



Department of Computer Science and Engineering

Quartile/ Scopus/WOS Journal and Book Chapters Publication Details (2018-22)

Q1			
Sl.no	Author Name	Paper title	Publication Details
1.	Suma B, Shobha G	Fractional salp swarm algorithm: An association rule based privacy-preserving strategy for data sanitization	Journal of Information Security and Applications, Volume 68, 2022, ISSN 103224, pp.2214-2126,
2.	Roopa Ravish, Shanta Rangaswamy, Arpitha V & Vasuprada U (2022)	User preference-based intelligent road route recommendation using SARSA and dynamic programming.	Journal of Control and Decision, DOI: 10.1080/23307706.2022.2096705 . ISSN: (Print) (Online)
3.	Lalitha V P, Shanta Rangaswamy	Automatic object detection in aerial image using bent identity-convolutional neural network and fine tuning algorithm	Multimedia Tools and Applications 2022, 81(7), pp. 9713–9740, https://doi.org/10.1007/s11042-022-11948-7
Q2			
1.	Ravikumar J, Dr. Ramakanth Kumar P	Machine learning model for clinical named entity recognition	International Journal of Electrical Engineering and Computer Science, vol 11, issue 2, 2021, https://doi.org/10.11591/ijece.v11i2.pp1689-1696
2.	Suma B, Shobha G	Privacy preserving association rule hiding using border based approach	Indonesian Journal of Electrical Engineering and Computer Science, vol23, issue 2, http://doi.org/10.11591/ijeecs.v23.i2.pp1137-1145
3.	Suma B, Dr. Shobha G	Association rule hiding using integer linear programming	International Journal of Electrical and Computer Engineering, Vol 11, issue 4, 2021. http://doi.org/10.11591/ijece.v11i4.pp3451-3458
4.	Rahul Patil, Chethan K P, Azara N, Dr. Shobha G	Robust foreground modelling to segment and detect multiple moving objects in videos	International Journal of Electrical and Computer Engineering (IJECE), vol 10, issue 2, , 2020 http://doi.org/10.11591/ijece.v10i2.pp1337-1345



5.	Jyothi Shetty, Dr. Sathish Babu, Dr. Shobha G	Proactive cloud service assurance framework for fault remediation in cloud environment	International Journal of Electrical and Computer Engineering (IJECE), 2019 10.11591/ijece.v10i1.pp987-996
6.	Bhagyashree H, Dr. Rajashree Shettar	Cross layer solution for energy and delay optimization in MANETs	International Journal of Electrical and Computer Engineering, 2018, 8(6), pp. 4746–4754, http://doi.org/10.11591/ijece.v8i6.pp4745-4754
7.	Praveena T, Dr. Nagaraja G S	Social-sine cosine algorithm-based cross layer resource allocation in wireless network	International Journal of Electrical and Computer Engineering, 2021, 11(1), pp. 458–470, http://doi.org/10.11591/ijece.v11i1.pp458-470
8.	Abhiram N, Dr. Sathish Babu, Xiao Zhi Gao	Signature warping and greedy approach based offline signature verification	International Journal of Information Technology (Singapore), 12 May 2021, 10.1007/s41870-021-00689-9
9.	Bhargavi K, Dr. Sathish Babu	Uncertainty Aware Resource Provisioning Framework for Cloud Using Expected 3-SARSA Learning Agent: NSS and FNSS Based Approach	Cybernetics and Information Technologies, 2019, 10.2478/cait-2019-0028
10.	Bhargavi K, Dr. Sathish Babu, SS Iyenger	Predicting the Brand Popularity from the Brand Metadata.	International Journal of Electrical & Computer Engineering (2088-8708), 2018, 10.11591/ijece.v8i5.pp3523-3535
11.	Amith Shekhar, Dr. Sharvani G S	MTLBP: A Novel Framework to Assess Multi-Tenant Load Balance in Cloud Computing for Cost-Effective Resource Allocation	Wireless Personal Communication, 2021, 120(2), pp. 1873–1893, https://doi.org/10.1007/s11277-021-08541-w
12.	k s Reshma, Dr. Sharvani G S	Optimization of cloud load balancing using fitness function and duopoly theory	International Journal of Intelligent Computing and Cybernetics, 2021, 14(2), pp. 198–217, ISSN:1756-378X
13.	Amulyashree, Dr. Sharvani G S, Manjunath Reddy, Biplab, B, kalyan N	The eminence of co-expressed ties in schizophrenia network communities	Special Issue Data-Driven Healthcare Tasks: Tools, Frameworks, and Techniques Data, 2019, 4(4), 149, https://doi.org/10.3390/data4040149



