

Publications

Journals

1. A. Sheik Abdullah, P. Karthikeyan, S. Selvakumar, R. Parkavi, A Strategic Approach in Handling Information Retrieval Course for Attaining Course Outcomes – A Case Study, The Eighth International Conference on Transformations in Engineering Education (ICTIEE 2021), Published in Journal of Engineering Education Transformations, (JEET), Volume 34, Special Issue, ICTIEE 2021.DOI: 10.16920/jeet/2021
2. A. Sheik Abdullah, R. M. Abirami, A. Gitwina, C. Varthana, Assessment of Academic Performance with The E-mental Health Interventions in Virtual Learning Environment Using Machine Learning Techniques: A Hybrid Approach, The Eighth International Conference on Transformations in Engineering Education (ICTIEE 2021), Published in Journal of Engineering Education Transformations, (JEET).
3. A. Sheik Abdullah, R. M. Abirami, A. Gitwina, C. Varthana, “Assessment of Academic Performance with The E-mental Health Interventions in Virtual Learning Environment Using Machine Learning Techniques: A Hybrid Approach”, Journal of Engineering Education Transformations, Vol.34, Special Issue, 2021. DOI: 10.16920/jeet/2021/v34i0/157109
4. A. Sheik Abdullah, P. Karthikeyan, S. Selvakumar, R. Parkavi, “A Strategic Approach in Handling Information Retrieval Course for Attaining Course Outcomes – A Case Study”, Journal of Engineering Education Transformations, Vol.34, Special Issue, 2021.DOI: 10.16920/jeet/2021/v34i0/157125
5. A.Sheik Abdullah, S.Selvakumar, M.Venkatesh, “Assessment and evaluation of CHD risk factors using weighted ranked correlation and regression with data classification”. Vol. 25, No. 6, pp. 4979–5001Soft Computing, Springer. 2021. <https://doi.org/10.1007/s00500-021-05663-y>, Impact Factor:3.050 [Indexed in Scopus, SCI, Web of Science]
6. A.Sheik Abdullah, K. Akash, KRA Bhubesh, S. Selvakumar, “Development of a Predictive Model for textual data using Support Vector Machine based on diverse Kernel Functions upon Sentiment Score Analysis”, International Journal of Natural ComputingResearch, IGI Global. Volume 10, No.2, PP. 1-20, 2021. DOI: 10.4018/IJNCR.2021040101
7. K. Indira,(2020). EFFICIENT MACHINE LEARNING TECHNIQUE TO PREDICT DIABETICS USING MULTILAYER PERCEPTRON. PalArch’s Journal of Archaeology of Egypt / Egyptology, 17(7), 4816-4824. Retrieved from <https://archives.palarch.nl/index.php/jae/article/view/2600>.(Q3 Journal)
8. Indira, K., & Kavithadevi, M. K., "Efficient machine learning model for movie recommender systems using multi-cloud environment." Mobile Networks and Applications, 24(6), 1872-1882, 2019.
9. Abirami, A.M.,Pudumalar, S., S.Thiruchadai Pandeewari, "Active Learning Strategies and Blended Learning Approach for Teaching Under Graduate Software Engineering Course", Journal of Engineering Education Transformations, 35(1), pp.42-51.
10. An Empirical Study on the Impact of Industry Supported Courses in enhancing the Graduate Outcomes ,Journal of Engineering Education Transformations, Volume No 35, January 2022, Special issue, eISSN 2394-1707

