

Publications

Journals

1. K. Indira, M.K. Kavitha Devi, ENHANCED RECOMMENDER SYSTEM FOR MANAGING SPARSE DATA IN SECURED CLOUD FOR E-BUSINESS MANAGEMENT, Advances in Mathematics: Scientific Journal, Scopus. DOI: <https://doi.org/10.37418/amsj.9.8.41> Advances in Mathematics: Scientific Journal 9 (2020), no.8, 5731–5744 ISSN: 1857-8365 (printed); 1857-8438 (electronic) <https://doi.org/10.37418/amsj.9.8.4>
2. Intelligent dynamic grouping for collaborative activities in Learning Management System, Journal of Engineering Education Transformations, Volume 34, No. 2, October 2020, ISSN 2349-2473, eISSN 2394-1707
3. A Strategic Approach in Handling Information Retrieval Course for Attaining Course Outcomes – A Case Study, Journal of Engineering Education Transformations, vol.34, pp.148-153, 2021.
4. A Micro-Level Assessment Methodology for Attaining Programme Outcomes through Under Graduate Engineering Projects, Journal of Engineering Education Transformations, vol.34, pp.162-169, 2021.
5. 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
6. Jeyamala Chandrasekaran, D. Anitha, S. Thiruchadai Pandeewari "Enhancing Student Learning and Engagement in the Course on Computer Networks." Journal of Engineering Education Transformations 34 (2021): 454-463.
7. D. Tamilselvi, S. Mercy Shalinie, S. Abinaya, "Hybrid Genetic Algorithm Approach for Mobile Robot Path Planning" Journal Advances in Natural and Applied Sciences" Vol-8(17), pp.41-47, 2014
8. Tamilselvi, D., Mercy Shalinie, S. Hariharasudan, M., "Optimal path selection for mobile robot navigation using genetic algorithm" https://link.springer.com/chapter/10.1007/978-3-642-29280-4_31, IJCSI (International Journal of Computer Science Issues) Vol. 8, No.4, No.1, pp.433-440, 2011
9. D. Tamilselvi, R. Arunkumar, "Mobile Robot Navigation using Potential Field Algorithm" Journal of Control, Automation, Communication and Energy Conservation, Vol.3, No.1, 157 – 161, 2009
10. R.S. Rampriya, R. Suganya, Segmentation of 3D Point Cloud Data based on Supervoxel Technique, Elsevier, Procedia Computer Science, Vol 171, pp. 427-435, 2020. <https://doi.org/10.1016/j.procs.2020.04.045>
11. S. Padmavathi et al, "A Performance Improvement of the Fuzzy Controller-Based Multi-Level Inverter-Fed Three-Phase Induction Motor with Enhanced Time and Speed of Response", Journal of Electrical Engineering & Technology (2021) 16:1131–1141
12. Thiruvengadam, S. J., Baskar, S., Perumaal, S. S., Jeyamala, C., Anitha, D., & Prakash, R. R. (2021). Analysis of In-house training workshops for enhancing faculty competence in CDIO

- Implementation-A case study. Journal of Engineering Education Transformations, 34, 615-619.
13. Chandrasekaran, J., & Anitha, D. (2021). Enhancing Student Learning and Engagement in the Course on Computer Networks. Journal of Engineering Education Transformations, 34, 454-463.
 14. Paper Title: "Essentials of Cyber-Physical Systems - Application and Challenges", SHODH SARITA (ISSN – 2348-2397), Vol. 7, Issue 27(II) July – Sept 2020 (APPROVED UGC)
 15. Paper Title: " Analysis of PBFT Protocols along with the Faults in Blockchain", SHODH SARITA (ISSN – 2348-2397), Vol. 7, Issue 27(II) July – Sept 2020 (APPROVED UGC)
 16. Dr.S.IIankumaran, Dr. M. Gurusamy, Dr. Manikandan, P.Priyadharshini,Dr. W. T. Chembian, A Survey On Online Management Systems And Internet Reference Accessing Portal Using Online Learning Agents, Turkish Journal of Physics, Paper Accepted on 29-01-21, ISSN No:1300-6122
 17. Tamilselvi, D., Dr.Mercy shalinie,Nirmala, " Reinforcement learning for mobile robot navigation in indoor environment "International Journal of Electronics, Electrical and Communication Engineering,Vol.3, No.1, pp.35-39, 2011
 18. C.Karpagavalli, R.Suganya, P.J.Beslin Pajila, "Authentication using Block chain novel enhanced Authentication algorithm" in International journal of Advanced Science and Technology ISSN: 2005- 4238 IJAST,pp: 11930- 11940, Vol. 29. No. 7 (2020)
 19. R.Suganya, Seyed M.Buhari, S.Rajaram, Effective Mechanism of Graduate Attribute Distribution in Engineering Education Curriculum, published in Journal of Engineering Education Transformation, Vol 34, Jan 2021, special issue eISSN- 2394-1707.
 20. E.Ramanujam, 'A Review on Time Series Motif discovery techniques an Application to ECG Signal classification', International Journal of Artificial Intelligence and Machine Learning, Vol. 9, No. 2, 2019, IGI Publisher, Scopus Indexed.
 21. Ramanujam E., Perumal T., Padmavathi S., "Human Activity Recognition with Smartphone and Wearable Sensors Using Deep Learning Techniques: A Review", IEEE Sensors Journal,2021,21(12),13029-13040.
 22. Ramanujam, E., Padmavathi, S., Baskar, L.A., Niwin, P., "Ensemble feature selection for the recognition of human activities and postural transitions on smartphones",International Journal of Service Science, Management, Engineering, and Technologythis link is disabled, 2021, 12(5), pp. 80–101.

