

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



Faculty Publications

Journals 2018-2019

S.No	Authors	Title	Publisher details	Impact Factor & Indexing	DOI
1.	Vijayalakshmi M. Mercy Shalinie S. Ming-Hour Yang	HPSIPT: A high-precision single-packet IP traceback scheme	Computer Networks, Elsevier, volume-143, pages: 275-288, October 2018.	Impact Factor: 4.474. Scopus and SCIE indexed	10.1016/j.comnet.2018.07.013
2.	Leena Sri.R. Balaji.N.	An empirical model of adaptive cloud resource provisioning with speculation	Soft Computing, Springer, volume-23, issue-21, pages:10983–10999, November 2018.	Impact Factor: 3.643 Scopus and SCI indexed	10.1007/s00500-018-3654-3
3.	Sudha S. Baskar S. Krishnaswamy S.	Protein docking using constrained self-adaptive differential evolution algorithm	Soft Computing, Springer, volume-23, pages: 11651–11669, January 2019.	Impact Factor: 3.643 Scopus and SCI Indexed	10.1007/s00500-018-03717-2
4.	Vijayalakshmi M. Mercy Shalinie S. Ming-Hour Yang	Design and analysis of hybrid single packet IP traceback scheme	IET Networks, volume-7,issue-3, pages: 141 – 151 , May 2018.	Impact Factor:2.652 Scopus and SCIE indexed.	10.1049/iet-net.2017.0115
5.	Prabavathy S. Sundarakantham K. Mercy Shalinie S.	Design of cognitive fog computing for intrusion detection in Internet of Things	Journal of Communications and Networks, volume-20, issue-3, pages: 291-298, August 2018.	Impact Factor:2.7, Scopus and SCIE indexed	10.1109/JCN.2018.000041
6.	Prabavathy S. Sundarakantham K. Mercy Shalinie S.	Design of cognitive fog computing for autonomic security system in critical infrastructure	Journal of Universal Computer Science, volume-24,issue-5, pages: 577-602,June 2018.	Impact Factor: 1.155, Scopus and Web of Science indexed	-
7.	Hemalatha J. Kavitha Devi M.K. Geetha S.	Enhancing the JPEG image steganography security by RSA and attaining high payload using advanced DCT replacement method and modified quantisation table	International Journal of Business Intelligence and Data Mining, Inderscience, volume-14, issue-1:2, pages: 138-154, December 2018.	Impact Factor:0.9, Scopus indexed	10.1504/IJBIDM.2019.096812

8.	Narasimha Mallikarjunan K. Mercy Shalinie S. Bhuvaneshwaran A.	BAiT: Behaviour aided intruder testimony technique for attacker intention prediction in business data handling	International Journal of Business Intelligence and Data Mining, Inderscience, volume-14, issue-1:2, pages: 177-198, December 2018.	Impact Factor: 0.51, Scopus indexed	10.1504/IJBIDM.2019.096835
9.	Mallikarjunan K.N. Mercy Shalinie S. Preetha G.	Real time attacker behavior pattern discovery and profiling using fuzzy rules	Journal of Internet Technology, volume-19,issue-5, pages: 1567-1575 , September 2018.	Impact Factor:1.005, Scopus indexed	10.3966/160792642018091905028
10.	Murugesan V. Mercy Shalinie S.	UDP based IP Traceback for Flooding DDoS Attack	International Arab Journal of Information Technology, volume-15,issue-1, pages:14-22 ,January 2018.	Impact Factor:0.708, Scopus and SCIE indexed	-
11.	Malini A. Sundarakantham K. Prathibhan C.M. Bhavithrachelvi.	Fuzzy-based automated interruption testing model for mobile applications	International Journal of Business Intelligence and Data Mining, volume-15,issue-2, pages: 228-253 ,May 2019.	Impact Factor:0.51, Scopus indexed	10.1504/IJBIDM.2019.101263
12.	Subbulakshmi B. Deisy C.	An improved incremental algorithm for mining weighted class-association rules	International Journal of Business Intelligence and Data Mining, volume-13,issue-1:3, pages:291-308,2018.	Impact Factor:0.51, Scopus indexed	10.1504/IJBIDM.2018.088437
13.	Naveena M. Shivakumar N.	Survey on Recommender Systems for solving Cold start problem	International Journal of Recent trends in Engineering and Research, pages: 426-437, March 2019.	Impact Factor:4 .101	-
14.	Suguna M. Mercy Shalinie S.	Provable dynamic auditing in mobile cloud computing for secure storage of e-health data	Biomedical Research (India), November 2018.	Impact Factor: 0.308, Scopus indexed	-
15.	Padmavathi S. Subbulakshmi B.	Tailor-made educational model realizing intended learning outcome to enhance competencies among engineering graduates	Journal of Engineering Education Transformations, January 2018.	Impact Factor:0.134, Scopus indexed	10.16920/jeet/2018/v0i0/120935

