


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. Praveena N		
Designation	Associate Professor (Gr. II)		
Department	Computer Science & Design		
Date of Joining the Institution	02.07.2025		
Qualifications	B.Tech.. (Computer Science & Engineering)	M.Tech. (Information Security)	Ph.D. Computer Science & Engineering
Total Experience	Overall : 12years		In RMK :
Papers Published in Journal	Overall : 19		After Joining RMK : NIL
List of Papers Published	<ol style="list-style-type: none"> 1. E. S. Phalguna Krishna, N. Praveena, I. Manju, N. Malathi, Rakesh Kumar Giri, M. Preetha, IoT-Enabled Wireless Sensor Networks and Geospatial Technology for Urban Infrastructure Management, Journal of Electrical Systems 20-4s (2024): 2248-2256, https://doi.org/10.52783/jes.2395 2. N.Praveena, Kapil Juneja, Mamoon Rashid, Alaa Omran Almagrabi, Kaushik Sekaran, Rajakumar Ramalingam, Muhammad Usman “Hybrid Gated Recurrent Unit and Convolutional Neural Network -based deep learning mechanism for efficient Shilling attack detection in social networks”, “Computers and Electrical Engineering” https://doi.org/10.1016/j.compeleceng.2023.108673 3. Praveena.N and Vivekanandan.K “Hybrid CNN and RNN based Shilling attack framework in Social Recommender Networks”, <i>EAI Endorsed Transactions on Scalable Information System</i>, doi:10.4108/eai.2-11-2021.171754 4. Vivekanandan, K., and N. Praveena “Hybrid Convolutional Neural network (CNN) and long-short term memory (LSTM) based deep learning model for detecting shilling attack in the social-aware network”, “<i>Journal of Ambient Intelligence and Humanized Computing</i>” (2020), ISSN:1868-5137, https://doi.org/10.1007/s12652-020-02164-y 5. A. Amuthan, N. Praveena and R. Kaviarasan, “Securing RSA Algorithm against Timing Attack”, “<i>The Arab Journal of Information Technology</i>”, ISSN: 2309-4524, 2016 6. “An efficient Method for improving quality of service using TCP/IP Incast Congestion Model”, “<i>International Journal of</i> 		

Advance Research in Computer Science and Management Studies" ISSN: 2321-7782, Vol 3, Issue 6, June 2015.

7. Praveena.N, "A survey on Food supply chain management using Block Chain" in *5th International Conference on Pervasive Computing and Social Networking ICPCSN 2025*, 14th – 16th May 2025 - Paper accepted for Publication
8. Praveena N, Y. Mohan Kumar, P. Purushotham, "A review on enhancing donor engagement through block chain-based charity systems" –in *3rd International Conference on Inventive Computing and Informatics (ICICI)* - Paper accepted for Publication
9. Ramesh, P. S., Narang, S., Praveena, N., Shakila, J., & Sudha, I. (2024, November) "Impact of Random Forest and XGBoost Algorithms on Improving Patient Outcomes Compared to Standard Decision-Making Methods in Healthcare Predictive Analytics" in *2024 International Conference on Cybernation and Computation (CYBERCOM)* (pp. 694-699). IEEE.
10. Dr. Praveena.N, P.Charitha, S.Hemalatha, B.Bhavya, "Visual cryptography method for designing a secure QR payment system" *International Conference on Computer Communication & Informatics (ICCCI-2023)*, Jan 23-25, 2023 IEEE.
11. Dr. Praveena.N, Harsha, Sai Rupesh, Sunil, Rupesh, Yeshwanth "A Generic Algorithm for controlling Eyeball based cursor system" at the International Conference on Automation, Computing and Renewable Systems (ICACRS-2022), Dec 13-15, 2022 ISBN: 978-1-6654-6083-5, IEEE.
12. Praveena.N and Vivekanandan. K., "A Study on Shilling Attack Identification in SAN using Collaborative Filtering Method based Recommender Systems" *2021 International Conference on Computer Communication and Informatics (ICCCI)*, Jan 27- 29, 2021 ISSN: 2329-7190, IEEE.
13. Praveena. N and Vivekanandan. K., "A Review on Deep Neural Network Design and their applications" *2021 7th International Conference on Advanced Computing & Communication Systems (ICACCS - 2021)*, March 19-20, 2021 IEEE.
14. Praveena. N and Vivekanandan. K., "A Survey on Detection Approaches of Shilling Attacks in SAN" *5th International Conference on Computing Methodologies and Communication (ICCMC 2021)*, ISBN: 978-0-7381-1203-9 IEEE.
15. Santosh Kumar, Praveena Narayanan, and D. Loganathan "A Machine Learning Model for Automated Classification of Sleep Stages using Polysomnography Signals." *In 2021 International Conference on Innovative Computing and Communication (ICICC)*, 2021.
16. Santosh Kumar, D. Loganathan, Praveena Narayanan, and S. Sharathkumar "Automated Sleep Staging Analysis using Sleep EEG signal: A Machine Learning based Model." *2021 International Conference on Advance Computing and*

	<p><i>Innovative Technologies in Engineering (ICACITE)</i>. 2021, IEEE.</p> <p>17. Santosh Kumar, D.Loganathan, Praveena Narayanan, and S.Sharathkumar. "Convolutional neural network for classification of multiple sleep stages from dual- channel EEG signals." In <i>2020 IEEE 4th Conference on Information & Communication Technology (CICT)</i>, pp. 1-16. 2020, IEE</p> <p>18. Presented a paper entitled "Survey on Side Channel Attack" awarded as the best paper at NCORRN-13 organized by Dept. of CSE, PEC.</p> <p>19. Presented a paper entitled "Automatic Intrusion Response with Prediction System using Ontology" at NCOFT'13 organized by Dept. of IT, MEC.</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 13	After Joining RMK : NIL
Ph.Ds / Projects Guided	Ph.D's Guided : NIL	Student Projects Guided :20
Books Published :	Count: NIL	
Patents	Published Count :2	Granted Count :1
	<p>1. Cryptographic hash encryption secure algorithm of onidental data by user validating scheme for the medical health care by Dr. N. Praveena in Intellectual Property of India under Engineering & Technology, filed on: 26-09-2022 and got published on 07-10-2022.</p> <p>2. Evaluation of Packet traffic abnormally beacon analysis for ICMP ping flood identification of attack by Dr. N. Praveena in Intellectual Property of India under Engineering & Technology, filed on: 26-10-2023 and got published on 03-11-2023.</p> <p>3. Smart Barrier for Reserved Parking by Dr. B. Adithya, Mrs. E. Swapna, Dr. N. Praveena and Dr. G. Balamurugan Filed on 14.02.2023 and got Published on 02.02.2024</p>	
Professional Memberships	Count : 02	
	<p>1. Lifetime member of The Indian Society of Technical Education (ISTE) – LM 141224</p> <p>2. A member of "International Association of Engineers (IAENG)"</p> <p>3. A member of "Internet Society of Computing (ISOC)"</p> <p>4. A member of "International Computer Science & Engineering Society (ICSSES)"</p>	
Consultancy Projects Completed	Count :NIL	

Awards Received	Count : 01
	<ol style="list-style-type: none"> 1. Received 100 percent result cash award 2. Best paper award in conference
Orchid Link / ID	https://orcid.org/0000-0001-5790-9344
Google Scholar Link / ID	https://scholar.google.com/citations?user=fCiMVcMAAAAJ&hl=en&oi=sra
Vidwan Link / ID	272783
Research Gate Link / ID	Researcher ID JCD-9061-2023
Scopus Link / ID	57217055258