


## FACULTY PROFILE

<b>Name of Teaching Staff / RMK ID</b>	Dr.D.PAULRAJ / T1082			
<b>Designation</b>	Professor			
<b>Department</b>	Computer Science and Engineering			
<b>Date of Joining the Institution</b>	15-07-2022			
<b>Qualifications</b>	B.E	M.E	Ph.D	
<b>Total Experience</b>	Overall : 31		in RMK : 10	
<b>Papers Published in Journal</b>	Overall : 35		After Joining RMK : 3	
<b>List of Papers Published</b>	<ol style="list-style-type: none"> <li>1. <b>D.Paulraj</b>, S.Swamynathan, M.Madhaiyan "Process Model Ontology-Based Matchmaking of Semantic Web Services" International Journal Of Cooperative Information Systems,.Vol. 20 No. 4, Pp.357-370, 2011 (World Scientific); <a href="https://doi.org/10.1142/S0218843011002262">https://doi.org/10.1142/S0218843011002262</a>(IF 0.563)</li> <li>2. <b>D.Paulraj</b>, S. Swamynathan, M. Madhaiyan, "Process Model-Based Atomic Service Discovery and Composition Of Composite Semantic Web Services Using Web Ontology Language For Service (Owl-S)", International Journal Of Enterprise Information Systems, Vol. 6, No. 4, Pp.445-471, 2012 (Taylor &amp; Francis); <a href="https://doi.org/10.1080/17517575.2011.654265">https://doi.org/10.1080/17517575.2011.654265</a> (IF 1.94)</li> <li>3. <b>D.Paulraj</b>, Swamynathan, S., Daniel Chandran, Balasubadra, K And Vigilson Prem, M.,"Service Composition And Execution Plan Generation of Composite Semantic Web Services Using Abductive Event Calculus", Computational Intelligence An International Journal", Vol.31, Issue. 4, 2015, (Wiley Blackwell) (IF 3.02)</li> <li>4. L. Maria Michael Visuwasam, <b>D.Paulraj</b> and J. Indra Mercy,"Knowledge Discovery And Privacy And Its Issues In Big Data: A Survey", International Journal Of Applied Engineering Research (IJAER), pp.124-128, Vol. 10, 2015 (IF 0.175)</li> <li>5. S Neelakandan, <b>D Paulraj</b>, M Dineshkumar, "Decentralized Access Control Of Data In Cloud Services Using Key Policy Attribute Based Encryption" International Journal for Scientific Research &amp; Development, Vol. 3, Issue 02, 2015 (IF : 4.396)</li> <li>6. A.K. Reshmy, <b>D.Paulraj</b>,"Data Mining of Unstructured</li> </ol>			

	<p>Big Data In Cloud Computing” International Journal of Business Intelligence and Data Mining, Vol.13 Issue 1-3 2017 (Inderscience) (IF : 0.61)</p> <ol style="list-style-type: none"> <li>7. L. Maria Michael Visuwasam, <b>D.Paulraj</b>, “NMA: Integrating Big Data Into A Novel Mobile Application Using Knowledge Extraction for Big Data Analytics Cluster Computing: The Journal Of Networks, Software Tools And Applications,22 (1),2018 (Springer) (IF : 2.252)</li> <li>8. Hariharan B., <b>D.Paulraj</b>, ”A Hybrid Framework For Job Scheduling On Cloud Using Firefly And Bat Algorithm International Journal of Business Intelligence And Data Mining, Vol.15 No.4, 2019 (Inderscience) (IF : 0.61)</li> <li>9. B. Hariharan and <b>D.Paulraj</b>, “Wbat Job Scheduler: A Multi-Objective Approach For Job Scheduling Problem On Cloud Computing” Journal Of Circuits, Systems And Computers, 29(6), 2018 (World Scientific) (IF : 0.61)</li> <li>10. A.M.Serma Kani, <b>D.Paulraj</b>,”Dynamic Consolidation of Virtual Machine: A Survey Of Challenges For Resource Optimization In Cloud Computing Recent Patents On Computer Science, 13 (3), 2020, (Bentham Science) (IF : 0.138)</li> <li>11. S. Ancy, and <b>D.Paulraj</b>, “Online Learning Model For Handling Different Concept Drifts Using Diverse Ensemble Classifiers,” cybernetics and Systems”, Vol.50 Issue 7, 2019 (Taylor And Francis) (IF : 2.423)</li> <li>12. L. Maria Michael Visuwasam, <b>D.Paulraj</b>, "A Distributed Intelligent Mobile Application For Analyzing Travel Big Data Analytics". Journal Of Peer To Peer Networking And Applications, 2019 (Springer) (IF : 3.60)</li> <li>13. N R Rejin