



Jain College of Engineering & Research, Belagavi

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Programmes Accredited by NBA: ECE &ME

Articles in book chapter/ Book

S.No	Name of the Faculty	Branch	Title of the Chapter	Title of the Book	Volume No / Issue No	DOI / online ISSN number	Count
1	Dr. R.R.Maggavi	ECE	Evaluation of Correlation-Based Data Aggregation Approaches in Sensor Networks: Effectiveness and Challenges	Research Updates in Mathematics and Computer Science Vol. 4	4	10.9734/bpi/rumcs/v4/20057d	1
2	Dr. Veeresh H		Evaluation of Correlation-Based Data Aggregation Approaches in Sensor Networks: Effectiveness and Challenges	Research Updates in Mathematics and Computer Science Vol. 4	4	10.9734/bpi/rumcs/v4/20057d	
3	Dr. Virupaxi D		Evaluation of Correlation-Based Data Aggregation Approaches in Sensor Networks: Effectiveness and Challenges	Research Updates in Mathematics and Computer Science Vol. 4	4	10.9734/bpi/rumcs/v4/20057d	
		ECE	Hybridization of	Modeling and Optimization of Signals Using Machine	---	https://onlinelibrary.wiley.com/doi/book/10.1002	3





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International conference proceedings

S.No	Branch	Name of the Faculty	Title of the Paper	Proceedings	Venue	Publisher / DOI	Indexing(Scopus/etc)	Journal quartile	Count
1	ECE	Dr. Virupaxi Dalal	Comprehensive IoT-Based Vehicle Security: License Verification and Biometric Authentication	2025 6th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI),	--	10.1109/ICMCSI646 20.2025.10883395			5
			Deep Learning Integration for Indoor Navigation and Aerial Tracking Via Siamese Architectures and Multi-Scale Feature Fusion	2025 IEEE International Conference on Intelligent Signal Processing and Effective Communication Technologies (INSPECT)	Gwalior	10.1109/INSPECT67 393.2025.11350754			
			AeroGrain:Advanced Hot-Air Preservation with	2025 IEEE North Karnataka Subsection Flagship	Hubballi	<u>10.1109/NKCon669</u> <u>57.2025.11345800</u>			



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			Real-Time Moisture Sensing	International Conference (NKCon)					
			Machine Learning-Based Animal Detection and Frequency Transmission System to Prevent Railway Collisions	2025 IEEE International Conference on Advances in Computing Research On Science Engineering and Technology (ACROSET)	Indore	<u>10.1109/ACROSET66531.2025.11281149</u>			
			Implementation of Smart Parking Access Control and Visitor Authentication using Raspberry Pi 4 And Machine Learning	2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM)	Kanyakumari	<u>10.1109/ICTMIM65579.2025.10988296</u>			
2	ECE	Dr. Raghavendra Maggavi	Secure Communication in WSN-Based VANETs Using	2025 Global Conference on Information Technology and	Gogte Institute of technology, Belagavi	10.1109/GITCON65266.2025.11377083	Scopus Indexed		1



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			IoT and Elliptic Curve Cryptography	Communication Networks (GITCON)					
Total									6

Publication Details

S.No	Branch	Name of the Faculty	Title of the paper	Journal, Volume and Issue No	DOI / ONLINE ISSN NUMBER	Indexing(Scopus/etc)	Journal quartile	Count
1	ECE	Dr. Veeesh M. Hiremath	Energy efficient routing protocol for enhancing the network lifetime in wireless sensor network	Indonesian Journal of Electrical Engineering and Computer Science, Vol. 35, No. 2, August 2024	http://doi.org/10.11591/ijeecs.v35.i2.pp944-957	Scopus Indexed	Q3	5
			AI-based Model for Improving the Network Lifetime of Wireless Sensor Networks (WSNs)	International Journal of Satellite-Based Communication and Wireless Networks System, Vol. 1, Issue 1 (January – June, 2025)	https://doi.org/10.46610/IJSBCWNS.2025.v01i01.004	Scopus Indexed		



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			Fuzzy Logic-Based Model for Reducing End-to-End Delay and Enhancing Packet Delivery Ratio in Wireless Sensor Networks	International Journal of Satellite-Based Communication and Wireless Networks System, Vol. 1, Issue 2 (July – December, 2025)	https://doi.org/10.46610/IJSBCWNS.2025.v01i02.002	Scopus Indexed		
			Throughput Optimization in Wireless Sensor Networks: Techniques, Challenges, and Future Directions	International Journal of Digital Technology and Network Security System, Vol. 1, Issue 2 (July – December, 2025)	https://doi.org/10.46610/IJDTNSS.2025.v01i02.001	Scopus Indexed		
			Borwell Emergency Child Rescue System: A Life Saving Innovation	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, Volume 11 Issue 10				
2	ECE	Narayana Reddy D	Wildlife Protection on railway Track	International Journal For Applied Research in Science and Engineering	P-ISSN 2319-8346 E-ISSN 2319-8354			1

3	ECE	Dr. Virupaxi Dalal	Adaptive channel equalization for digital communication with tunicate swarm algorithm	IETE Journal of Research (Taylor & Francis)	https://doi.org/10.1080/03772063.2024.2358154	Scopus Indexed	Q1	2
			Melanoma classification using ensemble deep transfer learning	International Journal of Artificial Intelligence	http://doi.org/10.11591/ijai.v14.i6.pp4943-4956	Scopus Indexed	Q2	
4	ECE	Dr. Soumya Gadag	Melanoma classification using ensemble deep transfer learning	International Journal of Artificial Intelligence	http://doi.org/10.11591/ijai.v14.i6.pp4943-4956	Scopus Indexed	Q2	1
			Synthesis and Characterization of Silver Nanoparticles for Photocatalytic Application	Hybrid Advances, Elsevier Publications, Volume 10, September 2025, 100417	https://doi.org/10.1016/j.hybadv.2025.100417	Scopus	Q3	
Total								9



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Summary

S.No	Details	Count	Scopus Indexed Count	Journal quartile Count	Total Count
1	Patent	1			1
2	Publications	9	7	Q1-1 Q2-2 Q3-1	9
3	International Conference Proceedings	7	1	-	7
4	Articles in Book chapter / Book	4			4
5	Research Grant				Nil