

**KIT's College of Engineering (Autonomous), Kolhapur**  
**Department of Electronics & Telecommunication**  
**Faculty Publications**

**AY 2021-22**

<b>Name of faculty</b>	<b>Research Publication Title</b>	<b>Journal/Conference</b>
Dr.M.S.Chavan	Hybrid Model Optimization Algorithm for Effective Design of Digital Filter	The 7th International Conference on DigitalArt, Media and Technology(DAMT) Thailand
	Prediction of Alzheimer's Disease using Machine Learning Algorithm	The 7th International Conference on DigitalArt, Media and Technology(DAMT) Thailand
	Multidisciplinary Project -Based Learning in Industrial Automation	The 7th International Conference on DigitalArt, Media and Technology(DAMT) Thailand
Dr.Manasi Dixit	Person Identification in Group Photographs with Artificial Intelligence	International Journal of Creative Research Thoughts (IJCRET) An International Open Access, Peer-Reviewd, Refreed Journal , Volume 8 Issue 8 August 2021, ISSN 2320-2882
Dr. Mrs.S.R.Chougule	Review of MODBUS and Various Components with Its Application along with Security Study Against Attacks	International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE) Vol 8, Issue 6, June 2021 ISSN (Online) 2394-6849
	Implementation of AES method on Modbus Protocol using RS 485 standard to protect against Intruders	<a href="#">4 Th International Conference On Emerging Trends In Engineering &amp; Management -4th Ictem-2021 01 - August – 2021 Isbn-13: 979-8549153691 Iirm-Sdt, India <a href="https://www.iirmsdt.org/Copyright © 2021 by BLS DTE">https://www.iirmsdt.org/Copyright © 2021 by BLS DTE</a></a>
Dr.S.S.Nagtilak	Review of MODBUS and Various Components with Its Application along with Security Study Against Attacks	International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE)
Mrs.M.S.Shikalgar	National Conference on Energy and Mobility (NCEAM -21) presented a research paper entitled Review on Energy Harvesting with Photovoltaic Cell over Green IOT	National Conference on Energy and Mobility(NCEA-21)

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<b>Name of faculty</b>	<b>Research Publication Title</b>	<b>Journal/Conference</b>
Dr.M.S.Chavan	Recent trends in ICT enabled renewable energy systems	Information and /communication Technology for sustainable development springer conference paper
	A Novel Fault Tolerant Full Bridge DC/DC Converter for Photovoltaic application	ADBU Journal of Engineering Technology
	Power Switch Fault Signatures in a Full Bridge DC/DC Converter of PV System	Psychology and Education Journal
	Simulation paradigm to study circuit performance in presence of component level fault	Indian Journal of Science and Technology, 2020
	Role of Institutional Leadership and Faculty for Sustainable Development of Engineering Institutes through Project Based Learning:KIT a case study	CENTRAL Workshop(Virtual) to Coincide CGWOT'20 on 16th October 2020, University of Malaga, Spain
	Statistical Analysis of Information Dissemination using Moodle	CENTRAL Workshop(Virtual) to Coincide CGWOT'20 on 16th October 2020, University of Malaga, Spain
Dr.Manasi Dixit	Person Identification in Group Photographs with Artificial Intelligence: Survey	International Research Journal of Engineering and Technology (IRJET),e-ISSN: 2395-0056 Volume:8 Issue:3 March 2021
	Speech Recognition based English to Marathi Translator	International Journal of Research and Analytical Reviews (IJRAR),ISSN2349-5138 Volume 7 Issue 4,November 2020
	A Review on Real Time Application of Face Recognition System	International Journal of Creative Research Thoughts (IJCRT),ISSN2320-2882 Volume 8, Issue 11 November 2020
	Blood Cells Counting using Image Processing	International Journal for Research in Engineering Science and Technology (IJRASET),ISSN2321-9653 volume 8 Issue X Oct 2020

