# Hindusthan College of Engineering and Technology

(An Autonomous Institution Affiliated to Anna University │ Approved by AICTE, New Delhi,

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Valley Campus, Pollachi Highway, Coimbatore 641 032.

## JOURNAL PUBLICATION

| S.NO | Name of the author/s | Title of paper | Name of journal | Year of publication | ISSN number |
|------|---------------------|----------------|-----------------|---------------------|-------------|
| **2021-2022** | | | | | |
| 1 | S. Shankar | Utility-based SK-clustering algorithm for privacy preservation of anonymized data in healthcare | Recent Advances in Computer Science and Communications | 2021 | 2666-2558 |
| 2 | S. Shankar | Decision Tree Based Key Management for Secure Group Communication | COMPUTER SYSTEMS SCIENCE AND ENGINEERING | 2021 | 0267-6192 |
| 3 | Dr. S. Shankar, Dr.S. Uma, Priya S | The Improved Mathematical Model For Continuous Forecasting Of The Epidemic | International Journal of Creative Research Thoughts (IJCRT | 2022 | 2320-2882 |
| 4 | Ms. Indirani M, Dr. Shankar S | Ensemble Based Learning with Accurate Motion Contrast Detection | Intelligent Automation & Soft Computing | 2022 | 1079-8587 |
| 5 | Mr.M.Priyadharshan, Mrs.R.Gayathri | A Unified Classification Model to Prevent Insider Threats in Cloud Computing | International Journal of Creative Research Thoughts (IJCRT | 2022 | 2320-2882 |
| 6 | Dr. M. Amutha, S. Vinu | A SURVEY ON ANDROID MALWARE DETECTION USING MACHINE LEARNING | YMER | 2022 | 0044-0477 |

| 7 | Reyana A<br>Vijayalakshmi P | Multisensor Information Fusion for Condition Based Environment Monitoring | Intelligent Automation and Soft Computing | 2022 | 2326-005X |
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| 8 | Shanmugam Sangeetha | Bayesian fuzzy clustering-based routing protocol in heterogeneous wireless sensor network using fractional Border Collie optimization | International Journal of Communication System, | 2022 | 1074-5351 |
| 9 | M. Ramya Devi,<br>I. Jasmine Selvakumari Jeya | Adaptive scheduled partitioning technique for reliable emergency message broadcasting in VANET for intelligent transportation systems | Automatika | 2022 | 0005-1144 |
| 10 | M. Ramya Devi | PSO-DBNet for Peak-to-Average Power Ratio Reduction Using Deep Belief Network | Computer Systems Science and Engineering | 2022 | 0267-6192 |
| 11 | A. Reyana | Clinical Data Analysis for Prediction of Cardiovascular Disease Using Machine Learning Techniques | Computational Intelligence and Neuroscience | 2022 | 1687-5265 |
| 12 | J. Prakash,<br>K. Sudhakar,<br>R. Mahaveerakannan | RG Technique to Reduce the Fuel Consumption and Co2 Emission in VANET | EAI/Springer Innovations in Communication and Computing | 2022 | 2522-8595 |
| 13 | R. Vidhya,<br>S. Gokila | Cloud-Based Biometric-Enhanced ATM Powered by Deep Learning | EAI/Springer Innovations in Communication and Computing | 2022 | 2522-8595 |

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| 14 | G. Deebanchakkarawarthi | Smart Home Technologies Toward SMART (Specific, Measurable, Achievable, Realistic, and Timely) Outlook | Mobile Computing and Sustainable Informatics | 2022 | 2367-4512 |
| 15 | B. Dhiyanesh, D. Magesh, G. Muthuram | Lung Ultrasound COVID-19 Detection Using Deep Feature Recursive Neural Network | Intelligent Sustainable Systems | 2022 | 2367-3370 |
| 16 | Reyana A | SDMTA: Attack Detection and Mitigation Mechanism for DDoS Vulnerabilities in Hybrid Cloud Environment | IEEE Transactions on Industrial Informatics | 2022 | 1941-0050 |
| 17 | R. Jayaraj | Automatic Image Annotation Using Adaptive Convolutional Deep Learning Model | Intelligent Automation and Soft Computing | 2022 | 1079-8587 |
| 18 | B. Dhiyanesh | Iterative Dichotomiser Posteriori Method Based Service Attack Detection in Cloud Computing | Computer Systems Science and Engineering | 2022 | 0267-6192 |
| 19 | M. Ramya Devi I. Jasmine Selvakumari Jeya | Intelligent Vehicular Communication Using Vulnerability Scoring Based Routing Protocol | Intelligent Automation & Soft Computing | 2022 | 2326-005X |
| 20 | Satheesh Kumar D, Gokila S | Effective methodology to improve teaching learning process and teacher education in online classes | International Journal of Health Sciences | 2022 | 2394-5443 |
| 21 | M. Ramya Devi | Soft optimization techniques for automatic liver cancer detection in abdominal liver images | International Journal of Health Sciences | 2022 | 2550-6978 |

