From AY: 2024-25 to till date

Patent Details

S.No	Name of the Faculty	Branch	Title of invention	Patent Type (Product/Design/Copyright)	Application No	Status(Registered/published/Granted)	Year	Count
1	Anand G	CSE (AIML)	AN UPRIGHT POSTURE CORRECTING WEARABLE DEVICE	Product	202541026667	Granted	2025	1
2	Dr. Prakash Sonwalkar	CSE (AIML)	ROBOMEDWASTECARE – Smart Hospital Waste Management System	Product	202421031522	Published	2024	1
						Total		**2**

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. Prakash Sonwalkar	CSE (AIML)	--	Next-generation Wireless Sensor Networks: Innovation in Data Quality, Data Aggregation and MAC Protocols	BP International Book Chapter, 2024	DOI: 10.9734/bpi/mono/978-93-48006-44-8 ISBN: 978-93-48006-44-8	2
			AI for Product Life	---	CRC Press – Taylor &	Scopus Indexed	

			Cycle Assessment (LCA)		Francis Group (Book Chapter, Accepted 2024)		
2	Dr. Anand Gudnavar		---	Next-generation Wireless Sensor Networks: Innovation in Data Quality, Data Aggregation and MAC Protocols	BP International Book Chapter, 2024	DOI: 10.9734/bpi/mono/978-93-48006-44-8 ISBN: 978-93-48006-44-8	1
			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	
						Total	**3**

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	CSE(AIML)	Dr. Prakash Sonwalkar	Enhanced Three-Layered CNN for Multiclass Skin Lesions Classification	International Conference on Data Science & Exploration in Artificial Intelligence (CODE-AI-2024), July 2024	Bangalore	Conference Proceedings	—		7
			Smart Vision for Silent Voices: A Review of Sign Language Recognition Technologies	IEEE 6th International Conference on Emerging Technologies (INCET 2025), May 2025	Belagavi	Scopus Indexed	—		
			Breaking the Scam Cycle: AI's Role in Fraudulent Call Detection	IEEE INCET 2025	Belagavi	Scopus Indexed	—		

			Centralized Smart Service Hub	IEEE INCET 2025	Belagavi	Scopus Indexed	—		
			Beyond Passwords: The Essence and Impact of Multi-Factor Authentication in Cybersecurity	IEEE INCET 2025	Belagavi	Scopus Indexed	—		
			Natural Language Processing (NLP) for Healthcare Records	Global Conference on Information Technology and Communication Networks (GITCON 2025)	Belagavi	Scopus Indexed	—		
			Edge AI-Driven Battery Management for Electric Vehicles: Models, Hardware, and Future Directions	GITCON 2025	Belagavi	Scopus Indexed	—		
			Bank Form	International	KLESCET,	10.1109/incsst64791.	Scopus Indexed		

			Automation Using AI-Powered Speech Recognition and Transliteration in Kannada	Conference on Smart & Sustainable Technology (INCSST)	Chikodi	2025.11210295		
			Service Aware QoS Based Multi-Criteria Cloud Service Provider Recommender System for Cloud Self-Service Provisioning	International Conference on Smart & Sustainable Technology (INCSST)	KLESCET, Chikodi	10.1109/incsst64791.2025.11210349	Scopus Indexed	
2	CSE(AIML)	Dr. Anand Gudnavar	Secure Communication in WSN-Based VANETs Using IoT and Elliptic Curve Cryptography	2025 Global Conference on Information Technology and Communication Networks (GITCON)	Gogte Institute of technology, Belagavi	10.1109/GITCON65266.2025.11377083	Scopus Indexed	
			A Comparative Analysis of CNN and YOLOv8 for	6th International Conference for Emerging	JCE, Belagavi	10.1109/incet64471.2025.11140418	Scopus Indexed	

			Real-Time Traffic Sign Detection	Technology (INCET)					
			Efficient Smart Public Transit System Using RFID and IoT integration with MERN web applications	International Conference on Computer, Electrical & Communication Engineering (ICCECE)	Techno India University, Kolkata	10.1109/iccece61355 .2025.10940803	Scopus Indexed		
	4		Detection of Manipulated Multimedia In Digital Forensics Using Machine Learning	International Conference on Device Intelligence, Computing and Communication Technologies (DICCT)	GEU Hill University, Dehradun	10.1109/dicct61038. 2024.10533016	Scopus Indexed		4
3	CSE(AIML)	Shashikala Reddy D	Land Registration Management Using blockchain	International Conference on cloud computing Techniques	Dr. M.G.R. Educational And Research Institute, Chennai	Conference Proceedings	NCICT25 - ISBN 978-81-979985-1-5		1
								Total	**12**

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	CSE(AIML)	Dr. Prakash Sonwalkar	Real-Time ECG Compression with Adaptive Huffman Coding: Improving Data Transmission in E-Healthcare	Journal of Information Systems Engineering and Management (JISEM), 2025, Vol. 10 (37s)	e-ISSN: 2468-4376	Scopus Indexed	Q4	4
			Intelligent Cyber Security Model for Intrusion Detection using Federated Machine Learning	Journal of Information Systems Engineering and Management (JISEM), 2025, Vol. 10 (37s)	e-ISSN: 2468-4376	Scopus Indexed	Q4	
			Advanced Cybersecurity Framework for Intrusion Detection Utilizing Federated Machine Learning	Journal of Information Systems Engineering and Management (JISEM), 2025, Vol. 10 (37s)	e-ISSN: 2468-4376	Scopus Indexed	Q4	
			Spectral-Spatial	IJIES, 2025, ISSN:	ISSN: 2185-3118	Scopus Indexed	Q2	

			Feature Construction with Hybrid Classifier for Hyperspectral Object Classification	2185-3118				
2	CSE(AIML)	Sakshi Joshi	BizBoostH ub: An Integrated AI-Driven Platform for Business	Journal of AI Insights: Advances in Artificial Intelligence Volume 2, Issue 2, July-December, 2025	ISSN: 3049-3145			2
			Digital Assist to Indian Farming	Journal of Sensor and Cloud Computing Vol. 2, Issue 3 (September – December, 2025)	e-ISSN: 3048-9199			
3	CSE(AIML)	Dr. Anand Gudnavar	Cyber Threat Detection and Analysis Using Dual-Layered Approach	Journal of Computer Information Systems	10.1080/08874417.202 5.2553156	Scopus Indexed	Q1	3
			SWrenOA: SpiderWren Optimization Algorithm with Multi-objectives for Agent-based Aggregation of	International Journal of Intelligent Engineering and Systems	10.22266/ijies2025.123 1.30	Scopus Indexed	Q2	

			Title	Journal	DOI	Indexing	Quartile	
			Cloud Web Service Selection					
			Energy efficient routing protocol for enhancing the network lifetime in wireless sensor network	Indonesian Journal of Electrical Engineering and Computer Science	10.11591/ijeecs.v35.i2.pp944-957	Scopus Indexed	Q3	
			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**

Summary

S.No	Details	Count	Scopus Indexed Count	Journal quartile Count	Total Count
1	Patent	2			2
2	Publications	9	7	Q1-1 Q2-2 Q3-1 Q4-3	9
3	International Conference Proceedings	15	7	-	15
4	Articles in Book chapter / Book	Book-1 Chapter-2			3
5	Research Grant				Nil