


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr.S.SELVI / T0184		
Designation	PROFESSOR		
Department	COMPUTER SCIENCE AND ENGINEERING		
Date of Joining the Institution	15.11.2001		
Qualifications	B.E.	M.E.	Ph.D.,
Total Experience	Overall : 27 Years	in RMK : 23 Years	
Papers Published in Journal	Overall : 24	After Joining RMK :24	
List of Papers Published	<ol style="list-style-type: none"> 1. Ben Sujitha, Mohamed M. Hassan, A. Ahilan, R. Ram Sanjay, S.Selvi & Bajarang Prasad, ID-KOS Method: Image Defogging via Kookaburra Optimized Stationary Wavelet Decomposition Method IETE Journal of Research, 2025. 2. I Abirami, S Selvi, R Lalitha , A High-Speed Compression and Secure Authentication Framework for Data Sharing Cloud-Enabled Big Data Environments, 2025 International Conference on Multi-Agent Systems for Collaborative, ISBN:979-8-3315-0982-8, 2025. 3. Selvi, S., Rele, M., Vaithianathan, M., Blockchain based solutions for privacy-preserving authentication and authorization in networks, Julian, A., Mary, G.I., , Journal of Discrete Mathematical Sciences and Cryptography, 2024, 27(2), pp. 797–808,2024. 4. R Lalitha, S Selvi, S Gayathri, V Selvalakshmi, T Mangaiyarkarasi, Text to voice conversion of text embedded in images, <i>Proceedings of ICWITE 2024: IEEE International Conference for Women in Innovation, Technology and Entrepreneurship</i>, 2024, pp.148–154 ,2024. 5. R Ramyadevi, A Anbuselvan, A Julian, S Selvi, MSM Dhar, Invoice Processing Automation Using UI Path Studio,, <i>International Conference on Computing, Power, and Communication Technologies, IC2PCT 2024</i>, 2024, pp. 486–489,2024. 6. A Julian, C Maheswar, R Ramyadevi, MSM Dhar, S Selvi Analysis and Estimation of Discounts on Product Prices in E-Commerce Sites, 2024 IEEE International Conference on Computing, Power and Communication ,2024. 7. S.Selvi, A. Thilagavathy, P. Shobarani, Anitha Julian, M. Lakshmi Haritha & P.R.Therasa, Text classification using similarity measure and fuzzy function concept analysis, Artificial Intelligence, Block chain, Computing and Security – ISBN: 978-1- 032-67841-2 ,2024. 8. Anitha Julian, S. Selvi, Shyam Sundhar Kumaravel, Sabari jeyanth Veerasekaran & Sumanth Sai Sajja Assistive analytics for coronavirus-trends, patterns and predictions, International Conference on Computing, Power, and Communication Technologies, IC2PCT 2024, 2024, pp. 759–762,2023. 9. S Selvi, A Thilagavathy, DN Raju, AS Jahnavi, An Advanced Auditory Response for Object Detection Using Deep Learning, 2023 2nd International Conference on Edge Computing and Applications (ICECAA) pp.843-847 - IEEE Xplore, 2023. 10. Selvi K, Anitha C S Lung cancer prediction model using machine learning 		

techniques,, International Journal of Health Sciences 6 (S2), 306-314,2023.

11. **S.Selvi** ,A.Sangeetha, S.Anitha Rajathi, Josephin Shermila.P, ,IoT-Smart Surgical System Treatment to Augment Safety For Hospital Management, International Journal of Early Childhood Special Education, ISSN: 1308-5581 Vol 14, Issue 05 2022.
12. **K.Selvi**, Anitha C S, Lung cancer prediction model using machine learning techniques, , International Journal of Health Sciences, 6 (S2), 306-314,2022.
13. Ram Charan Tej D, Chandrasekar V, Janakiraman S, **Selvi S**, Detection And Prevention Of Packet Injection Attack In Cloud Environment, xindian Journal 12 (3), 12, 2022.
14. **S.Selvi**, Ala Vyshnavi, Dosapati Kalyani Authorized Request Access for Automatic Privacy-Aware Decisions With Minimum Interactions, Turkish Online Journal of Qualitative Inquiry (Scopus) 12 (4), 2286-2294, 2021.
15. **S. Selvi**, V. Bala Nivetha, R. Divya, S. Gayathri ,Change Point Detection Technique for Weather Forecasting Using Bi-LSTM and 1D-CNN Algorithm, **Springer Journal-Next Generation of Internet of Things** 201, 109-119, 2021.
16. Sumitha T, Charulatha S, **Selvi S**, Prediction Of Early Symptoms For Chronic Kidney Disease By Ensembled Classifiers, Turkish Online Journal Of Qualitative Inquiry 12 (4), 2321-2335, 2021.
17. A..Gnanasekar, **S. Selvi**, A.S.U. Soundharyaa, A. Malini ,A,Dynamic Data-Driven segregation Approach in Image Restoration Using Neural Networks, Innovation Technology and Management Journal 11 (2), 843-849 , 2021.
18. **S Selvi**, P Kalaivani Machine Learning Approach to analyse Ensemble Models and Neural Network Model for E-Commerce Application, Indian Journal of Science and Technology 13 (28), 2849-2857,2020.
19. **K Selvi**, P Shobarani, ML Aishwarya, M Rajkumar Term Categorization Using Latent Semantic Analysis for Intelligent Query Processing, International Journal of Innovative Technology and Exploring Engineering, 2019.
20. A.Thilagavathy, T.Ramesh, **S.Selvi**, P Kavitha, Smart Precision Agriculture using LORA and WeIO Interface, International Journal of Recent Technology and Engineering (IJRTE) 8 (3), 2019.
21. **S.Selvi**, Vignesh Baalaji Shankar, Sreehari. P. B, Thilak Praveen ,A Machine Learning Model To Predict Network Attacks Based On Incoming Packet Features,. A, Journal of Emerging Technologies and Innovative Research 6 (3), 165- 175, 2019.
22. **S Selvi**, Rekha G , Rihana R, Roshini V, Predicting Hospital Admissions using Logistic Regression and Random Forest Technique, International Journal for Scientific Research & Development 7 (01), 998 – 1007,2019.
23. **S Selvi**, A Murali, Document Clustering Using Latent Semantic Analysis Categorisation of Term Pairs,Journal of Computer Science. ISSN 1549-3636 4 (2), 167-171, 2019.
24. 14 G N Prithy, **S Selvi**, Machine Learning Approach for Question Answering in Information Retrieval, International Journal of Scientific Research in Computer Science , ISSN: 2456-3307, 1549-1556, 2018.
25. **K Selvi** R. Preethi, Hybrid Intelligent Similarity Measure for Effective Text Document Clustering Using Neural Network Algorithm, International Journal of Scientific Research in Computer Science SSN:2456-3307,Vol.2, Issue 3, pp.833-839, 2017.
26. **K. Selvi**, R.M. Suresh, Fuzzy Concept Lattice for Ontology Learning and Concept Classification”, Indian Journal of Science and Technology ISSN: 0974-6846 , e-ISSN: 0974-5645 9 (28), 1-7, 2016.