| 22 | J Ananthi | Forest fire prediction using IoT and deep learning | International Journal of Advanced Technology and Engineering Exploration | 2022 | 2394-7454 |
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| 23 | M. RAMYA DEVI ,Dr.S.Uma | Prediction Of Educational Data Using Deep Convolutional Neural Network | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 24 | B.Reena | Mobile Ad-hoc Networks: A Survey on multipath routing protocols | Journal of University of Shanghai for Science and Technology | 2022 | 1007-6735 |
| 25 | Reena B, Dr. S. Uma | Mental Stress Detection Using Tf-Idf With Multinomial Naive Bayes | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 26 | Ananthi J, Dr.S Uma | Deep Learning Based Plant Disease Prediction Using Convolutional Neural Network | INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS - IJCRT | 2022 | 2320-2882 |
| 27 | Afreen Fathima . A Dr. M. Revathi, Dr. S. Uma | Trustworthy Electronic Voting System Using Blockchain Technology | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 28 | Bavadharani M, A. Reyana Dr. S. Uma | Improvement Of Automated Diagnosis Of Soft Tissues Tumors Using Machine Learning | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 29 | M.Masilamani, Dr.G. Sakthi, Dr.S.Uma | Covid Certifcate Verification For E-Tourism On Big Data And Ai: A Frame Work Using Hybrid Recommender System For User Preference | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |

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| 30 | Naveenkumar E, Dr.S.Uma, Dhiyanesh B, Pavithra P | Applicability And Management Of Lung Ultrasound In Patients With Covid-19 Disease | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 31 | Dr.S.Uma, Satheesh Kumar D | Data Poison Detection Using Associative Support-Vector Machine (Asvm) Method | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 32 | Priya N, Dr. Uma, | Speech Emotion Recognition Using Recurrent Neural Network Based On Deep Learning | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 33 | Mr.S.Praveen Kumar, Mr.D.Magesh, Ms.Priya.N, Ms. Gomathy.A Dr.S.Uma | Collaborate Framework Based On Software Defined Network In Manet | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 34 | L Sindhu T.K.P.Rajagopal Dr. S. Uma | Intelligent System For Monitoring Line Of Safety In Railway Platforms By Using Raspberrypi | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 35 | R.Jayaraj, C.Manju Priya, Dr S.Uma | Sentiment Analysis Technique And Neutrosophic Thory For Mining And Ranking Big Data From Online Review | International Journal Of Creative Research Thoughts (IJCRT) | 2022 | 2320-2882 |
| 36 | Ananthi J | Enhanced interpolation with semi-supervised algorithm and greedy forwarding technique for forest fire prediction over wireless sensor and actuator networks | Wireless Networks | 2022 | 1022-0038 |

| 37 | P. Arul Selvam | Unified Classification Model to Prevent Insider Threats in Cloud Computing | International Journal of Novel Research and Development | 2022 | 2456-4184 |
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| 38 | Arul Selvam P | A Survey Paper on Cloud Computing | International Journal for Research Trends and Innovation | 2022 | 2456-3315 |
| 39 | P. Arul Selvam | Secure Cloud Services by Integrating CASB Based Approach | International Journal of Scientific Research in Engineering and Management | 2022 | 2582-3930 |
| 40 | A. Reyana, P Vijayalakshmi | Multisensor Information Fusion and Optimization Technique for Wildfire Detection and Prevention in WSN Environment | Research Square | 2022 | 2693-5015 |
| 41 | M.Priyadharshan | Analysis of Emotional Model on Tweets Using Data Mining | International Journal of Novel Research and Development | 2022 | 2456-4184 |
| 42 | R. Sakunthala Jenni,S. Shankar | Semantic based greedy levy gradient boosting algorithm for phishing detection | Computer Systems Science and Engineering | 2021 | 0267-6192 |
| 43 | Reyana A | EGMM video surveillance for monitoring urban traffic scenario | International Journal of Intelligent Unmanned Systems | 2021 | 2049-6427 |
| 44 | Dr.SAKTHI GOVINDARAJU | A novel AI and RF tutored student locating system via unsupervised dataset | Turkish Journal of Physiotherapy and Rehabilitation | 2021 | 2651-4451 |