14.	Kalyan N, Dr. Sharvani G S, Amulyshree	Encrypting and preserving sensitive attributes in customer churn data using novel dragonfly based pseudonymizer approach	Information (Switzerland), 2019, 10(9), 274, https://doi.org/10.3390/info10090274
15.	Kalyan N Amulyashree, Dr. Sharvani G S, Manjunath Reddy, Biplab, B,	Detection of phishing websites using a novel twofold ensemble model	Journal of Systems and Information Technology, ISSN: 1328-7265
16.	Priyank Kumar Singh, Sami Ur Rehman, Darshan J., Shobha G., Deepamala N	Automated Dynamic Schema Generation Using Knowledge Graph	IAES International Journal of Artificial Intelligence (IJ-AI) Accepted
Q3			
1.	Prerana S, Soudri S V, Dr. Ramakanth Kumar P, Sahana B	Enhancement of observability using Kubernetes operator	Indonesian Journal of Electrical Engineering and Computer Science, vol 25, issue 1,2022, https://doi.org/10.11591/ijeecs.v25.i1.pp496-503
2.	Prapulla S B, Jyothi Shetty, Vinay Kulkarni, Dr. K N Subramanya, Dr. Uma B V, Dr. Ramakanth Kumar P, Dr. Shobha G	Design and Analysis of an Online Course using Moodle Platform	Journal of Engineering Education Transformations, Vol 33, Special Issue, 2020, https://dx.doi.org/10.16920/jeet/2020/v33i0/150158
3.	Ravikumar J, Dr. Ramakanth Kumar P	A framework for named entity recognition of clinical data	Indonesian Journal of Electrical Engineering and Computer Science, vol 18, issue 2, 2020, http://doi.org/10.11591/ijeecs.v18.i2.pp946-952
4.	Amarjeet S, Dr. Ramakanth Kumar P, Nagaraja C	Empowering E-governance with E-voting	Indonesian Journal of Electrical Engineering and Computer Science , vol 12, issue 3., 10.11591/ijeecs.v12.i3.pp1081-1086
5.	Azra N, Dr. Shobha G	Deep Learning-Based Object Recognition in Video Sequences.	International Journal of Computing and Digital Systems, vol 11, issue 1, 2022, International Journal of Computing and Digital Systems, vol 11, issue 1, 2022
6.	Anurag, Atreya, Jyothi S, Arjuna C, Jeremy C, Dr. Shobha G	Design and Implementation of HSQL: A SQL-like language for Data Analysis in Distributed Systems	International Journal of Advanced Computer Science and Applications, 2021, 12(11), pp. 796–803, 10.14569/IJACSA.2021.0121190
7.	Ambu K, Dr. Shobha G, Jyothi Shetty, Roger D	Implementation of generative adversarial networks in hpc systems using gnn bundle	IAES International Journal of Artificial Intelligence, 2021, 10(2), pp. 374–381, http://doi.org/10.11591/ijai.v10.i2.pp374-381