Conferences

1. K.Akash, A.Sheik Abdullah, "A New Model of Zero Energy Air cooler: An Cost and Energy efficient device in Exploit" ,Electric Power and Renewable Energy Conference (EPREC-2020)" organized by the Department of Electrical Engineering, National Institute of Technology (NIT) Jamshedpur, India during May 29th-30th, 2020. Lecture Notes in Electrical Engineering, Springer
2. C.Santhiya,K.Indra,S.Karthiga , "Parallel CLARANS Algorithm for Recommendation System in Multi-Icloud Environment",DOI:10.1007/978-981-15-9647-6_36,Lecture Notes on DATA ENGINEERING AND COMMUNICATIONS TECHNOLOGY
3. T.Manju,Dr.S.Padmavathy,Dr.D.Tamilselvi, "A rehabilitation therapy for autism spectrum disorder using virtual reality" <https://link.springer.com/>, chapter/10.1007/978-981-10-7635-

0_26, Springer Communications in Computer and Information Science Vol 808, pp.328-336,2018

4. D.Tamilselvi, N.Nithya, " Human Cognition and Vision Based Earlier Path Determination System for Indoor Mobile Robot Path Planning" http://link.springer.com/chapter/10.1007/978-3-319-08422-0_104 Vol.330, pp.727-732, Springer - Advances in Intelligent Systems and Computing, 2014
5. Tamilselvi, D., Shalinie, S.M., Thasneem, A.F., and Sundari, S.G., "Optimal path selection for mobile robot navigation using genetic algorithm in an in door environment , https://link.springer.com/chapter/10.1007/978-3-642-29280-4_31, Springer Lecture Notes in Computer Science, Vol.7135, pp.263-269,2011
6. K.Priya, S.Mohamed Mansoor Roomi, P.Uma Maheshwari, R.Suganya, DWT Based QR Steganography, DST sponsored National Virtual Conference on Advanced Informatics, Electronics and Vision (NCAIEV'21), 23rd April, 2021.
7. Nazmus Sakib Ribhu , S Sridevi et al , "Investigation of Gait and Biomechanical Motion for Developing Energy Harvesting System", Proceedings of International Conference on Sustainable Expert Systems, held in Nepal , published in Lecture notes in networks and systems, Springer, pp.151-167, 2021. (Scopus indexed)
8. "Regression Model to Estimate Effort for Software Oriented Projects",h International Conference on Information and Communication Technology for Sustainable Development,Goa,Springer, July 23-24,2020
9. S. J. Thiruvengadam, Baskar Subramanian, S. Saravana Perumaal, D. Anitha and Jeyamala Chandrasekaran, Impact Analysis of Academic Reforms for CDIO Implementation: Case Study", Proceedings of the 17th International CDIO Conference, 2021, ISSN 2002-1593
10. Title:" Parallel CLARANS algorithm for Temporal FCA based recommendation system in Multi clouds" Conference Name: Springer 3rd International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT - 2020).July 23 and 24 2020
11. T Janani Priya, K P Sabari Priya,Jennifer Priscilla Vincent, K V Uma and S Pudumalar,Detection of Non-functional Bore wells Using MachineLearning Algorithms,ICDIIS ,11-12 December 2020
12. Text Summarization Using Text Frequency Ranking Sentence Prediction,4th International Conference on Computer, Communication and Signal Processing (ICCCSP 2020), ISBN 978-172816509-7 pp.1-5, ISBN 978-172816509-7, DoI:10.1109/ICCCSP49186.2020.9315203, January 2021, IEEE (Scopus Indexed)
13. Title: "Essentials of Cyber-Physical Systems -Application and Challenges", Conference Name: Online International Conference on "SMART MODERNISTIC in ELECTRONICS AND COMMUNICATION" (ICSMEC - 2020) ISBN No. 978-93-80831-43-5, Venue: St.Martin's Engineering College, Secunderabad
14. Title: "Analysis of PBFT Protocols along with the Faults in Blockchain", Conference Name: Online International Conference on "SMART MODERNISTIC in ELECTRONICS AND COMMUNICATION" (ICSMEC - 2020) ISBN No. 978-93-80831-43-5, Venue: St.Martin's Engineering College, Secunderabad
15. Personalized Route Finding System using Genetic Algorithm, Congress on Intelligent Systems, 2020
16. K.Indira, S.Karthiga & C.V.Nisha Angeline Title:" Parallel CLARANS algorithm for Temporal FCA based recommendation system in Multi clouds" Conference Name: Springer