| 45 | Prakash J | Fuel Consumption and Delay Aware Traffic Scheduling in Vanet Environment | Wireless Personal Communications | 2021 | 9296-212 |
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| 46 | T.K.P. Rajagopal | Energy Efficient Server with Dynamic Load Balancing Mechanism for Cloud Computing Environment | Wireless Personal Communications | 2021 | 9296-212 |
| 47 | Dhiyanesh B., Rajesh Kanna K | Improved Object Detection in Video Surveillance Using Deep Convolutional Neural Network Learning | Proceedings of the 5th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2021 | 2021 | 2768-0673 |
| **2020-2021** | | | | | |
| 1 | S. Shankar | Sensor-Based Gamified Rehabilitation Therapy to Enhance and Manage Human Physical Kinematics | Springer Proceedings in Materials | 2021 | 2662-317X |
| 2 | Shankar S. SUBRAMANIAM | Adaptive routing scheme for reliable communication in vehicular Ad-Hoc network (VANET) | Transport Journal | 2020 | 1648-4142 |
| 3 | S Shankar | EMA-PRBDS: efficient multi-attribute packet rank based data scheduling in wireless sensor networks for real-time monitoring systems | International Journal of Electronics | 2020 | 1362-3060 |
| 4 | Dhiyanesh B | Optimized virtual network function provisioning technique for mobile edge cloud computing | Journal of Ambient Intelligence and Humanized Computing | 2021 | 1868-5137 |

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| 5 | M Ramya Devi, I Jasmine Selvakumari Jeya | Black Widow Optimization Algorithm and Similarity Index Based Adaptive Scheduled Partitioning Technique for Reliable Emergency Message Broadcasting in VANET | Research Square | 2021 | 2693-5015 |
| 6 | Reyana A | Corona virus-related Disease Pandemic: A Review on Machine Learning Approaches and Treatment Trials on Diagnosed Population for Future Clinical Decision Support | Current Medical Imaging Formerly: Current Medical Imaging Reviews | 2021 | 1573-4056 |
| 7 | J. Prakash, T. K. P. Rajagopal | Dynamic Routing for The Various Topologies In A Vanet | Annals of R.S.C.B | 2021 | 1583-6258 |
| 8 | Samukutty ANNADURAI | Explicit Link Discovery Scheme Optimized with Ontology Mapping using Improved Machine Learning Approach | Studies in Informatics and Control | 2021 | 1220-1766 |
| 9 | Sathya S, Sakthi Sree.T | A Secure Digital E-Voting Using Blockchain Technology | Journal of Physics: Conference Series | 2021 | 1742-6588 |
| 10 | Jasmine Selvakumari Jeya I | Adaptive extreme learning machine - Fuzzy system framework for energy optimization of IOTs in wireless sensor networks | Internet Technology Letters-John Wiley & Sons, Ltd | 2020 | 2476-1508 |
| 11 | K.Sudhakar, J.Prakash | A Secured Energy Efficient Data Communication using Multi Objective Aware Micro Macro Clustering With Packet Drop Attack Detection for Military Applications in MANETS | Journal of Green Engineering (JGE) | 2020 | 1904-4720 |

| 12 | I.Jasmine Selva kumari Jeya | Deep Neural Network Based Classification Model For Feature Extraction | European Journal of Molecular & Clinical Medicine | 2020 | 2515-8260 |
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| 13 | B. Reena , P. Divya, I. Jasmine Selvakumari Jeya | Secure Cloud Simulation Using Hybrid Algorithm | International Journal of Engineering Innovation & Research(IJEIR) | 2020 | 2277 – 5668 |
| 14 | D Satheeshkumar, S Saravana Sundaram | Game theory based survey on energy - efficient routing protocols in wireless sensor networks | journal of Xian shiyou univertsity | 2020 | 1673-064X |
| 15 | Satheesh Kumar D, Magesh D, Dhiyanesh B, Bhuvanesh S | A Hybrid Recommendation Engine Based On Boltzmann Machine and Auto Encoders | Journal of Xi'an Shiyou University, Natural Science Edition | 2020 | 1673-064X |
| 16 | Mr. D. Sudharson | A Novel Approach for Boundary Line Detection using IOT During Tennis Matches | Advancement of Electrical, Information and Communication Technologies for Life Application(SCOPUS) | 2020 | 0974-6455 |
| 17 | Satheesh Kumar D | Comprehensive Analysis on Social Engineering Attacks | Journal of Xi'an Shiyou University, Natural Science Edition(SCOPUS) | 2020 | 1673-064X |
| 18 | D. Sudharson | Improved EM algorithm in software reliability growth models | International Journal of Powertrains (Inderscience) | 2020 | 1742-4275 |
| 19 | Vidhya Rathinasamy | Performance Analysis of PSO Based Congestion Control Scheme in Wireless Sensor Networks | Solid State Technology | 2020 | 0038-111X |

