

Thiagarajar College of Engineering, Madurai-625015
Department of Computer Science and Engineering



Publication details: 2017- 2019

SN O	Faculty	Title of the Paper	Publication details
JOURNALS			
1.	Dr.S. KarthickSeshadri Dr.S. Mercy Shalinie Mr.Sidharth Manohar	A Distributed parallel algorithm for inferring hierarchical groups from large – scale text corpuses	Concurrency and Computation Practice and Experience Journal, Wiley, Volume-30, Issue-11, June 2018.
2.	Dr.K.Sundarakantham Dr.S.Prabavathy Dr.S.MercyShalinie	Design of cognitive fog computing for intrusion detection in internet of things	Journal of Communications and Networks, Volume-20, issue-3, pp.291-298, June 2018.
3.	Ms.A.Malini Dr.K.Sundarakantham Ms.A.Bhavithrachelvi Mr.C. Mano Parthibhan	Fuzzy based automated interruption testing model for mobile applications	International Journal of Business Intelligence and Data Mining, Inderscience Publishers.
4.	Dr.K.Sundarakantham Dr.S.Prabavathy Dr.S.MercyShalinie	Design of cognitive fog computing for autonomic security system in critical infrastructure	Journal of Universal Computer Science, Volume-24, issue-5, pp.577-602,2018.
5.	Dr.J.Hemalatha Dr.M.K.Kavitha Devi Dr.S.Geetha	Improving image steganalyser performance through curvelet transform denoising	Cluster Computing, Springer, pp.1-9, Jan 2018.
6.	Dr. Vijayalakshmi M Dr.S.Mercyshalinie Yang M.H	HPSIT: AHigh precision single packet IP traceback scheme	Computer Networks , Vol-143, Pp. 275-288,2018. https://doi.org/10.1016/j.comnet.2018.07.013
7.	Mrs.J Jane Rubel Angelina Dr.K Sundarakantham Ms.D Velmurugan	High-speed data deduplication using parallelized cuckoo hashing	Turk Journal of Electrical Engineering & Computer Science, volume-26, issue-3, pp.1417 – 1429 , 2018.
8.	Dr.K. Narasimha Mallikarjunan Dr.G. Preetha Dr.S. Mercy Shalinie	Real time attacker behavior pattern discovery and profiling using fuzzy rules	Journal of Internet Technology, volume-19, issue-5, pp.1567-1575, 2018.

9.	Mrs.M. Suguna Dr.S. Mercy Shalinie	Privacy preserving auditing protocol for remote data storage	Cluster Computing, pp. 1-8, 2018.
10.	Dr.R.Leenasri Dr.N.Balaji	Speculation resource provisioning in high performance computing	Kuwait Journal of Science, Volume-44, Issue-1, pp.58-63, 2017.
11.	Dr.R.Leenasri Dr.N.Balaji	An empirical model of adaptive cloud resource provisioning with speculation	Soft Computing, Springer, pp. 1-17, Nov-2018.
12.	Mr.R.Raja Subramanian Dr.S.Karthick	Design and evolution of a hybrid hierarchical feature tree based authorship inference technique	Advances In Data and Information Sciences, Volume-39, pp. 89-104. Springer, Singapore 2019.
13.	Mrs.A.M. Rajeswari Dr.C.Deisy	Prediction of risk factors for prediabetes using a frequent pattern based outlier detection	International Journal of Biomedical Engineering and Technology Inderscience Publishers, 2019.
14.	Mrs.B.Subbulakshmi Dr.C.Deisy	An improved incremental algorithm for mining weighted class-association rules	International Journal of Business Intelligence and Data Mining, volume-13, issue-1/3, pp.291-308, 2018.
15.	Dr.M. Vijayalakshmi Dr.S.MercyShalinie Dr.M.H.Yang	Design and analysis of hybrid single packet IP traceback scheme	IET Networks, Volume-7, Issue-3, pp. 141-151, 2018.
16.	Mrs.G. MadhuPriya Dr.S. Mercy Shalinie Ms.P. MohanaPriya	Deep learning for early detection of instruction in virtual environment	International Journal of Business Intelligence and Data Mining, Inderscience, 2019.
17.	Mr.K. Narasimha Mallikarjunan Mr.A. Bhuvaneshwaran Dr.S. Mercy Shalinie	BAIT: Behavior aided intruder testimony technique for attacker intention prediction in business data handling	International Journal of Business Intelligence and Data Mining, volume-14, issue-1/2, pp.177-198, 2019.
18.	Mrs.M. Nirmala Devi Dr.Appavu Alias Balamurugan	Boosted bayes approach for the prediction of diabetes and Non-Communicable diseases	Journal of Web Engineering, Volume- 17,issue-6, pp.1901-1913, 2018.
19.	Mrs.M. Nirmala Devi Ms.S. Meena	Administrative decision making by computational Intelligence strategies for dairy development sector	International Journal of Pure and Applied Mathematics, Volume-118, issue- 20,pp.95-105, 2018.