11. K. Abhirami, M. K. Kavitha Devi, "Student Behavior Modeling for an E-Learning System Offering Personalized Learning Experiences", *Computer Systems Science & Engineering*, 40(3): 1127-1144, 2022
12. Weed Classification Using Particle Swarm Optimization and Deep Learning Models, *Computer Systems Science and Engineering*, vol. 44, no.1, pp. 913–927, 2022
13. Mr P. ManojKumar, M. Parvathy, and Ms C. Abinaya Devi. "An Intelligent Approach for Intrusion Detection using Convolutional Neural Network." *Journal of Network Security Computer Networks* (e-ISSN: 2581-639X) 8.1 (2022): 1-17.
14. Subbulakshmi B, Deisy C;An adaptive algorithm for frequent pattern mining over data streams using diffset strategy, *International Journal of Business Information Systems*, Vol. 31, No. 1, 2019.
15. S.Padmavathi et al, "A Performance evaluation of a fuzzy logic controller-based Photovoltaic-fed multi-level inverter for a three-phase induction motor",*Journal of the Franklin Institute* (2021),358(15), pp. 7394–7412 (Q1 Journal)
16. Ramanujam,E. and Padmavathi, S. "Real time fall detection using infrared cameras and reflective tapes under day/night luminance", *Journal of Ambient Intelligence and Smart Environments*,2021,13(4),285-300.Impact Factor:2.12 (WOS indexed)
17. Ramanujam, E., Padmavathi, S., "Statistical assessment of ambient assistive techniques by elders to enhance their well being from fall events",*International Journal of Service Science, Management, Engineering, and Technology*this link is disabled, 2021, 12(4), pp. 164–179
18. Ramanujam, E., Padmavathi, S, "Discriminate supervised weighted scheme for the classification of time series signals",*International Journal of Sociotechnology and Knowledge Development*this link is disabled, 2021, 13(3), pp. 1–16
19. Chandrakumar T, Parthasarathy S , Sridevi S, Ramya T, "CONSUMER'S PERCEPTION OF DIGITAL TRANSACTIONS IN INDIA: SENTIMENT ANALYSIS USING R", accepted for publication in *Int. J. of Business Information Systems*, Inderscience , 2022. (Scopus Indexed)

Conferences

1. A.Sheik Abdullah, R.Suganya, A.M.Abirami, KRA Bhubesh, Detecting Subacute Thyroiditis after COVID-19 infection using Deep Learning Techniques – A Case Study, *National Virtual Conference on Advanced Informatics, Electronics and Vision 2021 (NCAIEV'21)*, IOP Science Publishers, Conference Series, Volume 1917.
2. A.Sheik Abdullah, A.Manoj, S.Selvakumar, Assessment and Evaluation of cancer CT images using deep learning Techniques, *Second International Conference on Secure Cyber Computing and Communication (ICSCCC)*, NIT Jalandhar, IEEE xplore.
3. C.Santhiya,A.Sheik Abdullah,R.Parkavi,S.Pudhumalar," Semantic Correction system using neural networks" ,*AIP Conference Proceedings* 2408,030007(2021),DOI:10.1063/5.0072647
4. T. Saranya, C. Deisy, S. Sridevi, Kalaiarasi Sonai Muthu and M. K. A. Ahamed Khan,"Performance Analysis of First Order Optimizers for Plant Pest Detection Using Deep Learning", *International Conference on Machine Learning, Image Processing, Network Security and Data Sciences* ,MIND 2022,Springer,DOI: 10.1007/978-3-031-24367-7_4
5. Sankarasubramanian,Yajith Vishwa,Yogith,K.V.Uma,C.Deisy,Document Classification and Automatic Grading,IEEE sponsored Second International Conference on Advances in

Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2022) , Shri Shankaracharya Technical Campus (SSTC),Bhilai, Chhattisgarh, India during 21 - 22, April 2022

