

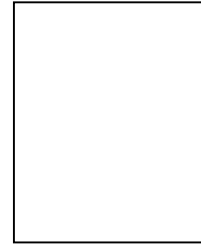
## Faculty Profile

**Mrs. S Jeba Priya, M.Tech**

Assistant Professor,

Department of Computer Science and Engineering

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### Academic Background

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Degree	University	Year
Ph.D	Manonmaniam Sundaranar University	Pursuing
M.Tech	Karunya University	2010
B.Tech	Manonmaniam Sundaranar University	2004

### Courses Taught

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- Data Mining and Data Warehousing
- Mobile Computing
- Object Oriented Analysis and Design
- Computer Architecture
- Blockchain Technologies

### Research Interests

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- Deep Learning
- Machine Learning
- Data Mining
- Networking

### Most recent Publications

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- **S. Jeba Priya**, Arockia Jansi Rani, M.S.P. Subathra, Mazin Abed Mohammed, Robertas Damaševičius and Neha Ubendran, "Local Pattern Transformation Based Feature Extraction for Recognition of Parkinson's Disease Based on Gait Signals", *Diagnostics* 2021, 11, 1395.<https://doi.org/10.3390/diagnostics11081395>. **Impact Factor – 3.706**

- **S. Jeba Priya**, S. Joshua Jaistein, G. Naveen Sundar and T. Raja Sundrapandiyanleebanon, "Deep Learning based enhanced classification model for pneumonia disease", 4<sup>th</sup> International Conference on Smart Computing & Informatics, 9-10, October 2020.
- David S, Anand R.S., Sheikh **S, Jebapriya**, S, Andrew J, Xavier S.B, "A comprehensive overview on intelligent mechanical systems and its applications", *Materials Today: Proceedings* 37(2020), pp. 733-736
- Palmer. M, Kathrine. G.J.W, **Jebapriya. S**, "Comprehensive Analysis of Smart grid Security with Intelligent Machine Learning based Framework", 7<sup>th</sup> International Conference on Advanced Computing and Communication System, pp. 307-313, 2021.
- **S. Jeba Priya**, Arockia Jancy Rani, Shamila Ebenezer.A, Comprehensive study of Parkinson's disease prediction, *Journal of Green Engineering*, (2020) 10(4), pp.1762-1775.
- **S. Jeba Priya**, Shamila Ebenezer.A, Madhu.T, Prediction of Parkinson 's disease using local ternary pattern for gait signals, 3<sup>rd</sup> International Conference on Smart Systems and Inventive Technology, (2020), pp 545-549.
- **S. Jeba Priya**, Naveen Sundar, Narmadha Utilization of Data Analytics-based Approaches for Hastle-Free Prediction Parkinson's Disease, *Advances in Intelligent Systems and Computing*, (2020) 1040, pp. 53-58.
- **S. Jeba Priya**, Arockia Jancy Rani, Soundarya, Diagnosis of Parkinson's Disease using Fast Fourier Transforms, 5<sup>th</sup> International Conference on Devices, Circuits and Systems, 2020, pp. 198-202.
- **S. Jeba Priya**, Arockia Jancy Rani, Neha Ubendran, Improving the prediction accuracy of Parkinson's disease based on pattern techniques, 5<sup>th</sup> International Conference on Devices, Circuits and Systems, 2020, pp. 188-192.
- Ebenezer, A, S., **Jebapriya S.**, Raja Bose, B.J., "Predictive analysis of cryptocurrencies for developing an interactive cryptocurrency chatbot using IBM Watson assistant" *International Journal of Innovative Technology and Exploring Engineering* (2019) 8(10), pp. 436-447.
- **Jebapriya, S.**, David, S., Kathrine, J.W., Sundar, N. "Support vector machine for classification of Autism Spectrum Disorder based on abnormal structure of Corpus Callosum" *International Journal of Advanced Computer Science and Applications*, (2019) 10(9), pp. 489-493.
- Vikinwhitman, C., **Jebapriya, S.**, Debu, B., Sharma, P., Bennisamprakash, "Identification of weeds on crop lands for site specific spraying" *International Journal of Innovative Technology and Exploring Engineering*, (2019), 8(5), pp. 117-123.

- Naveen Sundar, G., Narmadha, D., **Jebapriya, S.**, Malathy, M., “Optimized methodology for hassle-free clustering of customer issues in banking”, *Advances in Intelligent Systems and Computing* (2019), 768, pp. 421-428.
- **Jeba Priya, S.**, Naveen Sundar, G., Narmadha, D., Ebenezer, S., “Identification of weeds using Hsv color spaces and labelling with machine learning algorithms”, *International Journal of Recent Technology and Engineering*, (2019) 8(1), pp. 1781-1786.

#### Projects Guided

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- Prediction of Parkinsons Disease Using Local Ternary Pattern for Gait Signals
- Parkinson’s disease Prediction using Local Binary Pattern Techniques
- Long Term solar radition forecasting
- Smart Drone in Precision Agriculture
- An Efficient Approach for Parkinson’s Disease using Harmonic Wavelets
- Prediction of Pneumonia Disease using Deep Learning Technique
- Wild Species Obstacle Detection and Collision Avoidance using Deep Learning

#### Significant achievements:

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- Achieved Best Paper Award for the paper titled “Improving the Prediction accuracy of Parkinson’s based on Pattern techniques” in 5<sup>th</sup> IEEE International Conference on Devices, Circuits and System (ICDCS’20)