Paul, <b>D.Paulraj</b>."Verification Of Data Integrity And Co-Operative Loss Recovery For Secure Data Storage In Cloud Computing" Journal Of Cogent Engineering", 6:1, Doi: 10.1080/23311916.2019.1654694, 2019 (Taylor And Francis) (IF:1.689)</li> <li>14. A.M.Serma Kani, <b>D.Paulraj</b>,"Federated Cloud Storage Management Through Provable Data Possession Using Dynamic Audit Protocol",International Journal Of Recent Technology And Engineering (Ijrte), Vol.8(2), 2019 (IF:0.107)</li> <li>15. B. Praveen Kumar, <b>D.Paulraj</b>, ”An Efficient Algorithm For Mining Frequent Itemsets In Large Databases Applied Mathematics &amp; Information Sciences An International Journal, Vol 13 (6),Pp 913-921, 2019 (IF :1.166)</li> <li>16. L. Maria Michael Visuwasam, <b>D.Paulraj</b>, ”Contemporary Analysis Of Tourist Intelligent Systems, International Journal Of Advanced Science And Technology Vol.28 No.2, 2019, Pp.115-133 (IF:0.88)</li> <li>17. S Neelakandan, <b>D Paulraj</b>, (2019) “An automated exploring and learning model for data prediction using balanced CA-SVM” Journal of Ambient Intelligence and</li> </ol>
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	<p>Humanized Computing (Springer) 12 (5), 4979-4990, DOI: 10.1007/s12652-020-01937-9 (IF:3.718)</p> <p>18. S. Ancy, and <b>D.Paulraj</b> Handling Imbalanced Data With Concept Drift By Applying Dynamic Sampling And Ensemble Classification Model, Computer Communications, 153, Pp 553-560 2020 (Elsevier) (IF:2.293)</p> <p>19. A.M.Serma Kani, <b>D.Paulraj</b>, "Effective Data Storage And Dynamic Data Auditing Scheme For Providing Distributed Services In Federated Cloud" Journal Of Circuits, Systems, And Computers (World Scientific) ,<a href="https://doi.org/10.1142/S021812662050259x">https://doi.org/10.1142/S021812662050259x</a>, 2020 (World Scientific) (IF:1.333)</p> <p>20. S.Neelakandan, <b>D.Paulraj (2020)</b> "An automated learning model of conventional neural network based sentiment analysis on Twitter data, Journal of Computational and Theoretical Nanoscience 17 (5), 2230-2236 (American Scientific Publishers) . DOI: 10.1166/jctn.2020.8876 (IF:0.457)</p> <p>21. B. Praveen Kumar <b>D.Paulraj (2021)</b>, "Frequent Mining Analysis Using Pattern Mining Utility Incremental Algorithm Based On Relational Query Process" Journal Of Ambient Intelligence And Humanized Computing, 2020, (Springer) (IF:3.718)</p> <p>22. S Neelakandan, <b>D Paulraj, (2020)</b> "A gradient boosted decision tree-based sentiment classification of twitter data", International Journal of Wavelets, Multiresolution and Information Processing, (World Scientific) Vol. 18, No. 4 (2020), DOI: 10.1142/S0219691320500277.(IF:0.463)</p> <p>23. K.Balachander, <b>D.Paulraj</b>, "Bilingual Matching Algorithm For Data De-Duplication In E-Governance Large Scale Heterogeneous Datasets", Journal Of Critical Reviews, 7(4), 2020 (IF:1.091)</p> <p>24. D. S. Praveen, <b>D.Paulraj</b>, "Smart Traffic Management System In Metropolitan Cities", Journal Of Ambient Intelligence and Humanized Computing,<a href="https://doi.org/10.1007/S12652-020-02453-6">https://doi.org/10.1007/S12652-020-02453-6</a>, 2021, (Springer) (IF:3.718)</p> <p>25. K.Balachander, <b>D.Paulraj</b>, "ANN and fuzzy based household energy consumption prediction with high accuracy" Journal of Ambient Intelligence and Humanized Computing (2021) (Springer) (IF:3.718)</p> <p>26. Devi, K , <b>Paulraj, D</b> &amp; Muthusenthil, B, Deep Learning Based Security Model for Cloud based Task Scheduling,"KSII Transactions on Internet and Information", Vol.14, Issue 9,pp 3663-3679, Sept.2020 (IF:0.315)</p> <p>27. L Maria Michael Visuwasam, D Paulraj, G Gayathri, K Divya," Intelligent Personal Digital Assistants and Smart Destination Platform (SDP) for Globetrotter" Journal of</p>
