

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



Faculty Publications

Journals 2020-2021

S.No	Authors	Title	Publisher details	Impact Factor & Indexing	DOI
1.	Nagarathna Ravi. Mercy Shalinie S.	Semi-Supervised Learning based Security to Detect and Mitigate Intrusions in IoT Network	IEEE Internet of Things Journal, volume-7, issue-11, pages:11041-11052, November 2020.	Impact Factor: 9.936, Scopus, SCI and Web of Science indexed	10.1109/JIOT.2020.2993410
2.	Nagarathna Ravi Mercy Shalinie S.	Learning-Driven Detection and Mitigation of DDoS Attack in IoT via SDN-Cloud Architecture	IEEE Internet of Things Journal, volume-7, issue-4, pages:3559-3570, April 2020.	Impact Factor: 9.936, Scopus, SCI and Web of Science indexed	10.1109/JIOT.2020.2973176
3.	Divya V. Leena Sri R.	Docker based Intelligent Fall Detection using Edge-Fog Cloud Infrastructure	IEEE Internet of Things Journal, volume-53, issue-1, pages:45-50, December 2020.	Impact Factor:9.936, Scopus, SCI and Web of Science indexed	10.1109/JIOT.2020.3042502
4.	Abirami S. Chitra P.	Regional air quality forecasting using spatiotemporal deep learning	Journal of Cleaner Production, Elsevier, volume-283, page:125341, February 2021.	Impact Factor: 9.297, Scopus and SCIE indexed	10.1016/j.jclepro.2020.125341
5.	Ragaventhiran J. Kavithadevi M.K.	Map-optimize-reduce: CAN tree assisted FP-growth algorithm for clusters-based FP mining on Hadoop	Future Generation Computer Systems, Elsevier, volume-103, pages:111–122, February 2020.	Impact Factor:6.125, Scopus, SCIE and Web of Science indexed	10.1016/j.future.2019.09.041
6.	Yang M.-H. Luo J.-N. Vijayalakshmi M. Mercy Shalinie S.	Hybrid multilayer network traceback to the real sources of attack devices	IEEE Access, volume-8, pages:201087-201097, October 2020	Impact Factor:4.983, SCI, SCIE, Scopus and Web of Science indexed	10.1109/ACCESS.2020.3034226
7.	Nagarathna Ravi Mercy Shalinie S. D. D. J. Theres.	BALANCE: Link Flooding Attack Detection and Mitigation via Hybrid-SDN	IEEE Transactions on Network and Service Management, volume-17, issue-3, pages:1715-1729, September 2020.	Impact Factor: 4.195. Scopus, SCI and Web of Science indexed	10.1109/TNSM.2020.2997734
8.	Nagarathna Ravi Mercy Shalinie S. Chhagan lal Mauro Conti	AEGIS: Detection and Mitigation of TCP SYN Flood on SDN Controller	IEEE Transactions on Network and Service Management, volume-18, issue-1, pages:745-759, November 2020.	Impact Factor: 4.195. Scopus, SCI and Web of Science indexed	10.1109/TNSM.2020.3037124

9.	Nagarathna Ravi Mercy Shalinie S.	BlackNurse-SC: A Novel Attack on SDN Controller	IEEE Communication Letters, volume-25, issue-7, pages:2146-2150, April 2021.	Impact Factor: 3.436. Scopus, SCI and Web of Science indexed	10.1109/LCOMM.2021.3075898
10.	Abinaya S. Kavitha Devi M.K.	Enhancing Top-N Recommendation Using Stacked Autoencoder in Context-Aware Recommender System	Neural Processing Letters, Springer, volume-53, pages:1865-1888, March 2021.	Impact Factor:2.908., Scopus and Web of Science indexed	10.1007/s11063-021-10475-0
11.	Vijayalakshmi M. Mercy Shalinie S. Yang M.H. Raja Meenakshi U.	Web phishing detection techniques: A survey on the state-of-the-art, taxonomy and future directions	IET Networks, volume-9, issue-5, pages:235- 46, September 2020.	Impact Factor:2.652, Scopus and SCIE indexed	10.1049/iet-net.2020.0078
12.	Rasina Begum B. Chitra P.	SEEDDUP: a three-tier SEcurE data DedUPlication architecture-based storage and retrieval for cross- domains over cloud	IETE Journal of Research, pages: 1-18, Februray 2021.	Impact Factor:2.33, Scopus, SCIE and Web of Science indexed	10.1080/03772063.2021.1886882
13.	Venkatesh M. Suguna M. Balamurugan N.B.	Influence of Germanium Source Dual Halo Dual Dielectric Triple Material Surrounding Gate Tunnel FET for Improved Analog/RF Performance	Silicon, Springer, pages:1-9, January 2020.	Impact Factor:1.823, Scopus and SCIE indexed	10.1007/s12633-020-00385-6
14.	Vimala Rani.P. Mercy Shalinie.S.	FuRL: fuzzy RBM learning framework to detect and mitigate network anomalies in Information Centric Network	Indian Academy of Sciences, Sadhana, Springer, volume-45, issue-1, pages: 1-13, December 2020.	Impact Factor: 1.43, Scopus indexed	10.1007/s12046-020-01331-3
15.	Leena Sri R. Divya V.	Docker based Intelligent Fall Detection using Edge-Fog Infrastructure	IFAC-PapersOnLine, Elsevier, volume-53, issue-1, pages:45-50, December 2020.	Impact Factor:1.132, Scopus and Web of Science indexed	10.1016/j.ifacol.2020.06.008
16.	Parthasarathy S. Sridharan C. Chandrakumar T. Sridevi S.	Quality assessment of standard and customized COTS products	International Journal of Information Technology Project Management, volume- 11,issue-3, pages: 1-13,	Impact Factor:1.2, ESCI, SCOPUS and Web of Science indexed	10.4018/IJITPM.2020070101