	<p>27. K Selvi, RM Suresh, Strategies for effective document clustering using modified neural network algorithm, Journal of Computational and Theoretical Nano science ISSN: 1546-1955 : EISSN: 1546-1963, 13 (7), pp.4169-4176, 2016.</p> <p>28. Selvi. K, Suresh.R.M, Probabilistic Match Similarity Measure For Document Clustering, International Journal on Information Sciences and Computing, .ISSN - 0973-9092 Vol.9 No.2 July, 2015.</p> <p>29. K. Selvi, R.M .Suresh, Document Clustering Using Modified Neural Network Algorithms And Similarity Measure, International Student Technical Journal 1 (2), 1-7, 2014.</p> <p>30. K Selvi, R M Suresh, An Efficient Technique to Implement Similarity Measures in Text Document Clustering using Artificial Neural Networks Algorithm, Research Journal of Applied Sciences, Engineering and Technology 8 (23) 2014.</p> <p>31. K Selvi, RM Suresh, Document Clustering Using Artificial Neural Networks, National Journal on Advances in Computing & Management 5 (1), 1-5, 2014.</p> <p>32. S.Selvi, S Murugan, Similarity Measure using Fuzzy Formal Concept for any context, International Journal of Advanced Computer Science 3 (12), 607-613,2013.</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 8	After Joining RMK : 8
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided : 45
Books Published	Count : Nil	
	List : Nil	
Patents	Published Count : 6	Granted Count : Nil
	1. Title of Invention : Novel Method of M-Iot Based Blood Glucose Sensing Non-Invasive Technique Publication Date : 29/11/2019 Publication Number : 48/2019 Application Number : 201941047523	
	2. Title of Invention : Iris Based and Finger Print Based Voting System Via Iot Monitoring Publication Date : 07/05/2021 Publication Number : 19/2021 Application Number : 202141019604	
	3. Title of Invention : Covid Protocol Management System Publication Date : 02/02/2022 Publication Number : 31/2022 Application Number : 202241019809	
	4. Title of Invention : Role of AI and Block chains in Making Various Segments of Financial Sector Automated and Decentralized Publication Date : 23/06/2023 Publication Number : 25/2023 Application Number : 202341033397	
	5. Title of Invention : An Iot Based Systems for Pulmonary Artery Pressure And Cardiac Synchronization Monitoring	

	Publication Date : 18/08/2023 Publication Number : 33/2023 Application Number : 202341036399 6.Title of Invention : A System by Using Neural Networks for 3D Surface Structure Estimation based on Real-World data for Autonomous Systems and Applications Publication Date : 29/03/2024 Publication Number : 21/2024 Application Number :202441023030
Professional Memberships	Count : 7
	1. Indian Society for Technical Education(ISTE)- LM28180 2. Computer Society of India(CSI) 3. Indian Society of Systems for Science and Engineering (ISSE) – LM06573 4.International Computer Science and Engineering Society ICSES) 5.International Association of Engineers(IAENG) 6. International Association of Computer Science and Information Technology (IACSIT) 7.International Association of Academic Plus Corporate (IAAPC)- Life Member , FRTJOC-CE003024
Consultancy Projects Completed	Count : 5
Awards Received	Count : 6
	1. Best Teacher award for the subject, “EmbeddedSystems & Microprocessors” (2000) by Vellore Engineering College. 2. Distinguished Facilitator award, (2017) by Infosys. 3. Best Teaching Faculty award (2017) by Abdul kalam awards 4. Global Teacher Award (2021) by AKS Education awards. 5. Teaching Excellence award (2023) by International Institute of Organized Research.
Orcid Link / ID	https://orcid.org/my-orcid?orcid=0000-0003-1214-3853
Google Scholar Link / ID	https://scholar.google.com/citations?hl=en&user=w556QOMAAAAJ&view_op=list_works&sortby=pubdate
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/myprofile
Research Gate Link / ID	https://www.webofscience.com/wos/author/record/AAE-7338-2019
Scopus Link / ID	https://www.scopus.com/authid/detail.uri?authorId=57191517648
Web of science/Clarivate	https://www.webofscience.com/wos/op/publications/import-publications