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	<p>Computational and Theoretical Nanoscience 17 (5), 2254-2260 (IF:0.457)</p> <p>28. K.Devi, <b>D.Paulraj</b>, "Multi-level Fault tolerance Aware Scheduling Technique in a cloud environment", Journal of Internet Technology, Vol.22, Issue 1, pp 109-119, Jan ,2021(IF:1.45)</p> <p>29. K. Balachander, <b>D.Paulraj</b>, "Building Energy Time Series Data Mining for Behavior Analytics and Forecasting Energy consumption", KSII Transactions on Internet and Information Systems, May 2021 (IF:0.858)</p> <p>30. N R Rejin Paul, <b>D.Paulraj</b> (2021). Enhanced Trust Based Access Control for Multi-Cloud Environment. Computers, Materials &amp; Continua. (IF 3.772) 69. 3079-3093. 10.32604/cmc.2021.018993.</p> <p>31. Neelakandan S, <b>D. Paulraj</b>, P. Ezhumalai &amp; M. Prakash, "A Deep Learning Modified Neural Network(DLMNN) based proficient sentiment analysis technique on Twitter data", Journal of Experimental &amp; Theoretical Artificial Intelligence, DOI:10.1080/0952813X.2022.2093405 (2022) (IF:2.111)</p> <p>32. L. Maria Michael Visuwasam and D. Paul Raj (2022), "Spatio Temporal Tourism Tracking System Based on Adaptive Convolutional Neural Network", Computer Systems Science &amp; Engineering, vol.45, no.3, DOI: 10.32604/csse.2023.024742</p> <p>33. Paulraj D, Sethukarasi T, Neelakandan S, Prakash M, Baburaj E (2023) An Efficient Hybrid Job Scheduling Optimization (EHJSO) approach to enhance resource search using Cuckoo and Grey Wolf Job Optimization for cloud environment. PLoS ONE 18(3): e0282600. <a href="https://doi.org/10.1371/journal.pone.0282600">https://doi.org/10.1371/journal.pone.0282600</a></p> <p>34. Praveen D S. Paulraj D, "Generative Adversarial Networks (GAN) and HDFS-Based Realtime Traffic Forecasting System Using CCTV Surveillance." Symmetry 2023, 15, 779. <a href="https://doi.org/10.3390/sym15040779">https://doi.org/10.3390/sym15040779</a></p> <p>35. Paulraj, D., Neelakandan, S., Prakash, M. et al. Admission control policy and key agreement based on anonymous identity in cloud computing. J Cloud Comp 12, 71 (2023). <a href="https://doi.org/10.1186/s13677-023-00446-2">https://doi.org/10.1186/s13677-023-00446-2</a></p>	
<b>Papers Presented in Conferences</b> (Scopus / WoS indexed only)	Overall : 19	After Joining RMK : 3
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided : 8	Student Projects Guided : 38
<b>Books Published :</b>	Count : 1	

	List : Book Chapter	
	1. Ganesh Kumar R. SrilathaToomula, <b>D.Paulraj</b> , Jebin Bose S.Thulasi Bikku D.Sivabalaselvamani, " <b>Wearable Telemedicine Technology for the Healthcare Industry</b> ", Chapter 10 - IoT and wearables for detection of COVID-19 diagnosis using fusion-based feature extraction with multikernel extreme learning machine, , Pg: 137-152, ISBN: 978-0-323-85854-0, <b>ScienceDirect</b> .	
<b>Patents</b>	Published Count : 1	Granted Count : --
	List : 1. SAFE ROUTE IDENTIFICATION ON EMERGENCY EVACUATION BASED ON ANT-COLONY OPTIMIZATION THROUGH ARTIFICIAL INTELLIGENCE AND IOT (Appl.No. 202041048243)	
<b>Professional Memberships</b>	Count : 2	
	List : ISTE, IEEE	
<b>Consultancy Projects Completed</b>	Count : 3	
<b>Awards Received</b>	Count : 3	
	List : 2017 "National Level Award for Review Coordinator, National level selection procedure Dr.Kalam Educational Trust. 2012 Men Engineers Award, IET, Chennai Network. 2012 Er.D.A.Rajan Promotional Award, IET, Chennai Network	
<b>Research grants Received</b>	--	
<b>Orchid Link / ID</b>	ID : 0000-0002-8853-9945	
<b>Google Scholar Link / ID</b>	ID : tu4T6jUAAAAJ	
<b>Vidwan Link / ID</b>	ID : 305377	
<b>Research Gate Link / ID</b>	LINK: <a href="https://www.researchgate.net/profile/Paulraj-Dassan">https://www.researchgate.net/profile/Paulraj-Dassan</a>	
<b>Scopus Link / ID</b>	ID : 25928587900	