



ARKA Educational & Cultural Trust (R)  
**JAIN INSTITUTE OF TECHNOLOGY, DAVANGERE**  
(A unit of Jain Group of Institutions, Bengaluru)



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**Research Publications**

Sl.No.	Year of publication	Name of Authors including Co-authors	Title	Journal, Vol, Issue, pp	Indexing (UGC-CARE /SCOPUS/WOS)	Enclosed document details
1	Yet to Publish (Accepted for publication in CRC-Taylor & Francis-WoS/Scopus)	Mrs. Kavitha K.J. Dr. Priestly B Shan	Fusion Based Morphological Watershed Segmentation Algorithm For Medical Images	International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021) Department of Computer Science, Banaras Hindu University, Varanasi, India December 17-18 2021	WOS/Scopus	-
2	24/08/2021	Mrs. Kavitha K.J. Dr. Priestly B Shan	Prime Based Encoding Algorithm to Ensure Integrity of Electronic Health Records	International Conference on Communication and Computational Technologies (ICCT 2021), Rajasthan Institute of Engineering and Technology,	WOS	

3	11/04/2021	B. R. Shivakumar and B. G. Nagaraja	Bayes' Classifier for Mapping Intermediate and Heterogeneous RS Imagery	Jaipur and Rajasthan Technical University Kota in Association with Soft Computing Research Society, February 27-28, 2021, PP: 957 - 980	Scopus
4	02/01/2021	Yadava G. Thimmaraja, B. G. Nagaraja, H. S. Jayanna	Speech enhancement and encoding by combining SS-VAD and LPC	Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded System, vol 752. Springer, Singapore	WOS/Scopus
5	2020	Spoorti J. Jainar, Pritam Limbaji Sale, B.G. Nagaraja	VAD, feature extraction and modelling techniques for speaker recognition: a review	International Journal of Signal and Imaging Systems Engineering Vol. 12, Issue:1/2, PP: 1-18	WOS/Scopus
6	05/09/2020	Mrs. Kavitha K.J. Dr. Priestly B Shan	A watermarking scheme using intellectual encoding-encryption based blind reversible integer wavelet-singular value decomposition transform for authenticity detection	Journal of Ambient Intelligence and Humanized Computing International Journal, Germany Vol: 2021, Issue:12, PP: 7715-7726	WOS/Scopus
7	2019	Mrs. Kavitha K.J. Dr. Priestly B Shan	Improved Alpha blending algorithm for the Authentication of Medical images using LWT & QR Code	International Journal of Imaging and Robotics, International Vol:19, Issue:03 PP: 26-34	UGC

8	22/03/2019	Mrs. Kavitha K.J. Dr. Priestly B Shan	An efficient medical image watermarking technique using integer wavelet transform and quick/fast response codes	IJISTA (INDERSCIENCE Publications) International Journal Switzerland Vol:18, Issue:03 PP: 271-280	Scopus (Elsevier)	
9	September 2018.	Mrs. Kavitha K.J. Dr. Priestly B Shan	E2-Invisible watermarking for protecting Intellectual rights of medical images and records	(JIACSA) International Journal of Advanced Computer Science and Applications, (SAI), International Journal United Kingdom Vol:19, Issue:10 PP:267-276	WOS/Scopus	
10	June, 2018	Mrs. Kavitha K.J. Dr. Priestly B Shan	Joint Digital Water Marking for Medical images for Improving Security	Biomedical & Pharmacology Journal International Journal India Vol:11, Issue:02 PP:863-870	Scopus	
11	August, 2018	Mrs. Kavitha K.J. Dr. Priestly B Shan	IS-BRW: Image Security using Blind Reverse Watermarking with Various Attacks	Indian Journal of Science and Technology, International Journal India Vol:11, Issue:32 PP: 1 - 12	WOS	
12	2017	Mrs. Kavitha K.J. Dr. Priestly B Shan	Implementation of DWM for medical images using IWT and QR code as a watermark	2017 Conference on Emerging Devices and Smart Systems (ICEDSS), Mallasamudram,, Tiruchengode, India, 3-4 March, 2017 PP:252-255	Scopus	