3rd International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT - 2020)

17. Thiruchadai Pandeewari, S.Padmavathi, SS Srilakshmi, KP Sabari Priya, "Container based Lab as a Service Application", International conference on Internet of Things and its Applications, ICIA-2020, National Institute of Technology, Jamshedpur during December 26 -27, 2020
18. Wee Ying Heng, MKA Ahamed Khan, Chun Kit Ang, Kalaiselvi Aramugam, C Deisy, S Sridevi, "Development of a Laboratory-Scale Pipeline Crack Inspection Robot" 2021 IEEE International Conference on Automatic Control & Intelligent Systems
19. C.Deisy, M. K. A. Ahamed Khan And Sridevi, "Investigation of Gait and Bio mechanical Motion for Developing Energy Harvesting System", Springer Proceedings of International Conference on Sustainable Expert Systems, March 2021.
20. Tamilselvi, Sai Naveena Sri, Bhavani devi, Manju Thomas, Rajkumar, Sathya Ramdoss, " MIVRA (Mental Immersion in Virtual Reality Avatar) - Social Communication Rehabilitation Assisite Tool for Autism Children" ICI2CT(International Conference on Innovation in Information Communication Technologies), National University of Singapore, December 2020
21. R.Aruna devi, R.Suganya, Seyed M.Buhari, Forecasting spread of COVID-19 using Regression algorithm in 10th International Conference on Soft computing for Problem solving –SocProS 2020 by Indian Institute of Technology, Indore and Soft Computing Research Society during Dec 18- 20, 2020
22. AIM 2020 Advances in Image Manipulation Workshop and Challenges on Image and Video Manipulation in conjunction with ECCV 2020. Relighting: Track 1 Any to one relighting won in competition and published in arXiv.org Sabarinathan D and R.Suganya, "Multilevel Attention based one to one Image Relighting, 2020. <https://arxiv.org/pdf/2009.12798.pdf>
23. MediaEval 2020 – Multimedia Evaluation Workshop, Dec 14, 15, 2020 – Sabarinathan and R.Suganya, Efficient Supervision Net: Polyp Segmentation using efficient net and Attention unit. www.eigen.no https://eigen.no/MediaEval20_paper_72.pdf in Medico Automatic Polyp Segmentation 2020
24. SSBC 2020: Sclera Segmentation Benchmarking Competition in the Mobile Environment, IJCB 2020 - IEEE / AAPR International Joint Conference on Bio-metrics, 2020, 9304881. (SCOPUS)
25. R.S.Rampriya, R.Suganya, Reviews on various Communication Mechanism for Railway Patrol using UAV, in 5th International Conference on Trends in Electronics and Informatics (ICOEI)- IEEE xplorer. 2021
26. Logeshvar L, A.B.Premnath, R.Geethan, R.Suganya, AI based Examination Assessment Mark Management System in second International Conference on Secure Cyber Computing and Communication, at Dr.B.R.Ambedkar National Institute of Technology, Jalandhar, May 21-23, 2021
27. Malarvizhi, D & S.Padmavathi, "Mobility Aware Application Placement for UAM using Fog Computing", 9th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2021) held at National Institute of Technology Mizoram, India during June 25 - 26, 2021.
28. Thiruchadai Pandeewari, S.Padmavathi, SS Srilakshmi, KP Sabari Priya, "Container based Lab as a Service Application", International conference on Internet of Things and its