20.	Mrs.B.Subbulakshmi Mrs. S. Padmavathi	Tailor-made educational model realizing intended Learning outcome to enhance competencies among Engineering graduates	Journal of Engineering Education Transformations, Special Issue Jan. 2018.
21.	Mrs.M. Nirmala Devi, Dr.Appavu Alias Balamurugan, Ms.S. Meena	Healthcare diagnosis by using computational intelligence algorithms	International Journal of Engineering Technology Science and Research, Volume 4, Issue-11,November 2017
22.	Mrs.J Jane Rubel Angelina Dr.K.Sundarakantham Mr.D. Velmurugan	Collision handling in a data deduplication system using permutation hashing	Taga Journal, 2018.
23.	Mrs.B.Subbulakshmi Ms.S.K.Janane Ms.M.S.Keerthana	Hybrid classification for sentiment analysis of movie reviews	International Journal of Engineering Sciences & Research Technology,2018.
24.	Dr.C.Deisy Mr.S. Ilankumaran	Multi-biometric authentication system using finger vein and iris incloud computing	Cluster Computing the Journal of Networks, Software Tools and Applications pp.1-15, 2018.
25.	Dr.J.Hemalatha Dr.M.K.Kavitha Devi Dr.S.Geetha	Enhancing the jpeg image stegenography security by RSA and attaining high payload using advanced DCT replacement method and modified quantization table	International Journal of Business Intelligence and Data Mining, Volume-14, Issue-1/2, pp.138-154,2019.
26.	Dr.Maya Mohan, Dr.M.K.Kavitha Devi Mr.V.Jeevan Prakash	Confidential and efficient asset proof for bitcoin exchanges	Indian Academy of Science Vol-43, Issue-8, pp.126, June 2018.
27.	Ms.K.Abhirami Dr.M.K.Kavithadevi	Web user behaviour modeling discovering behaviour patterns and analysis on pattern accuracy	International Journal of Latest Trends In Engineering & Technology, pp 170-174, 2017.
BOOKS & BOOK CHAPTERS			
28.	Dr.P. Chitra Mr.R. Suraj	Cube NoC based on hybrid topology: a thermal aware routing	Proceedings of First International Conference on Smart System, Innovations and Computing , pp. 669 – 681 , Smart Innovation, Systems and Technologies, Springer, Jan 2018.

29.	Dr.S. KarthickSeshadri Dr.R.Nagaratha Ms.R. Manorajani Mrs.P. Vimala Rani Dr.S. Mercy Shalinie	Leveraging social networks for smart cities: a case – study in mitigation of air pollution	Smart Secure Systems IOT and Analytics Perspective, International Conference on Intelligent Information Technologies 2017, Pp.179-193, Dec 2017.
30.	Dr.K.Sundarakantham Dr.S.Prabavathy Dr.S.MercyShalinie	Fog computing based autonomic security approach to internet of things applications	Computational Intelligence: Theories, Applications and Future Directions, Advances In Intelligent Systems and Computing, Springer, pp.3-14, Sept. 2019.
31.	Dr.K.Narasimha Mallikarjunan Dr.K.Sundarakantham Dr.S.Prabavathy Dr.S.MercyShalinie	Fog computing based autonomic security approach to internet of things applications	Computational Intelligence: Theories, Applications and Future Directions, Advances In Intelligent Systems and Computing, Springer, pp.3-14, Sept. 2019.
32.	Dr.M. P. Ram Kumar Dr.G. S. R. Emil Selvan Ms.R. Jeyarohini	Raid-6 code variants for recovery of a failed disk	Soft Computing In Data Analytics. Advances In Intelligent Systems and Computing, Volume-758, Springer, Singapore, August 2018.
33.	Dr.M.K.Kavitha Devi Dr.J.Hemalatha Dr.S.Geetha	A comparative review of various machine learning approaches for improving the performance of steg-anomaly detection	IGI Global Publications, pp.351-371, 2018.
34.	Dr.G. S. R. Emil Selvan Dr.M. P. Ram Kumar Ms.R. JeyaRohini	Raid-6 code variants for recovery of a failed disk	Soft Computing In Data Analytics. Advances In Intelligent Systems and Computing, Volume-758. Springer, Singapore, August 2018.
35.	Dr.T.Manikandan Dr.N.Kamaraj	Mitigation of black hole attack using IDS in mobile Adhoc networks	Lambert Academic Publishing, 2017.
36.	Dr.M.K.Kavitha Devi	FAQ's in computer science and information technology	Dipti Press Publications, 2018.
37.	Dr.C.Senthil Kumar Dr.KamarajNagappan	Mitigation of malicious nodes in Manet's using trust management	Lambert Academic Publishing, 2017.
38.	Dr.M.K.Kavitha Devi	Fascinating projects in C++	Dipti Press Publications, 2017.

