THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE

Integrated M.Sc (Data Science - 5 Years) Programme

<u>Publications 2022-2023</u>

<u>Journals</u>

1. Sivagurunathan, S., & Parthasarathy, S. (2022). A Framework for a Seamless Transformation to Online Education. Computers, 11(12), 183 WoS.

2. Sharmila, P., Anbananthen, K. S. M., Chelliah, D., Parthasarathy, S., & Kannan, S. (2022). PDHS: Pattern-Based Deep Hate Speech Detection With Improved Tweet Representation. IEEE Access, 10, 105366-105376 WoS, Q1.

3. Chandrakumar, T., Parthasarathy, S., Sridevi, S., & Ramya, T. (2022). Consumer's perception of digital transactions in India: sentiment analysis using R. International Journal of Business Information Systems, 41(2), 193-206 Scopus, Q2.

4. Saraswathi, S., Deepa, G., Vennila, G., Parthasarathy, S., & Ramadoss, B. (2022). A SURVEY ON BIG DATA: INFRASTRUCTURE, ANALYTICS, VISUALIZATION AND APPLICATIONS. International Journal of Industrial Engineering, 29(5) WoS, Q3.

5. Parthasarathy, S., Sivagurunathan, S., & Subramanian, G. H. (2022). What Should a Startup Know About Software Customization?. International Journal of Information Technology Project Management (IJITPM), 13(1), 1-13 WoS, Q3.

6. Subbulakshmi, B., Deisy, C., & Parthasarathy, S. (2023). A Novel Incremental Framework for Building Classifier Using Constraint Class Association Rules. International Journal of Information Retrieval Research (IJIRR), 13(1), 1-21 WoS.

7. Padmapriya, S. T., & Parthasarathy, S. (2023). Ethical Data Collection for Medical Image Analysis: a Structured Approach. Asian Bioethics Review, 1-14 WoS, Q1.

8. Anitha, D., Kavitha, D., Jeyamala, C., & Sharmila, P. (2023). Lessons from a Blended Learning Implementation–What to do and what not to do?. Journal of Engineering Education Transformations, 36(Special Issue 2) Scopus, Q3.

9. Kavitha, D., & Anitha, D. (2023). Virtual Lab Integrated Flipped Class for Effective Implementation of CDIO Framework in a Theory Course–A Case Study. Journal of Engineering Education Transformations, 36(Special Issue 2) Scopus, Q3.

10. Saraswathi Meena, R., Saranya, R., Neeraja, U., & Senthil Shanmugam, K. (2023). Best peer active learning strategies for problem solving using C programming. Journal of Engineering Education Transformations, 36(4) Scopus, Q3.

11. SJ, T. (2023). An Experimental Journey with Self-Made Online Courses: How does it differ?. Journal of Engineering Education Transformations, 36 Scopus, Q3.

12. Chandrasekaran, J., Anitha D., & KV, U. (2023). An Effective Instructional Design to Enhance Learning Outcomes of Information Security Course in Online Mode. Journal of Engineering Education Transformations, 319-325, 36 Scopus, Q3.

13. Anitha, D., & Kavitha, D. (2022). Improving problem-solving skills through technology assisted collaborative learning in a first year engineering mathematics course. Interactive Technology and Smart Education, (ahead-of-print) WoS, Q2.

14. Chandrakumar, T., & Ramya, T. (2022). Hybrid Multi-Criterion Decision-Making Method to Prioritize the Post-COVID-19 Syndrome Follow Up Care. International Journal of Sociotechnology and Knowledge Development (IJSKD), 14(1), 1-22 Scopus, Q3.

15. Thangavel, C., Thangavel, R., Chandran, K., Suryanarayana, G., Chowdhury, S., Uyen, N. D., ... & Tran, D. T. (2022). A study on agricultural engineering equipment in South Tamilnadu using linear regression. Bulletin of Electrical Engineering and Informatics, 11(3), 1480-1488 Scopus, Q3.

16. Sivagurunathan, S., Thangavel, C., & Vaishnavi, V. (2022). An Exploratory Case Study on COVID 19 Omicron using Twitter Analytics. International Journal of Intelligent Systems and Applications in Engineering, 10(4), 153-157 Scopus, Q4.

17. Sharmila, P., Deisy, C., & Parthasarathy, S. (2023). Ext-ICAS: A Novel Self-Normalized Extractive Intra Cosine Attention Similarity Summarization. Computer Systems Science & Engineering, 45(1) WoS, Q3.

18. Julius Fusic, S., Anandh, N., Anitha, D., Sugumari, T., & Sri Vinodhini, H. (2022). Impact of implementing project-based assignment (PBA) in CDIO framework for computer numerical control application course. Computer Applications in Engineering Education, 30(5), 1577-1590 WoS, Q1.

Book Chapters

19. Sridevi, S., Parthasarathy, S., Chandrakumar, T., & Mahalakshmi, G. (2022). A Multigranular-Based PSO Model for Forecasting Time Series Data (pp. 309-323) Scopus.

20. Ramanujam, E., Chandrakumar, T., & Sakthipriya, D. (2023). Investigation on Improving the Performance of Class-imbalanced Medical Health Datasets. (pp. 1-18). River Publishers Scopus.

21. Ramprakash, B., Muthuramalingam, S., Pragharsitha, S.V., & Poornisha, T. (2023). Melanoma skin cancer analysis using convolutional neural networks-based deep learning classification.(pp. 283-296). Publisher Scopus.

22. Meena, R.S., Saranya, R., Deisy, C., Parthasarathy, S., Sridevi, S., Khan, M.K.A.A. (2023). A Decision Support System for Understanding the Importance of Two-Dosage Vaccination. In: Asari, V.K., Singh, V., Rajasekaran, R., Patel, R.B. (eds) Scopus.

Conferences

23. Bennet, M. D. T., Bennet, M. P. S., & Anitha, D. (2022, December). Securing Smart City Networks-Intelligent Detection Of DDoS Cyber Attacks. In 2022 (pp. 1575-1580). IEEE Scopus.

24. Thiruvengadam, S. J., Subramanian, B., Saravana Perumaal, S., Anitha, D., & Chandrasekaran, J. IMPACT ANALYSIS OF ACADEMIC REFORMS FOR CDIO IMPLEMENTATION: CASE STUDY Scopus.

25. Dhinakaran, S., Thangavel, C., Shivayavashilaxmipriya, S., & Harinee, V. S. (2022, December). PCOS Perception analysis prediction using Machine learning algorithms. (Vol. 7, pp. 260-265). IEEE Scopus.

26. Sakthipriya, D., Chandrakumar, T., Johnson, B., & Prem, K. J. (2023, January). A Survey-Soil Feature Analysis Using Clustering Techniques and Predict Various Crops in Madurai District. (pp. 1-5). IEEE Scopus.

27. Chandrakumar, T., MM, A. S., Mirdula, K., & Monika, K. (2023, February). Paddy Yield Forecasting using Regression Techniques. (pp. 1-6). IEEE Scopus.

28. Monika, K., Ramprakash, B., Muthuramalingam, S., & Mirdula, K. (2022, December). Crop Fertilizer Prediction using Regression analysis and Machine Learning algorithms. (pp. 1261-1266). IEEE Scopus.