

Faculty Profile

Nirmal Varghese Babu

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Academic Background

Degree	University	Year
Ph.D	Karunya Institute of Technology and Sciences	Pursuing
M.Tech	APJ Abdul Kalam Technological University, Trivandrum	2019
B.Tech	Karunya University	2017

Courses Taught

- Artificial Intelligence for Games
- Web Technology Lab

Research Interests

- Machine Learning
- Text Analysis
- EEG Analysis
- Big Data Analytics

Most recent Publications

- Nirmal Varghese Babu, Dr. E. Grace Mary Kanaga (2022), "**Sentiment Analysis in Social Media Data for Depression Detection using Artificial Intelligence: A Review**", Springer Nature Computer Science, **3**, Article number: 74 (2022).
- Nirmal Varghese Babu, Dr. E. Grace Mary Kanaga, "Multiclass **Text Emotion Recognition in Social Media Data**" in the 4th International Conference on Machine Intelligence and Signal Processing- 2022, NIT Raipur.
- Nirmal Varghese Babu, Dr. E. Grace Mary Kanaga, "Depression **Analysis using Electroencephalogram Signals and Machine Learning Algorithms**" in the 3rd International

Conference on Intelligent Computing, Instrumentation and Control Technologies – 2022, Vimal Jyothi College of Engineering, Kannur.

- Nirmal Varghese Babu, Fabeela Ali Rawther(2021), “ **Multiclass Sentiment Analysis in Text and Emoticons of Twitter Data: A Review**, “ Second International Conference on Networks and Advances in Computational Technologies.
- Nirmal Varghese Babu, Fabeela Ali Rawther(2019), “ **Multiclass Sentiment Analysis of Social Media Data using Neural Networks**”, International Journal of Engineering and Advanced Technology.
- Nirmal Varghese Babu, Fabeela Ali Rawther(2019),” **User Behaviour Analysis on Social Media Data using Sentiment Analysis or Opinion Mining**”, International Research Journal of Engineering and Technology.