Applications, ICIA-2020, National Institute of Technology, Jamshedpur during December 26-27, 2020

29. Duc Chung Tran, M. K. A. Ahamed Khan, S. Sridevi, "On the Training and Testing Data Preparation for End-to-End Text-to-Speech Application", 2020 11th IEEE Control and System Graduate Research Colloquium (ICSGRC 2020), 8 August 2020, Shah Alam, Malaysia

Books/ Book Chapters

1. Book Chapter: "Organizational Behaviour and Organizational Management" of Published book entitled as "Research Trends in Management: Recent trends Opportunities and challenge (Volume-6)". ISBN 978-93-90322-39-8
2. Book Chapter (Chapter 3) titled "Fog Computing and Its Role in the Internet of Things" in Advancing Consumer-Centric Fog Computing Architectures, IGI Global publications, Sep, 2018, ISBN 9781522571490
3. P. Karthikeyan, M. Manikandakumar, D. K. Sri Subarnaa, P. Priyadharshini "Weed Identification in Agriculture Field Through IoT", Book series of Advances in Smart System Technologies, Part of Advances in Intelligent Systems and Computing book series (AISC, volume 1163), Springer, pp 495-505,
4. D. Tamilselvi, T. Manju, "Cognitive Rehabilitation for Autism Children Mental Status Observation using Virtual Reality based Interactive Environment" <https://link.springer.com/book/10.1007/978-3-030-39512-4>, Springer – Intelligent Human System Integration, Vol. 1131, pp. 1213-1218, February 2020
5. G. Jeyashree, S. Padmavathi, "An Adaptive ARP Approach for Fog-Based RSU Utilization", Smart Intelligence Computing and Applications, Springer, 105, https://doi.org/10.1007/978-981-13-1927-3_1
6. Jeya shree G, Padmavathi S. "A Fog-Based Approach for Real-Time Analytics of IoT-Enabled Healthcare." In Internet of Things Use Cases for the Healthcare Industry, pp. 43-66. Springer, Cham, 2020.
7. S. Padmavathi et al, "Performance Analysis - Photovoltaic -Fed Multilevel Inverter", Electrical India, pp: 24-28, January 2021
8. Book Chapter title: "Phishing Attacks in Mobile Platforms", Book Title: "Encyclopedia of Organizational Knowledge, Administration, and Technology (5 Volumes)", IGI Global, Url: <https://www.igi-global.com/book/encyclopedia-organizational-knowledge-administration-technology/242894> DOI: 10.4018/978-1-7998-3473-1
9. Book Chapter Title: "Threats and Vulnerabilities of Mobile Applications", Book Title: "Encyclopedia of Information Science and Technology, Fifth Edition (3 Volumes)", IGI Global, Url: <https://www.igi-global.com/book/encyclopedia-information-science-technology-fifth/242896>, DOI: 10.4018/978-1-7998-3479-3
10. "Blockchain Technology for IoT: An Information Security Perspective", Book of Enabling Blockchain Technology for Secure Networking and Communications, IGI Global, Chapter 8, Pages 175-200, 2021
11. D. Tamilselvi, S. Mercy Shalinie, M. Hariharasudan, G. Kiruba, "Remarks Chapter published in the book with the title "Hybrid approach for Global Path Selection and obstacle avoidance for Mobile Robot Navigation using DT and GJK algorithm" Intech Advances in Robot

Navigation<http://www.intechopen.com/books/advances-in-robot-navigation/hybrid-approach-for-global-path>

12. Thiruchadai Pandeewari S., Padmavathi S., Hemamalini N. (2020) Engineering Full Stack IoT Systems with Distributed Processing Architecture—Software Engineering Challenges, Architectures and Tools. In: A Journey Towards Bio-inspired Techniques in Software Engineering. Intelligent Systems Reference Library, vol 185. Springer, Cham (Scopus Indexed) doi - https://doi.org/10.1007/978-3-030-40928-9_5
13. V Aakash, S Sridevi, G Ananthi, S Rajaram, Book chapter on Forecasting of Novel Corona Virus Disease (Covid-19) using LSTM and XG Boosting algorithms in the Book Data analytics in Bioinformatics-A Machine learning Perspective, Wiley Publishers, 2021