8.	Yathish H R, Shubham, Tanmay, Lili Xu, Dr. Shobha G, Jyothi Shetty, Arjuna	Massively scalable density based clustering (DBSCAN) on the HPC systems big data platform	IAES International Journal of Artificial Intelligence, 2021, 10(1), pp. 374–381, 10.11591/ijai.v10.i1.pp207-214
9.	Poonam G, Manoj K, Md. Amaan, Mridul M, Krothik B, Dr. Shobha G	Recommendation System for SmartMart-A Virtual Supermarket	Advances in Science, Technology and Engineering Systems Journal Vol. 5, No. 6, 1408-1413 (2020), 10.25046/aj0506170
10.	Akshar P, Sourabh B, Yashwanth YS, Jyothi Shetty, Dr. Shobha G, Deepamala	Enhancement of Natural Language to SQL Query Conversion using Machine Learning Techniques	International Journal of Advanced Computer Science and Applications, Vol.11, 12, 2020, 10.14569/IJACSA.2020.0111260
11.	Minal M, Karthik Bhat, Dr. Shobha G, Vishal	Scapy Scripting to Automate Testing of Networking Middleboxes	Advances in Science, Technology and Engineering Systems Journal Vol. 5, No. 2, 293-298, 2020, https://dx.doi.org/10.25046/aj050238
12.	Shreyas, Abhishek, Sneha, Dr. Shobha G, Deepak Kumar	Integration of Third party Routing Stack to NetScaler CPX	Advances in Science, Technology and Engineering Systems Journal (ASTESJ), Vol 4, Issue 6, 2019, 10.25046/aj040624
13.	Dr. Badarinath, Mahesh, Lochan, Suresh, Dr. Rajashree Shettar	Design and development of portable smart traffic signaling system with cloud-artificial intelligence enablement	Indonesian Journal of Electrical Engineering and Computer Sciencethis link is disabled, 2022, 6(1), pp. 116–126, http://doi.org/10.11591/ijeecs.v26.i1.pp116-126
14.	Rahul M V, Dr. K N Subramanya, Dr. Rajashree Shettar	An adaptive model for traffic flow optimisation in dynamic environments	International Journal of Computational Science and Engineering , 2019, 19(1), pp. 25–35, 10.1504/IJCSE.2019.10016802
15.	Bhargavi k, Dr. Sathish Babu B, Jeremy P	Performance Modeling of Load Balancing Techniques in Cloud: Some of the Recent Competitive Swarm Artificial Intelligence-based	Journal of Intelligent Systems , 2020, 10.1515/jisys-2019-0084
16.	Jagadamba, Dr. Sathish Babu B	A service oriented adaptive trust evaluation model for ubiquitous computing environment.	International Journal of Ad Hoc and Ubiquitous Computing, Inderscience, Vol. 29, No. 4, 2018, 10.1504/IJAHUC.2016.10002303
17.	Sadanada, R, Ravi M Y, Dr. Sathish Babu B	Co-Operative Directional Routing Protocol for MANET	International Journal of Intelligent Engineering and Systems, Vol. 11, Issue 2, 2018, 10.22266/ijies2018.0430.11
18.	Srividya M S, Dr. Anala M R	Deep learning techniques for physical abuse detection	IAES International Journal of Artificial Intelligence, 2021, 10(4), pp. 971–981, 10.11591/ijai.v10.i4.pp971-981
19.	Dr. Anala M R	Design thinking approach to simplify monetary transactions for the visually challenged	British Journal of Visual Impairment, 2021, https://doi.org/10.1177/02646196211032492



20.	Pranith I, Shruteesh, Raghavendra, Dr. Anala M R, Dr. K N Subramanya	Adaptive real time traffic prediction using deep neural networks	IAES International Journal of Artificial Intelligence, Vol. 8, No. 2, June 2019, pp. 107-119, 10.11591/ijai.v8.i2.pp107-119
21.	Roopa R, Dr. Shanta Rangaswamy	Integrated mode of transport: a predictive model for route guidance	International Journal of Intelligent Unmanned Systems, ISSN: 2049-6427
22.	Mamatha, Dr. Krishnappa H K	Graph Theory Based Segmentation of Magnetic Resonance Images for Brain Tumor Detection	Pattern Recognition and Image Analysis, 2022, 32(1), pp. 153-161, https://doi.org/10.1134/S1054661821040167
23.	D B Srinivas, Sujay H, Rajan, Dr. Krishnappa H K	An efficient greedy task scheduling algorithm for heterogeneous inter-dependent tasks on computational grids	International Journal of Grid and Utility Computing, 2020, 11(5), pp. 683-704, ISSN (print): 1741-847X
24.	Dayananda P, Dr. Sowmyarani C N	Efficient local cloud-based solution for diabetic retinopathy detection	International Journal of Web-Based Learning and Teaching Technologies, 2021, 16(3), pp. 39-46, 10.4018/IJWLTT.20210501.oa3
25.	Dr. Sowmyarani C N, Veena Gadad	(p+, α , t)-Anonymity Technique Against Privacy Attacks	International Journal of Information Security and Privacy, 2021, 15(2), pp. 68-86, DOI: 10.4018/IJISP.2021040104
26.	Varun K, Pratiba, Dr. Poonam G, Dr. Ramakanth K P	React: A detailed survey	Indonesian Journal of Electrical Engineering and Computer Science, 2022, 27(1), pp. 1710-1717, http://doi.org/10.11591/ijeecs.v26.i3.pp1710-1717
27.	Dr. Poonam G	Diabetic retinopathy classification using deep convolutional neural network	Indonesian Journal of Electrical Engineering and Computer Science, 2021, 24(1), pp. 208-216, http://doi.org/10.11591/ijeecs.v24.i1.pp208-216
28.	Dr. Poonam G, Shashank, Athri R	Development of framework for detecting smoking scene in video clips	Indonesian Journal of Electrical Engineering and Computer Science, 2019, 13(1), pp. 22-26, http://doi.org/10.11591/ijeecs.v13.i1.pp22-26
29.	Dr. Pratiba D	Application-based smart parking system using CAN bus	Indonesian Journal of Electrical Engineering and Computer Science, 2018, 12(2), pp. 759-764, http://doi.org/10.11591/ijeecs.v12.i2.pp759-764
30.	Dr. Pratiba D	Anomaly detection in log records	Indonesian Journal of Electrical Engineering and Computer Science, 2018, 10(1), pp. 343-347, 10.11591/ijeecs.v10.i1.pp343-347
Q4			
1.	Siddhart S, Dr. Rajashree Shettar	Forecasting the coronavirus disease 2019 pandemic in India using machine learning and statistical models	International Journal of Mathematical Modelling and Numerical Optimisation, 2022, 12(3), pp. 211-232
2.	Sesha, S, Sai Sumanth, Radha, Dr. Minal M	Multi-Core Architecture and Network on Chip: Applications and Challenges	Journal of Computational and Theoretical Nanoscience 17(1):239-245, Jan 2020, DOI: 10.1166/jctn.2020.8657