16.	Rajeswari A. M. Deisy C.	Fuzzy logic based associative classifier for slow learner's prediction	Journal of Intelligent & Fuzzy Systems, IOS press, volume-36,issue-3,pages: 2691-2704 , January 2019.	Scopus and Web of Science indexed	10.3233/JIFS-18748
17.	Jeyaraj J.R.A. Kambaraj S. Dharmarajan V.	High-speed data deduplication using parallelized cuckoo hashing	Turkish Journal of Electrical Engineering & Computer Sciences, volume-26,issue-3,pages: 1417-1429, May 2018.	Scopus and Web of Science indexed	10.3906/elk-1708-336
18.	Nirmala Devi M. S.Appavu alias Balamurugan	Boosted Bayes approach for the prediction of Diabetes and Non communicable Diseases	Journal of Web Engineering, volume-17,issue-6, pages:1901-1913, 2018.	-	-
19.	Vignaraj Ananth V. Srinivasan S.	Empirical Based Effort Estimation Using Machine Learning Algorithms	Journal of Electrical Engineering, volume-18,issue-4, pages: 7-14, February 2018.	Impact Factor:0.18, Scopus indexed	-
20.	Prasanna, S. Balaji N. Archana Gayathri B.	Routing Attacks and Their Defenses for Wireless Sensor Networks in the Internet of Things (IoT)	Taga Journal of Graphic Technology, Volume - 14, pages: 1188-1196, 2018.	-	-

Book Chapters 2018-2019

S.No	Authors	Title	Publisher details	Impact Factor & Indexing	DOI
1.	Manikandan T. Balamurugan B. Senthilkumar C. Rajesh Alias Harinarayan R. Raja Subramanian R.	Cyberwar is Coming	Cyber Security in Parallel and Distributed Computing: Concepts, Techniques, Applications and Case Studies, Wiley, pages:79-89, March 2019,	-	10.1002/9781119488330
2.	Suguna M. Mercy Shalinie S. Sivaranjani R.	Integrity verification for shared data in group with user revocation	Lecture Notes in Electrical Engineering, Springer, pages:41-49, 2019	-	10.1007/978-981-10-8663-2_5
3.	Raja Lavanya Nisha Angeline C.V.	Fog Computing and its Role in the IoT	IGI Global, pages:63-71, 2019	Scopus indexed	10.4018/978-1-5225-7149-0.ch003
4.	Manikandakumar M. Ramanujam E.	Security and Privacy Challenges in Big Data Environment	Handbook of Research on Network Forensics and Analysis Techniques	IGI Global, pages:315-325,2018	10.4018/978-1-5225-4100-4.ch017
5.	Santhiya C. Indira K.	Identification of Profile-Injection Attacks in Recommendation System	Lecture Notes on Data Engineering and Communications Technologies, Springer, Cham, volume-26,pages: 1442-1448,December 2018	-	10.1007/978-3-030-03146-6_169
6.	Muthuramalingam S. Nisha Angeline C. V. Raja Lavanya	Lightweight Secure Architectural Framework for Internet of Things	Countering Cyber Attacks and Preserving the Integrity and Availability of Critical Systems, IGI Global, pages: 157-168, 2019	-	10.4018/978-1-5225-8241-0.ch008