|| न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ||

Dr. Vitthalrao Vikhe Patil Foundation's

Dr. Vithalrao Vikhe Patil
College of Engineering Ahmednagar

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Estt.1983

Department of Electronics & Telecommunication

Faculty publications
A.Y:2024-25

Sr. No.	Name	Title of Publications/Conference/Journal	Title of Paper	Month & Year	Volume, issue & Page No	ISSN/ISBN	DOI	Citation	Remark
1.	Dr.A.K.Patil	Scientific International Publishing House (SIPH)	Book-Analog and Digital	2024	--	978-93-6132-875-6			
		International Book-Science and Technology-Recent Updates and Future Prospects	AI-Driven Wildfire Suppression System Leveraging IoT and Drone Technology	2024	Volume-8	978-81-976653-2-5	Hhttps://doi.org/10.9734/struf p/v8/1167		
2	Prof A.R. Landge	National conference on Innovative Engineering and Technologies(NCIECT)-2025	Air Pollution Monitoring System: An Overview	24/04/25 - 26/04/25	---				
3	Prof. J.P. Botkar	3rd International Conference on Futuristic Technologies(INCOFT-2025)	Fractional Hybrid Election based optimization with DRN for Brain thoughts to text conversion using EEG	21/02/25-22/02/25	--	--	--	--	
4.	Prof. R.J.Lawande	International Journal of Intelligent Systems and Applications in Engineering	Scalable Blockchain for 5G Enabled Networks	04/ 2024		ISSN:2147-6799			

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A.Y:2023-24

Sr. No.	Name	Title of Publications/Conference/Journal	Title of Paper	Month & Year	Volume, issue & Page No	ISSN/ISBN	DOI	Citation	Remark
1.	Dr. A. K Patil	Scientific International Publishing House (SIPH)	Book-Analog and Digital	2024	--	978-93-6132-875-6			
		International Book-Science and Technology-Recent Updates and Future Prospects	AI-Driven Wildfire Suppression System Leveraging IoT and Drone Technology	2024	Volume-8	978-81-976653-2-5	Hhttps://doi.org/10.9734/struf p/v8/1167		
		Int.J. Systems, Control and Communication	Design and experimental evaluation of global sliding mode controller	2023	Volume 14 Issue 1				
2.	Dr.S.R Udawant	International Journal of Intelligent Systems and Applications in Engineering	Remove Unwanted Region of Interest for Biomedical Images Using AMF by Improving the CR&PSNR	2023	Vol-9 Issue-4	ISSN(O)-2395-4396			
		Notion Press	"Image Compression &Enhancement"	11/2023		ISSN/ISBN 000-00051439-6			
3	Prof. J.P. Botkar	Annual IETE Convention (AIC -2023)	Decoding Inner Discourse: A Comprehensive investigation of Imagined Speech-to text Conversion as a brain – Computer Interface Application	09/2023	--	--	--	--	

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4.	Prof. R.J.Lawande	International Journal of Intelligent Systems and Applications in Engineering	Scalable Blockchain for 5G Enabled Networks	06/2024		ISSN:2147-6799			
5.	Prof P.S Kharade	Journal of Research in Image Processing and Signal Processing	Multimodal Biometrics and Its fusion Techniques	04/2024	Volume 9 Issue 1	2457-0176(online)	-----	--

A.Y:2022-23

Sr. No.	Name	Title of Conference/Journal	Title of Paper	Month & Year	Volume, issue & Page No	ISSN/ISBN	DOI	Citation	Remark
1.	Dr.A.K.Patil	IJSCC	Design and experiment evaluation of global sliding mode controller	2023	Vol. 14, No.1 ,2023 Pg. 40-59	1755-9340	https://doi.org/10.1504/IJSCC.2023.127483	--	**SCI**
2.	Dr.A.K.Patil	GIS Science Journal	Recent Advancements in Deep Learning	2022	Vol.9 Issue:11 Pg:618	1869-9391	---	--	Scopus
3.	Dr.A.K.Patil	GIS Science Journal	A Review Paper on Artificial Intelligence & Machine Learning	2022	Vol.9 Issue:12, Pg:1144	1869-9391	---	--	Scopus
4.	Dr.Satywati S. Magar	IJARIIE	Improved Hybrid Algorithm for Image Compression	09/2022	Vol-8 ,3	2395-4396	16.0415/IJARIIE-18326	--	
5.	Prof.S.R.Udawant	Industrial Engineering Journal	Bit Shifting Encryption Method for secure data Transmission using M-ary Modulator & Demodulator in Biomedical Image Transmission and Reception	12/2022	Vol-15,11	0970-2555	---	--	

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6.	Prof.S.R.Udawant	NeuroQuantalogy	Adjusted Chaotic Sequences in the SLM-OFDM System Outperform the Similar PTS-OFDM System in terms of PAPR Performance for Hospital Data (Brain Images)	Nov 2022	Vol-20,17	1303-5150	10.14704/Nq.2022.20.17.NQ88087			Scopus
7.	Prof.S.R.Udawant	LAMBERT Academic Publishing	CMOS LNA using 130nm Process	Nov 2022	--	9786-205519646	---		--	
8.	Prof.S.R.Udawant	Notion Press	Digital Communication & Information Theory -A Perfect Laboratory Solution	Dec 2022	--	9798-888834350	---		--	
9.	Prof.S.R.Udawant	IJARIIE	Image Compression Techniques using Lossless & lossy Techniques	Aug 2022	Vol-8 ,3	2395-4396	16.0415/IJARIIE-17530		--	
10.	Prof.S.R.Udawant	IJARIIE	An attempt for digital Image Processing using Shifting Techniques	June 2022	Vol-8,1	2395-4396	16.0415/IJARIIE-17531		--	
11.	Prof.A.U. Vikhe	Notion Press	Digital Communication & Information Theory -A Perfect Laboratory Solution	Dec 2022	--	9798-888834350	---		--	
12.	Prof.A.U. Vikhe	NeuroQuantalogy	Analysis of Risk Proposed by information system for Global Energy Interconnection for Network Information	Nov 2022	Vol-20,17	1303-5150	10.14704/Nq.2022.20.17.NQ880119		--	Scopus
13.	Prof.A.U. Vikhe	LAMBERT Academic Publishing	CMOS Technology	Nov 2022	--	9786-205520123	---		--	
14.	Prof.A.U. Vikhe	IJARIIE	Analysis of Risk Proposed by information system for Global Energy Interconnection	Aug 2022	Vol-8 ,3	2395-4396	16.0415/IJARIIE-17527		--	UGC Care