39.	Dr.N. Shivakumar Dr.Narayanan Balaji Mr.V. VignarajAnanth	Analysis and design of software development effort estimation	Lambert Academic Publishing, 2017.
40.	Mrs.M. Nirmala Devi Ms.K. Rohini	Transformational role of women	Thiagarajar College of Engineering, March 2018.
41.	Mrs.M. Nirmala Devi Ms.R. Vinothini Ms.S. Meena	Scientific and technological contribution of women	Thiagarajar College of Engineering, March 2018.
42.	Mr.V. VignarajAnanth Dr.N. Shivakumar Dr.Narayanan Balaji	Analysis and design of software development effort estimation	Lambert Academic Publication,2017.
CONFERENCES			
43.	Dr.S. Mercy Shalinie Mrs.P.Vimala Rani Mrs.R.Nagarathna Mr.P.Pariventhan Mr.K.Rajkumar	Fuzzy based congestion-aware secure (FuCaS) Route selection in ICN	9 th International Conference on Computing, Communication and Networking Technology, pp.1-7, 2018.
44.	Mrs.B.Subbulakshmi Ms.T. Vijayalakshmi Dr.C.Deisy	Top rank k frequent itemset mining using diff node sets	Research Conference on Data & Decision Science, 2018.
45.	Dr.T.Manikandan Dr.C.Senthil Kumar Ms.R.Nisha Ms.S. Muthu Mr.Ranjith Kumar	A novel defence scheme to prevent malicious node in manet	IEEE Conference , Proceedings of The 2 nd International Conference on Trends In Electronics and Informatics, pp.1183-1188.
46.	Mrs.Raja Lavanya Dr.K.Sundarakantham Dr.S.MercyShalinie	Cost effective re-keying approach for dynamic membership changes ingroup key management	Computational Intelligence, Cyber Security and Computational Models, Pp No. 439-448, Springer 2018.

47.	Mr.K. Narasimha Mallikarjunan Mr.A. Bhuvaneshwaran Dr.K. Sundarakantham Dr.S. Mercy Shalinie	DDAM: Detecting DDoS attacks using machine learning approach	Computational Intelligence: Theories, Applications and Future Directions, Advances In Intelligent Systems and Computing, Springer, Volume I ,pp.261-273, Sept. 2019.
48.	Mr.K. Narasimha Mallikarjunan Dr.K. Sundarakantham Dr.S. Mercy Shalinie Ms. M.Aarthi	Evaluation of security metrics for system security analysis	Computational Intelligence: Theories, Applications and Future Directions, Advances In Intelligent Systems and Computing, Springer, Volume I, Pp.187 -197, 2019.
49.	Mr.V.VignarajAnanth Dr.S.Srinivasan Mr.E.PeteJohannasSamuelraj Mr.R.Chellamani	Effort based software estimation using regression methodology	Proceedings of 1 st International Symposium on Artificial Intelligence and Computer Vision, 2018.
50.	Mrs.A.M. Rajeswari Ms.S.K. Yalini Ms.R. Janani Ms.N. Rajeswari Dr.C. Deisy	A comparative evaluation of supervised and unsupervised methods for detecting outliers	Published in: Second International Conference on Inventive Communication and Computational Technologies, pp.1068-1073, 2018.
51.	Mrs.A.M. Rajeswari Ms.M. SumaiyaSidhika Ms.M. Kalaivani Dr. C.Deisy	Prediction of prediabetes using fuzzy logic based association classification	IEEE Proceedings of The 2 nd International Conference on Inventive Communication and Computational Technologies, pp.782-787, 2018.
52.	Dr.C.Senthil Kumar Ms.R.Nisha Dr.T.Manikandan Mr.S. Muthu Ranjith Kumar	A novel defence scheme to prevent malicious node in manet	IEEE Conference Proceedings of The 2 nd International Conference on Trends In Electronics and Informatics (Icoei 2018), pp.1183-1188, 2018.
53.	Dr. T. Chandra Kumar Mr. C. Sridaran Dr. S. Parthasarathy	Web service security in B2B applications using xml	International Conference on Advances In Computer Science Engineering and Technology, January 2018.