6. Juhi Padmaja,Vinoodhini,K.V.Uma ,“Effective Classification of IBM HR Analytics Employee Attrition UsingSampling Techniques” in the 2022 IEEE Sponsored Second International Conference on Advances in Electrical, Computing,Communications and Sustainable Technologies (ICAECT 2022) held at Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 21 - 22
7. Prevention of Deepfakes using Blockchain, International Conference on Artificial Intelligence: Theory & Applications, 2021
8. Collaborative Learning : A Case Study on Information Security and Auditing Management Course, International Conference for Advancement in Technology, 2022
9. The Role of Discussion Forums and Peer Assessment in enhancing Team Building Skills and Cognitive Learning, Mini Symposium on Effective Practices in Teaching-Learning, IUCEE, 2022
10. Thiruchadai Pandeewari Sadatcharapandian, Padmavathi S, “Service Placement and Management approaches in Fog Computing- A Survey on key challenges and solution approaches”, 7th International Conference on Computers, Management and Mathematical Sciences, University of Parthenope, Italy
11. An Empirical Study on the Impact of Industry Supported Courses in enhancing the Graduate Outcomes, ICTIEE 2022
12. B.Subbulakshmi, C.Deisy , Incremental Mining of Class Association Rules using Hash based approach , International Conference on Innovative Systems (ICIS 2016) Dec 2016.
13. Presented paper entitled on “Age Group Classification and Gender Prediction Based on Facial Complexion” in International Conference on Business Analytics and Intelligence (ICBAI) held at Indian Institute of Management, Bangalore.
14. S.Padmavathi, G.Jeyashree, "A Fog Cluster Based Framework for Personalized Healthcare Monitoring" in International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC'2021),BHU, December 2021
15. S.Padmavathi and Malarvizhi,D, "Condition Monitoring Predictive Maintenance of Industrial IoT systems using Fog Computing", Third International Conference on Communication & Intelligent Systems (ICCIS'2021),NIT Delhi, December 26-27,2021
16. W. Y. Heng, Sridevi S et al., "Development of a Laboratory-Scale Pipeline Crack Inspection Robot," 2021 IEEE International Conference on Automatic Control & Intelligent Systems (I2CACIS), 2021, pp. 265-269, doi: 10.1109/I2CACIS52118.2021. 9495871.(Scopus Indexed).
17. Kalaiarasi Sonai Muthu Anbananthen, Sridevi Subbiah, Deisy C , “Improving the Prediction of Crop Yield with a Stacked Generalization Ensemble Method”, in International Conference on Computer, Information Technology and IntelligentComputing ICITIC 2021organized by Multimedia University, Malaysia, 2021.
18. A.Sajeev Krishna, S.Sridevi et.al., “An Intelligent Smart Waste Management System using Mobile Application and IoT” accepted in 4th International Conference on Machine Intelligence and signal Processing (MISP 2022), March 12-14, 2022 organized by NIT Raipur . The proceedings will be published in Lecture notes in Electrical Engineering, Springer. (Scopus Indexed)

19. Thiruchadai Pandeewari Sadatcharapandian, Padmavathi S, "Service Placement and Management approaches in Fog Computing- A Survey on key challenges and solution approaches", 7th International Conference on Computers, Management and Mathematical Sciences, University of Parthenope, Italy

Books/ Book Chapters

1. M. Manikandakumar, E. Ramanujam, "Security and Privacy Challenges in BigData Environment", Book Chapter, IGI Global, DOI: 10.4018/978-1-5225-4100-4.ch017
2. "Essentials, Challenges, and Future Directions of Agricultural IoT: A Case Study in the Indian Perspective", Handbook of Emerging Trends in IoT and Integration with Data Science, Cloud Computing, and Big Data Analytics, IGI Global, Chapter 10, Pages 181-196, 2021
3. "A Text Analytics-based E-Healthcare Decision Support", Book of Smart Computational Intelligence in Biomedical and Health Informatics, CRC Press, 2021
4. "QR Based Paperless Out-Patient Health and Consultation Records Sharing System" in Machine Learning and Big Data Analytics, Lecture Notes in Networks and Systems, Volume 256, pp. 106–116, 2021, https://doi.org/10.1007/978-3-030-82469-3_10
5. Saraswathy Meena R, Saranya R, Deisy C, Parthasarathy S, Sridevi S, "A Decision Support System for understanding the importance of Two-dosage Vaccination", in International Conference on Computational Methods and Data Engineering - ICCMDE organized by VIT Vellore, 2021. Accepted to publish in Scopus indexed book chapter. (Scopus Indexed).
6. Abdul Quaayum, S Sridevi et al, "An efficient 1DCNN-LSTM deep learning model for assessment and classification of fMRI-based autism spectrum disorder", in 3rd International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2021), organized by RVS College of Engineering and Technology, 2021. Accepted to publish in Scopus indexed book chapter.