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| 15. | Prof.A.U. Vikhe | IJARIIE | A Study on the Allocation of Network Resources using Mission-Critical Networking | June 2022 | Vol-8,1 | 2395-4396 | 16.0415/IJARIIE-16528 | -- | UGC Care |
| 16. | Prof.N.M.Deshpande | Computer Modeling in Engineering & Sciences | Explainable Artificial Intelligence–A New Step towards the Trust in Medical Diagnosis with AI Frameworks: A Review | June 2022 | Vol-133,No-3 ,2022 | ISSN:1526-1506(online) | DOI: 10.32604/cmes.2022.021225 | 1 | SCI |

A.Y:2021-22

Sr. No.	Name	Title of Conference/Journal	Title of Paper	Month & Year	Volume, issue & Page no.	ISSN/ISBN	DOI	Citation	Remark
1.	Dr.A.K.Patil	International Journal of Special Education	A Self Dependable Protocol for Faulty sensor Networks in WSN	01/ 2022	Vol.37, No.3	0827-3383		--	
2.	Dr.A.K.Patil	International Journal of Health Sciences	Prediction of symptoms and diseases using machine learning algorithm for health care recognition system	04/2022	6(S2)	2550-6978 E-ISSN 2550-696X		--	
3.	Dr.A.K.Patil	International Journal of Positive School Psychology on topic	Design and development of a robust Deep learning model for detection of disease cotton crop	03/2022	Vol. 6, No. 3	6227–6233		--	
4.	Prof.N.M.Deshpande	Mathematical Biosciences and	Improved Ostu and Kapur approach for	12/ 2021	Volume-19	ISSN 1970-2001	10.3934/mbe.2022093	14	SCI

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		Engineering	white blood cells segmentation based on LebTLBO optimization for the detection Leukemia		Issue-2				
5.	Prof.A.U.Vikhe	Azania Journal	A Review: Significant impact and Future Scope of Nanotechnology on communication systems.	09/2021	Volume 21, Issue 9	ISSN No: 1945-5534	10.2021/Azn/09/A	--	
6.	Prof.S.R.Udawant	Azania Journal	A Review: Significant impact and Future Scope of Nanotechnology on communication systems.	09/2021	Volume 21, Issue 9	ISSN No: 1945-5534	10.2021/Azn/09/A	--	
7.	Prof.A.U.Vikhe	International Journal For Innovative Research In Multidisciplinary Field	Rising FinFET Technology over current CMOS Technology in Analog Circuits	08/ 2021	Volume - 7, Issue - 8,	ISSN: 2455-0620	10.2015/IJIRMF.2455.0620/202108020	--	
8.	Prof.S.R.Udawant	International Journal For Innovative Research In Multidisciplinary Field	Image transmission and Reception using Carrier Wave Modulation	08/ 2021	Volume - 7, Issue - 8,	ISSN: 2455-0620	10.2015/IJIRMF.2455.0620/202108012	--	

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A.Y:2020-21

Sr. No.	Name	Title of Conference/Journal	Title of Paper	Month & Year	Volume, issue & Page no.	ISSN/ISBN	DOI	Citation	Remark
1.	Dr.A.K.Patil	International Journal of engineering Applied sciences and Technology	Review:Application of Big Data and Iot Protected mode in Agriculture	05/21	Vol.5,Issue 12	2455-2143		--	
2.	Dr.A.K.Patil	Book:LAMBERT Academic Publishing	Book: Fundamentals of Electronics and Electrical Circuits	04/2021	----	978-620-3950		--	
3.	Dr.A.K.Patil	Book:LAMBERT Academic Publishing	Book: Fundamentals of Antennas	05/2021	----	978-620-3-85581-4	http://doi.org/10.34256/ijcci2024	--	
4.	Dr.S.S. Magar	International Journal of Computer Communication and Informatics	Comparative analysis of Image Compression techniques for quasi Fractal lossless compression	10/2020	Vol. 2,pp.30-45	E-ISSN 2582-2713			
5.	Prof.N.M.Deshpande	Peer J Computer	A Review of microscopic analysis of blood cells for disease detection with AI perspective	04/2021	---	---	---		
6.	Prof.N.M.Deshpande	Library Philosophy &Practices	A Brief Bibliometric Survey of Explainable AI in Medical Field	02/2021	---	1522-0222			

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7.	Prof.N.M.Deshpande	Springer Book chapter	Microscopic analysis of blood cells for disease Detection:AReview	04/ 2021			10.7717/peerj-cs.460		
8.	Prof.S.R.Udawant	International Journal of Computer Communication and Informatics	Survey on different methods in image compression of brain Images	10/2020	Volume 2, pp.46-53	2582-2713	http://doi.org/10.34256/ijcci2025	--	
9.	Prof.S.R.Udawant	LAMBERT Academic Publishing	Field Programmable Gate array Based color Transformation	04/ 2021		978-620-3-84733-8		--	