

Dr D Karthika Renuka
INDO-US WISTEMM FELLOW
Associate Professor,
Dept. of Information Technology,
PSG College of Technology, Peelamedu, Coimbatore 6410 04
Mobile: 9976128726
Email: karthirenu@gmail.com , dkr.it@psgtech.ac.in

List of Publications:

National/International Journals:

1. M.C.Shunmugapriya, D.Karthika Renuka, L.Ashok Kumar, P.Priya Dharshini, J.Akila, K.Aneesha Banu (2021). Recurrent network-based hybrid acoustic model for Automatic Speech Recognition. Turkish Journal of Computer and Mathematics Education (TURCOMAT), 12(10), 7308-7315.
2. Anusuya, R., Renuka, D. K., & Kumar, L. A. (2021, January). Review on Challenges of Secure Data Analytics in Edge Computing. In 2021 International Conference on Computer Communication and Informatics (ICCCI) (pp. 1-5). IEEE.
3. Saranya, N., & Renuka, D. K. (2021, May), "Brain Tumor Classification Using Convolution Neural Network", In Journal of Physics: Conference Series (Vol. 1916, No. 1, p. 012206). IOP Publishing.
4. D Karthika Renuka, L Ashok Kumar, 2020, A Mobile Video Based Indian Sign Language Identification, National Journal of Technology 16 (4), 106. 5. Karthika Renuka D , Pooventhiran G, Sandeep A , Manthiravalli K, Harish D,2020, "Speaker-Independent Speech Recognition using Visual Features" , International Journal of Advanced Computer Science and Applications(IJACSA), Volume 11 Issue 11, 616-620, 2020.
6. Karthika Renuka D, Akalya devi C, Kiruba Tharani R, Pooventhiran G, 2020, "Affective Model based Speech Emotion Recognition using Deep Learning Techniques" Indian Journal of Computer Science, ISSN: 2456-4133.

7. Saranya and D. Karthika Renuka, "A Survey on Epilepsy Seizure Detection Using Machine Learning Technique", International Journal of Advanced Information and Communication Technology, July 2020.
8. Harish Kumar, N. G., Pooventhiran, G., & Karthika Renuka, D. "Landslide Type Prediction using Random Forest Classifier", International Journal of Computer Sciences and Engineering, Vol.-8, Issue-2, Feb 2020.
9. Soundarya S Akalya devi C, Dr. Karthika Renuka D, 2019, International Journal of Emerging Technology and Innovative Engineering, "An EEG Based Emotion Recognition and Classification Using Machine Learning Techniques", Volume 5, Issue :4, Pages:744-750.
10. G. Poovandiran, D. Karthika Renuka, Dr. L. Ashok Kumar, Dr. S. Lovelyn Rose, M. Lavanya, M. C. Shunmuga priya, "Speech Diarization and Transcription using Deep Learning", National Journal of Technology, vol. 10, no. 2, pp. 75-83, 2020.
11. Vinitha, V. S., & Renuka, D. K. (2020). MapReduce mRMR: Random Forests-Based Email Spam Classification in Distributed Environment. In Data Management, Analytics and Innovation (pp. 241-253). Springer, Singapore.
12. M. P. Geetha, D. Karthika Renuka, "Research on Recommendation Systems using Deep Learning Models", International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-4, November 2019.
13. P. Chitra, D. Karthika Renuka, K. Senathipathi, S. Deepika, and R. Geethamani, 2019, "A Survey on Load Balancing Algorithms for Cloud Environment", Journal of Computational and Theoretical Nanoscience, Vol. 16, 1-4, 2019.
14. Devi, C. A., Karthika Renuka, D., & Soundarya, S, 2018, "A Survey Based on Human Emotion Identification Using Machine Learning and Deep Learning", Journal of Computational and Theoretical Nanoscience, 15(5), 1662-1665.
15. D. Karthika Renuka, S. Lovelyn Rose, L. Ashok Kumar, 2017, "Design and implementation of e-learning system using deep learning based on audio- video speech recognition for hearing impaired", Perspectivas em Ciencia da Informacao, v.22, spl.2, p192., Nov./Dec. 2017 ISSN 1413-9936.
16. Karthika Renuka, D & Visalakshi, P, 2017, "Weighted-based multiple classifier and F- GSO algorithm for email spam classification", International Journal of Business Intelligence and Data Mining, 12(3), 274- 298.
17. Karthika Renuka, D & Visalakshi, P, 2017, "An Ensembled Classifier for Email Spam Classification in Hadoop Environment", Applied Mathematics & Information Sciences, Vol.11, No. 4, 1-6.

18. Karthika Renuka, D & Visalakshi, P , 2017, “Email Spam Classification in a Distributed Environment”, Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 1, pp. 950-961.(Annexure I).

National/International Conferences:

1. V. Sri Vinitha, Karthika Renuka, D & A.Bharathi, 2018,“E-Mail Spam Classification using Random Forest in Distributed Environment, International Conference On Cyber Physical Systems For Next Generation Computing (CPSNGC-2018), March 1-3.
2. C.Akalya Devi, S.Soundarya & D.KarthikaRenuka, 2018, “A Survey Based On Human Emotion Identification Using Machine Learning And Deep Learning”, International Conference On Cyber Physical Systems For Next Generation Computing (CPSNGC-2018), March 1-3.
3. C.Akalya Devi, D.KarthikaRenuka, 2019, “FACIAL EXPRESSION BASED EMOTION RECOGNITION USING DEEP LEARNING”, International Conference on Artificial Intelligence, Smart Grid and Smart City Applications (AISGSC 2019),
4. V. Sri Vinitha , Dr.D.Karthika Renuka, 2019, “MapReduce MRME RANDOM FORESTS BASED EMAIL SPAM CLASSIFICATION IN DISTRIBUTED ENVIRONMENT”, International Conference on Data Management, Analytics & Innovation 2019, Malaysia.
5. V. Sri Vinitha , Dr.D.Karthika Renuka, 2019, “FEATURE SELECTION TECHNIQUES FOR EMAIL SPAM CLASSIFICATION A SURVEY”, International Conference on Artificial Intelligence, Smart Grid and Smart City Applications (AISGSC 2019).
6. V Sri Vinitha, D Karthika Renuka, 2019/4/4, 2019 International Conference on Advances in Computing and Communication Engineering (ICACCE), “Performance Analysis of E-Mail Spam Classification using different Machine Learning Techniques”, 1-5, IEEE.