3.	K S Reshma, Akash H, Dr. Sharvani G S	Implementation and system analysis of load balancing algorithms for public cloud systems	International Journal of System of Systems Engineering, 2022, 12(1), pp. 63–89, ISSN: 1748-0671
4.	Amulyashree, Dr. Sharvani G S, Manjunath Reddy	Envisaging prominence of indian telecom operators using an ensemble link based approach	Indian Journal of Computer Science and Engineering, 2020, 11(3), pp. 297–310, 10.21817/indjcsce/2020/v11i3/201103359
5.	Kalyan N, Dr. Sharvani G S	Emerging trend of big data analytics in bioinformatics: a literature review”	Int. J. Bioinformatics Research and Applications, Vol. 14, Nos. 1/2, 2018 IJBRA, Inderscience Online 1 Journal, Pp 144-205.
6.	Amith S, Dr. Sharvani G S	An extensive survey over traffic management / Load Balance in Cloud Computing	International Journal of Advanced computer science and Applications, (IJACSA) , Vol. 8, No. 3, 2017, pp 273-280
SCOPUS/WOS INDEXED JOURNALS AND BOOK CHAPTERS			
1.	Rohit Raj, Pratiba D, Dr. Ramakanth Kumar P	Facial Expression Recognition using Facial Landmarks: A novel approach	Advances in Science, Technology and Engineering Systems Journal Vol. 5, No. 5, 24-28 (2020)
2.	Kusuma, Dr. Ramakanth Kumar P	Driver Drowsiness Detection System Using Sensors	International Journal of Informatics and Communication Technology (IJ-ICT), 10.11591/ijict.v6i3.pp139-145
3.	Deepamala, Tushar, Shreyas, Sugosh, Dr. Shobha G	Automated Test Script Generation from Natural Language Query	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol 8, issue 7, 2019.
4.	Pradyot, Akshay, Madhwesh, Prapulla, Dr. Shobha G	IoT and Neural Network Based Multi Region and Simultaneous Leakage Detection in Pipelines	International Journal of Advanced Research in Engineering and Technology, 10(6), 2019, pp 61-68
5.	Deepamala N, Dr. Shobha G	Effective approach in making Capstone project a holistic learning experience to students of undergraduate computer science engineering program	JOTSE: Journal of Technology and Science Education 8 (4), 420-438
6.	Dr. Rajashree Shettar	Virtual Supercomputer Using Volunteer Computing	Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing, 2021, pp. 2663–2683, DOI: 10.4018/978-1-7998-5339-8.ch129 (Book Chapter)
7.	Shesha, Dr. Nagaraja G S	Inherent parallelism and speedup estimation of sequential programs	Annals of Emerging Technologies in Computing , 2021, 5(2), pp. 62–77