54.	Dr.K.Sundarakantham Ms. J. Felicia Lilian Dr. S. Mercy Shalinie	An efficient information retrieval mechanism from relevant document	Proceedings of 1 st International Symposium on Artificial Intelligence and Computer Vision, 2018.
55.	Dr.K.Sundarakantham Dr.S.Prabavathy Dr.S.MercyShalinie	Decentralized secure framework for social collaborative internet of things	International Conference on Signal Processing, Communication & Networking, pp.1-6, Oct 2017.
56.	Dr.M.K.Kavitha Devi Dr.Maya Mohan Mr.V.Jeevan Prakash	Homomorphic encryption-state of the art	International Conference on Intelligent Computing &Control, 2017.
57.	Ms.Natasha Jeppu Mr.Yogananda Jeppu Dr.M.K.Kavitha Devi	Teaching formal methods at undergraduate/graduate level: three perspectives	International Conference on Applied and Theoretical Computing and Communication Technology, pp.310-315, June 2018.
58.	Mrs.M.Nirmaladevi Ms.S.Meena	Administrative decision making by computational intelligence strategies for dairy development sector	Proceedings of The 3 rd International Conference on Design, Analysis, Manufacturing and Simulation (Icdams-2018), April 06 & 07, 2018.
59.	Dr.M.P.Ram Kumar Ms.V.Srijha	Access time optimization in data replication	IEEE Conference Proceedings of The 2 nd International Conference on Trends In Electronics and Informatics, pp.1161-1165, 2018.
60.	Mrs.M. Suguna Dr.S. Mercy Shalinie	Secure identity management in mobile cloud computing	International Conference on Nextgen Electronic Technologies, 2017.
61.	Dr.P Chitra Mr.T Inbarasan Mr.S Gogula Krishnan	Hybrid adaptive routing algorithm for 2D mesh on-chip networks	IEEE 3 rd International Conference on Sensing, Signal Processing and Security pp.284-289,2017.
62.	Mrs.Raja Lavanya Ms.M.Nivetha Ms.K. Revasree Ms.K.Sandhiya	Smart chair- A telemedicine based health monitoring system	IEEE Conference Proceedings of The 2 nd International Conference on Electronics, Communication and Aerospace Technology (ICECA2018), pp.459-463, 2018.

63.	Dr. R. Leena Sri Dr.S.Muthuramalingam	A Novel summative grading assessment strategy for improving students performance	IEEE 4 th International Conference on MOOCS, Innovation and Technology In Education (Mite), pp.311-316, September 2017.
64.	Dr. KarthickSeshatri Dr.S. Mercy Shalinie Ms.S. Umabharathi Ms. Kavya Saroja	Parallel hierarchical subspace clustering for segmenting large text corpuses	International Conference on Trends In Electronics and Informatics (Icei), pp.1-6, February 2018.
65.	Dr.S. Mercy Shalinie Mr.Jay Ramanathan Mr.Rajesh Harinarayan Rajasekaran	A novel data-driven DSSE method to achieve water sustainability for farmers in Madurai district, India	9 th International Conference on Computing, Communication and Networking Technology (Icccnt 2018), pp.1-7, July 10-12, 2018, IISC, Bengaluru,India.
66.	Dr.S. Mercy Shalinie Mrs.P.Vimala Rani Mrs.R.Nagarathna Mr.P.Pariventhan Mr.K.Rajkumar	Detecting and assuaging against interest flooding attack using statistical hypothesis testing in next generation ICN	9 th International Conference on Computing, Communication and Networking Technology (Icccnt 2018) July 10, pp.1-7, 2018.
67.	Dr.S.MercyShalinie Dr.S.Raju Dr.Uma Kannan Mrs.R.Nagarathana	Women empowerment in rural areas of Madurai: A case study on IC harvest	National Conference on Role and Challenges of Women's Participation In Environmental Sustainability and Innovation, 2018, Jawaharlal Nehru University, New Delhi, India
68.	Dr.S. Mercy Shalinie Mrs.Nagarathna Ravi	TEFENS: Testbed for experimenting next-generation-network security	IEEE 5G World Forum (5GWF), pp. 204-209, July 2018.
69.	Dr.S.Sudha Ms.S.DivyaBharathi	A survey on gene selection for microarray cancer classification based on soft computing techniques	IEEE Proceedings of The International Conference on Inventive Research In Computing Applications (Icirca 2018), pp.304-309, 2018.
70.	Dr.S.Sridevi Ms.U.Abirami	Traffic flow prophecy with map reduce job for big data driven	IEEE Eighth International Conference on Advanced Computing, pp.13-18, 2017.

71.	<p>Ms.R.Anusowbarani Mr.M.Aravindkumar Ms.M.Archana Mr.M.Dineshkumar Mrs.Raja Lavanya</p>	<p>Pre-paid energy meter using GSM and Aurdino</p>	<p>National Conference on Big Data Analytics and Mobile Technologies, Thiagarajar College of Engineering held on 24-25 March, 2017.</p>
72.	<p>Mrs.Raja Lavanya Ms.B.Umadevi Ms.A.Vadiarasi</p>	<p>Mobile application for indoor positioning system using WIFI and staff attendance system using geofence</p>	<p>International Conference on Engineering and Advancement In Technology, held on March 22 - 23, 2018.</p>