13	August 2016	Mrs. Kavitha K.J. Dr. Priestly B Shan	A Literature survey on Digital Watermarking on medical image	International Journal of Engineering Research and Management (An ISO 9001:2008 Certified Online Journal) Vol:03, Issue:08 PP: 18-21	Other	
14	June 2016	Mrs. Kavitha K.J. Dr. Priestly B Shan	An Introduction to the Digital Watermarking	International Journal of Advanced Engineering Research and Science (IJAERS) Vol:03, Issue:06 PP: 157-160	Other	
15	November 2015	Mrs. Kavitha K.J. Dr. Priestly B Shan	A Study on Digital watermarking on Medical Images	International Journal of Digital Image Processing Vol:07, Issue:09 PP: 1-5	Other	
16	2015	Mrs. Kavitha K.J. Dr. Priestly B Shan	Video watermarking using DCT and DWT, a comparison	European Journal of advances in Engineering and Technology (EJAET) Vol:02, Issue:06 PP: 83-87	Other	
17	December 2013	Mrs. Kavitha K.J. Mrs. Reshma M	Survey on digital water marking on medical images	International Journal Of Advanced Computer Research Vol:03, Issue:14 PP: 330-335.	Other	
18	2021	RavikumarkI, Sukumar R	Memristor-based deep learning Classification Model for Object Detection	International Conference on Technologies for smart Green connected Societies-		

19	2020	Ravikumar KI, Sukumar R	Recent Advancement in the Memristor Memory Development	International Journal of Innovative Technology and Exploring Engineering, Volume-9, Issue-7, PP: 98-107	Scopus	
20		Ravi Rayappa <sup>3</sup> , T. C. Manjunath <sup>1</sup> , Pavithra G.2, Rajasekhar Koyyeda	The Control Scheme of a Moving System Using Raspberry-pi with its Hardware Implementation	Journal of Control System and Control Instrumentation Volume-6, Issue-3 PP: 13-16		
21	2020	Ravi Rayappa, T. C. Manjunath	Fuzzy Logic Based Controller Design for a Typical Industrial Application Problem	Journal of Electronic Design Engineering Volume-6, Issue-3 PP: 16-19		
22	2020	Ravi Rayappa <sup>1</sup> , T. C. Manjunath	A Summary of the Harmonic Reduction in FACTS Based Systems	Journal of Telecommunication Study Volume-5, Issue-3 PP: 21-25		
23	2020	Ravi Rayappa <sup>1</sup> , T. C. Manjunath	Filter Design Using FPGA Concepts in the VLSI Domain for High-Speed Computing Applications	Journal of Embedded Systems and Processing Volume-5, Issue-3 PP: 25-30		
24	2020	Mr. Ravi Rayappa, Dr. T.C. Manjunath	Power Quality Improvement in Integrated Grid Connected using Active Power Filters – An Overview	International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems, ISSATE NOIDA INDIA PP: 1-4		
25	2020	Mr. Ravi Rayappa, Dr.	A summary of the harmonic	International		

		T.C. Manjunath	reduction in FACTS based systems	Conference (Online) (IC RTEETMP-2020), Volume-5, Issue-3 PP: 1-3		
26	2020	Mr. Ravi Rayappa, Dr. T.C. Manjunath	"Novel Filter Design for Improvement of Power Qualities in Switching Power Systems"	Book chapter Chapter No 20 / First Edition		-
27	2018	Mr. Ravi Rayappa	A Review on effects of Harmonics in Electrical and Electronic power systems	NCRTECC- 2016, J.I.T. Davangere	-	-
28		Mr. Ravi Rayappa	New type of swarm intelligence formulation in mobile vehicular agents	National Symposium on Instrumentation (NSI-38)		
29	2013	Mr. Ravi Rayappa, Dr T.C Manjunath	Inverse Kinematics equation formulation for 3-axis robots	National Symposium on Instrumentation (NSI-38)	-	-
30	2013	Mr. Ravi Rayappa , Kavitha K.J	Design of online interactive data acquisition and control system for embedded real time application	International Journal of Applied Science and Technology VOLUME 3, ISSUE 1		
31	2012	Mr. Ravi Rayappa	Planar articulated robotic arm design and development	National Conference Aug-24,25-2012 at Bhemanna Khandre Institute of technology Bidar- Bhalki		

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