8.	Praveena T,Dr. Nagaraja G S	Implementation of Max-SNR opportunistic scheduling in cross layer design	International Journal of Engineering and Advanced Technology, 2019, 9(1), 10.35940/ijeat.A1761.109119
9.	N Jayashree, Dr. Sathish Babu	Edge data analytics technologies and tools	Advances in Computers , Elsevier, 5 April 2022, 10.1016/bs.adcom.2022.02.004 (Book Chapter)
10.	Bhargavi,Dr. Sathish Babu	Application of convoluted neural network and its architectures for fungal plant disease detection	Artificial Intelligence and IoT-Based Technologies for Sustainable Farming and Smart Agriculture, 2021, pp. 314–324, IGI Global , 10.4018/978-1-7998-1722-2.ch019 (Book Chapter)
11.	Bhargavi, Dr. Sathish Babu	A Dynamic Security Scheme for OppNets Using Cognitive Computing	International Journal of Mobile Computing and Multimedia Communications (IJMCMC), 2018, IGI Global, 10.4018/IJMCMC.2018070102
12.	Dr. Sathish Babu	Ant Based Adaptive Directional Monitoring MAC Protocol Using Smart Antennas in MANET	International Journal of Business Data Communications and Networking (IJBDCN), Vol 14, issue 1, 2018, IGI Global, 10.4018/IJBDCN.2018010103
13.	Ritesh, Vignesh, Dr. Anala M R	Autonomous Traffic Signal Control using Decision Tree	International Journal of Electrical and Computer Engineering (IJECE) Vol. 8, No. 3, June 2018, pp. 1522~1529, 10.11591/ijece.v8i3.pp1522-1529
14.	Dr. Minal M, Nikitha, Pavan	Sensor Data Analytics for Health Care	Artificial Intelligence for Information Management: A Healthcare Perspective. Studies in Big Data, vol 88. Springer, Singapore. Online ISBN978-981-16-0415-7, https://doi.org/10.1007/978-981-16-0415-7_5
15.	Dr. Minal M, Ananantakrishna, Soumya M	Autonomous Agents—Beginnings, Innings and Where We Are Headed	Recent Advances in Computational Intelligence, vol 823. Springer, Cham, 2019 (Book Chapter)
16.	Vijaya S, Dr. Sharvani G S	Kannada Handwritten Character Recognition Techniques: A Review	Intelligent Communication Technologies and Virtual Mobile Networks. Lecture Notes on Data Engineering and Communications Technologies, vol 131. Springer, Singapore, https://doi.org/10.1007/978-981-19-1844-5_56 (Book Chapter)
17.	Dr. Sharvani G S	Development of kid-friendly youtube access model using deep learning	Data Science and Security. Lecture Notes in Networks and Systems, vol 132. Springer, Singapore., 132, pp. 243–250, https://doi.org/10.1007/978-981-15-5309-7_26
18.	Nivedita, Dr. Shanta Rangaswamy	Machine Learning Techniques to Identify Dementia	SN Computer Science, 2020, 1(3), 118, https://doi.org/10.1007/s42979-020-0099-4
19.	Mahalakshmi, Dr. Krishnappa H K	Automated brain tumor segmentation and identification using MR images	International Journal of Innovative Technology and Exploring Engineering, 2019, 8(12), pp. 2647–2651



20.	Dayananda P, Dr. Sowmyarani C N	New approach for target setting mechanism of course outcomes in higher education accreditation	Journal of Economic and Administrative Sciences, ISSN: 1026-4116
21.	Dr. Sandhya S	Dynamic load balancing based on genetic algorithm	International Journal of Innovative Technology and Exploring Engineering, 2019, 8(11), pp. 176–179, 10.35940/ijitee.K1273.0981119
22.	Dr. Azra N, Shobha G	Analysis of video content through object search using SVM classifier	Innovations in electronics and communication engineering, LNNS, vol 7, 2018, pp. 325-333.(Book Chapter)
23.	Suma B	A Greedy Approach to Hide Sensitive Frequent Itemsets with Reduced Side Effects	Cyber-physical Systems and Digital Twins. REV2019 2019. Lecture Notes in Networks and Systems, vol 80. Springer, Cham (Book Chapter)
24.	Girish Rao	An efficient score level multimodal biometric system using ECG and fingerprint	Journal of Telecommunication, Electronic and Computer Engineering, 2018, 10(4), pp. 31–36
25.	Deepamala N	Linguistic Elegance of the Languages of South India	Computational Analysis and Understanding of Natural Languages: Principles, Methods and Applications, https://doi.org/10.1016/bs.host.2018.07.002
26.	Aashish J, Salman, Anisha, Ramakanth KP	Smart Transportation: An Edge-Cloud Hybrid Computing Perspective	In book: Inventive Communication and Computational Technologies, January 2020.
27.	Harish, Saksham, Anisha, Ramakanth K P	Implementing Machine Learning on Edge Devices with Limited Working Memory	Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 89),2020

No. of Q1 Publications: 3.

No. of Q2 Publications: 16

No. of Q3 Publications: 30

No. of Q4 Publications: 6

No. of Scopus Indexed/ WOS/ Book Chapters Publications: 27