			July 2020.		
17.	Vignaraj Ananth V. Srinivasan S.	AGS: a precise and efficient AI-based hybrid software effort estimation model	International Journal of Business Intelligence and Data Mining, Inderscience, volume-18, issue-1, pages: 1-16, November 2020.	Impact Factor:0.51, Scopus indexed	10.1504/IJBIDM.2021.111739
18.	Felicia Lilian J. Sundarakantham K. Mercy Shalinie.S.	QeCSO: Design of hybrid Cuckoo Search based Query expansion model for efficient information retrieval	Sadhana - Academy Proceedings in Engineering Sciences, Springer, volume-46, issue-3, pages:1-11, September 2021.	Scopus indexed	10.1007/s12046-021-01706-0
19.	Felicia Lilian J . Sundarakantham K. Mercy Shalinie.S.	Anti-negation method for handling negation words in question answering system	Journal of Supercomputing, Springer, volume-77, issue-5, pages:4244 – 4266, May 2021.	Scopus indexed	10.1007/s11227-020-03437-1
20.	Indira K. Kavitha Devi M.	Enhanced recommender system for managing sparse data in secured cloud for e-business management	Advances in Mathematics: Scientific Journal, volume-9, issue-8, pages: 5731-5744, 2020.	Scopus indexed	10.37418/amsj.9.8.41
21.	Rajeswari, A. M. Deisy C.	Prediction of Risk Factors for Prediabetes using a Frequent Pattern based Outlier Detection	International Journal of Biomedical Engineering and Technology, Inderscience, volume-34,issue-2, pages:152-171, October 2020.	Scopus indexed	10.1504/IJBET.2020.111001
22.	Sivakumar M. Renuka P. Chitra P. Karthikeyan S.	IoT incorporated deep learning model combined with SmartBin technology for real-time solid waste management	Computational Intelligence, Wiley, 2021.	Impact Factor=2.33 Scopus and SCIE indexed	10.1111/coin.12495

Book Chapters 2020-2021

S.No	Authors	Title	Publisher details	Impact Factor & Indexing	DOI
1.	Sundarakantham K. Felicia Lilian J. Rajashree H. Mercy Shalinie S.	ACA: Attention-based context-aware answer selection system	Advances in Intelligent Systems and Computing, Springer, volume-1085, pages: 327-338, February 2020.	Impact Factor:0.634 Scopus indexed	10.1007/978-981-15-1366-4_26
2.	Rajesh Harinarayan R. Rajkumar Krishnan Mercy Shalinie S.	Intelligent Building and Environmental Controls for Futuristic Smart Cities Powered by Cyber Physical Intelligence	Smart Cyber Physical Systems Advances, Challenges and Opportunities, Chapman and Hall/CRC Taylor & Francis group, pages:59-78, December 2020.	-	-
3.	Abirami S. Chitra P.	Energy-efficient edge based real-time healthcare support system	Advances in Computers, Elsevier, volume-117, issue-1, pages: 339-368, 2020.	Scopus Indexed	10.1016/bs.adcom.2019.09.007
4.	Sankar V.V. Chitra P. Poonkuzhali B.	WattCastLSTM— Power Demand Forecasting Using Long Short-Term Memory Neural Network	Innovations in Sustainable Energy and Technology, Springer, pages: 1-11, May 2021.	-	10.1007/978-981-16-1119-3_1
5.	Asok D. Chitra P. Muthurajan B.	Privacy Preserving Machine Learning and Deep Learning Techniques: Application—E-Healthcare	Research Anthology on Privatizing and Securing Data, IGI Global, pages: 1621-1634, 2021.	-	10.4018/978-1-7998-8954-0.ch078

6.	Karthikeyan P. Manikandakumar M. Sri Subarnaa D.K. Priyadharshini P.	Weed Identification in Agriculture Field Through IoT	Advances in Smart System Technologies, Springer, volume-1163, pages: 495-505, August 2020.	-	10.1007/978-981-15-5029-4_41
7.	Manikandakumar M.	Smart Cataract Detector: An Image Processing- Based Mobile Application for Cataract Detection	Computational Intelligence and Soft Computing Applications in Healthcare Management Science, IGI Global, pages: 246-262, 2020.	-	10.4018/978-1-7998-2581-4.ch011