Innovative Science and Applied Engineering Research, 2017.
8. J Preethi, R Jayasudha, “Load balancing for grid computing environments using auto controlled Ant colony optimization technique”, International Conference on Innovations in Green Energy and Healthcare Technologies (IGEHT), Pages-1-12, Publisher-IEEE, 2017.
9. J.Preethi R.Saranya, “Wireless Sensors for Home Monitoring System using IOT”, International Journal of Emerging Technologies in Engineering Research, Volume-5, Issue-6, Pages: 117-121 Publisher: Everscience Publications, 2017.
10. J Preethi, S Sowmiya, R Shalini, “A Survey on EEG Based Emotion Analysis Using Various Techniques”, The International Journal of Science and Technology, Volume-4, Issue-2, Pages-35, 2016.
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12. Sowmiya Sekaran J.Preethi, Shalini Raju, “A Survey on Lung Tissue Categorization”, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)(ISSN-2278-1323), Volume-5, Issue-2, Pages 270-275, 2016.
13. S Dhivya, J Preethi, M Kirthika, “Brain Tumor Segmentation using FCM in MRI Images”, South Asian Journal of Engineering and Technology, Volume-2, Issue-15, Pages:44-50, 2016.

- 14.M Sreeshakthy, J Preethi, "Classification of Human Emotion from Deap EEG Signal Using Hybrid Improved Neural Networks with Cuckoo Search", BRAIN. Broad Research in Artificial Intelligence and Neuroscience, Volume-6, Issue-3-4, Pages: 60-73, 2016.
- 15.J Preethi, K DeviPriya, S Dhivya, "Classification of Medical Dataset using Soft computing Techniques", South Asian Journal of Engineering and Technology, Volume-2, Issue-15,Pages-51-57, 2016.
16. M Krithika, J Preethi, K Devi Priya, "Efficient Bone Age Assessment Methods", South Asian Journal of Engineering and Technology, Volume-2, Issue-15, Pages: 58-67, 2016.
- 17.R Logapriya, J Preethi, "Efficient Methods in Wireless Sensor Network for Error Detection, Correction and Recovery of Data", International Journal of Novel Research in Computer Science and Software Engineering, Volume-3, Issue-2, Pages 47-54, 2016.
- 18.S.Sowmiya J.Preethi, "Emotion recognition from EEG signal using ISO-FLANN with firefly algorithm", International Conference on Communication and Signal Processing (ICCSP), 2016