| 20 | B. Reena,<br>R. Magisha,<br>E. Mohana Priya,<br>S. Naveena,<br>I.B. Preethiba | Smart Dustbin Using GSM Module | International Journal of Advances in Engineering and Emerging Technology (IJAEET) | 2020 | 2321-452X |
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| 21 | B. Dhiyanesh | Threshold based DDoS mitigation with fog layer in cloud environment | Journal of Ambient Intelligence and Humanized Computing | 2020 | 1868-5137 |
| 22 | S. Gokila | VBEMS: Analyzing Machine Learning Algorithm for Blind by Implanting Datasets | International Journal of Advances in Engineering and Emerging Technology (IJAEET) | 2020 | 2321-452X |
| 23 | M. Ramya Devi | Speech to speech interaction system using Multimedia Tools and Partially Observable Markov Decision Process for visually impaired students | Multimedia Tools and Applications | 2020 | 1380-7501 |
| **2019-2020** | | | | | |
| 1 | S. Shankar | A Novel Cluster Based Routing Protocol In Delay Tolerant Networks for Consistency and Energy Efficiency | 2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020 | 2020 | 2575-7288 |
| 2 | S. Shankar | Wavelet Decomposition and Classification of Diseased fMRI Brain Images Using Self Organized Maps | 2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020 | 2020 | 2575-7288 |
| 3 | Shankar.S | A Survey on Dynamic Key Management System in Secure Group Communication | 2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020 | 2020 | 2575-7288 |

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| 4 | M. Revathi,<br>I. Jasmine Selvakumari Jeya | Deep learning-based soft computing model for image classification application | Soft Computing | 2020 | 1432-7643 |
| 5 | D. Sudharson | Hybrid software reliability model with Pareto distribution and ant colony optimization (PD–ACO) | International Journal of Intelligent Unmanned Systems | 2020 | 2049-6427 |
| 6 | S. Shankar | Weighted Ternary Tree Approach for Secure Group Communication Among Mobile Applications | Wireless Personal Communications | 2020 | 9296-212 |
| 7 | Dr. Sarojini Yarramsetti | Stress Detection And Management In Social Media Networks | International Journal Of Multidisciplinary Educational Research | 2020 | 2277 - 7881 |
| 8 | Shankar Subramanian | LSAPSP: Load distribution-based slot allocation and path establishment using optimized substance particle selection in sensor networks | International Journal of Communication Systems, Wiley | 2020 | 1099-1131 |
| 9 | A Gomathy | Performance of Movable Head Disk Storage Devices with Various Disk Scheduling Algorithms | International Journal of Innovative Technology and Exploring Engineering | 2019 | 2278-3075 |
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| 11 | T. K. P. Rajagopal | An Improved Efficient Dynamic Load Balancing Scheme Under Heterogeneous Networks in Hybrid Cloud Environment | Wireless Personal Communications | 2019 | 9296-212 |

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| 15 | I.Jasmine Selvakumari Jeya | Lung Cancer Diagnosis using CAD – A Review | Bioscience Biotechnology research communication, UGC Care Journal | 2019 | 0974-6455 |
| 16 | Sarojini Yarramsetti | Project scheduling using event based scheduler with ABC | International Journal of Innovative Technology and Exploring Engineering | 2019 | 2278-3075 |
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| 19 | I. Jasmine Selvakumari Jeya, M. Revathi, M. Uma Priya | Proposed self – regulated gray wolf optimizer based extreme learning machine neural network classifier for lung cancer classification | International Journal of Recent Technology and Engineering | 2019 | 2277-3878 |

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| 24 | R. Vidhya | Optimizing throughput and TCP receive window with node connection in distributed fuzzy computing with enhanced bandwidth for high speed TCP in WSN | Applied Mathematics and Information Sciences | 2019 | 1935-0090 |
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| 26 | Annadurai S | Hybrid starling social spider algorithm for energy and load aware task scheduling in cloud computing | International Journal of Innovative Technology and Exploring Engineering | 2019 | 2278-3075 |

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| 1 | S. Shankar | Energy Efficient Data Collection Algorithm for Mobile Wireless Sensor Network | Wireless Personal Communications | 2018 | 1572-834X |
| 2 | Shankar S | AR using NUI based physical therapy rehabilitation framework with mobile decision support system:A global solution for remote assistance | Journal of Global Information Management | 2018 | 1062-7375 |
| 3 | Dr.S.Shankar | Blocking Artifact Reduction in JPEG Images | International Journal of Pure and Applied Mathematics | 2018 | 1311-8080 |
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| 5 | Dr.S. Annadurai | Video Compression using Key Frame Extraction for Improving Frame Resolution | International Journal of Engineering & Technology, SPC Journal | 2018 | 2227-524X |
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| 7 | D. Sudharson | A novel machine learning approach for software reliability growth modelling with pareto distribution function | Soft Computing | 2019 | 1432-7643 |

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| 9 | Sarojini Yarramsetti | A study of optimal power allocation and scheduling under jamming attacks | Journal of Applied Science and Computations | 2019 | 1076-513 |
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| 11 | M.Ramya Devi | An Optimal Internet of Things Based Smart Cities Using Vehicular Cloud for Smart Driving | Concurrency and Computation: Practice and Experience (Wiley) | 2018 | 1532-0634 |
| 12 | M.Ramya Devi | Internet of things for knowledge administrations by wearable gadgets | Journal of Medical Systems | 2018 | 1573-689X |
| 13 | M. Ramya Devi | Vehicular Cloud for Smart Driving Using Internet of Things | Journal of Medical Systems | 2018 | 1573-689X |
| 14 | J.Ananthi | A comparative study of various location prediction and interpolation techniques | EAI Endorsed Transactions on Energy Web | 2018 | 1615-5548 |
| 15 | J Prakash | Smart routing for vehicle at optimal position with Ant colony optimization and AQRV in VANET | EAI Endorsed Transactions on Energy Web | 2018 | 1615-5548 |
| 16 | M. Ramya Devi | Vehicular Cloud Computing Based Intelligent Transportation System for Traffic Management and Road Safety | International Journal of Computer Sciences and Engineering | 2018 | 2347-2693 |
| **2017-2018** | | | | | |

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| 1 | S. Shankar | Activities of daily living rehab game play system with augmented reality based gamification therapy for automation of post stroke upper limb rehabilitation | Journal of Computational and Theoretical Nanoscience | 2018 | 1546-1955 |
| 2 | Dr.K.Deeba, G.Gaayathri | Extended Switched-Inductor Quasi-Z-Source Inverter for Solar Power System | International Journal of Innovative Science, Engineering & Technology | 2018 | 2348-7968 |
| 3 | M. Ramya Devi | An Automatic Tamil Speech Recognition system by using Bidirectional Recurrent Neural Network with Self-Organizing Map | Neural Computing and Applications | 2018 | 1433-3058 |
| 4 | S. Shankar | Energy Efficient Clustering Scheme (EECS) for Wireless Sensor Network with Mobile Sink | Wireless Personal Communications | 2018 | 1572-834X |
| 5 | M. Ramya Devi | Identifying Camouflaging Adversary in MANET Using Cognitive Agents | Wireless Personal Communications | 2018 | 1572-834X |
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| 8 | Ramya K. | Circumvention of Nascent and Potential Wi-Fi Phishing Threat Using Association Rule Mining | Wireless Personal Communications | 2017 | 1572-834X |

| 9 | Sandhya R., Sengottaiyan N. | Dynamic CH selection and intrusion detection in WSN using reinforced weighted approximation based adaptive SEECH: An optimized routing framework | International Journal of Applied Engineering Research | 2017 | 0973-9769 |
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| 10 | D.Satheesh Kumar | Privacy Protection and Authentication Handover in 4G Network: A Survey of Literature | International Journal of Advance Research, Ideas and Innovations in Technology | 2017 | 2454-132X |