	Analysis of Area of a Lake using Image Processing (Paper)	International Journal for Research in Engineering Science and Technology (IJRASET),ISSN2321-9653 volume 8 Issue X Oct 2020
Dr. Mrs.S.R.Chougule	Implementing Modbus along on PIC32MX795F512H for Data monitoring and control of sensor nodes using RS 485	GIS SCIENCE JOURNAL ISSN NO : 1869-9391 VOLUME 8, ISSUE 2, 2021PAGE NO: 1740-1742 Jan.2021
	“A robust passive blind copy-move image forgery detection	International Journal of Information and Computer Security, 2021 Vol.14 No.3/4, pp.300 – 317 Published online: 21 Apr 2021 Copyright © 20XX Inderscience Enterprises Ltd. Int. J. Information and Computer Security, DOI: 10.1504/IJICS.2021.114707
	Detection Of Microaneurysm Symptom Of Diabetic Retinopathy Using Slant Stacking Algorithm And Artificial Intelligence	Design Engineering ISSN: 0011-9342   Year 2021 Issue: 6   Pages: 3978-3987
	Classification Of Diabetic Retinopathy Using Orthogonal Slant-Hadamart Tranforms With Ann	Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451   e-ISSN 2651-446X pp 24856 to 24861
	Reconfigurability of FIR Digital Filters banks using combined Transfer Function Approach for use in Digital Hearing aid devices	Wseas Transactions On Signal Processing 5114-703 , E-ISSN: 2224-3488 Volume 4, 2021
	Reconfigurable Transfer Function digital Filter design for Hearing Aid using IEC standard and PESQ scores.	Wseas Transactions On Signal Processing E-ISSN: 2224-3488 5114-704 Volume 4, 2021
	Predication and Analysis of Epileptic Seizure Neurological Disorder using Intracranial Electroencephalography (iEEG)	Wseas Transactions On Signal Processing DOI: 10.37394/232014.2020.16.22 E-ISSN: 2224-3488 Volume 16, 2020
	Classification and Severity Measurement of Epileptic Seizure using Intracranial Electroencephalogram (iEEG)	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-10, Issue-2, December 2020
	Security Design for Modbus protocol against intrusions during implementation on Industrial applications	Turkish Journal of Computer and Mathematics Education Vol.12 No.13(2021), 2379-2383 27 March 2021

Dr.S.S.Nagtilak	Implementing Modbus along on PIC32MX795F512H for Data monitoring and control of sensor nodes using RS 485	GIS SCIENCE JOURNAL
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**AY 2019-20**

<b>Name of faculty</b>	<b>Research Publication Title</b>	<b>Journal/Conference</b>
Dr.M.S.Chavan	Performance of particle Swarm Optimization for reducing system delay	International Journal of Scientific & Technology Research, IJSTR vol 8 issue 11, November 2019 Edition -ISSN 2277-8616
	Design Differential Evolution Algorithm that effect on order of filters	International Journal of Scientific & Technology Research, IJSTR vol 8 issue 11, November 2019 Edition -ISSN 2277-8616
	Research and Analysis on Floor Exposure due to Electromagnetic Radiation from Mobile Towers in Residential Areas of Kolhapur(paper)	International Symposium on 5G & Beyond for Rural Upliftment 2020
	Course Level PBL: An Excellent Teaching Method for Increasing Skill Levels and Learning Motivation in First Year of Engineering Students(paper)	Journal of Engineering Education Transformations
	Design of Digital filter by Genetic Algorithm	International Journal of Engineering & Advanced Technology (IJEAT) ISSN 2249-8958,vol 8 issue 6, August 2019
	Design of Digital filter by Differential Evolution	International Journal of Recent Technology & Engineering(IJRTE) ISSN2277-3878 vol 8 issue 2, July 2019
	Efficient Implementation of Complex Matrix Inversion for LMMSE Decoder	International Journal of Computer Applications (IJCA) ISSN 0975-8887 vol 178 no.20 PP12-17, June 2019

Dr.M.R.Dixit	Dixit “ A Comparative Study of IAFCM and SSFCM Segmentation Techniques for Analysis of M-FISH Chromosome Images”  “ATM Module for Blind people with Braille Keypad”	International Journal for Research in Engineering Science and Technology (IJRASET),ISSN2321-9653 IC value 45.98, Impact Factor 7.177,Volume 7 issue V1 June 2019 pp 934-938  Journal of Emerging Technology’s and Innovative Research (JETIR),ISSN2349-5162, Impact Factor 5.87,Volume 6 issue 6 June 2019 pp 933-948
Dr. Mrs.S.R.Chougule	Estimation of Level of Liver Damage Due to Cancer using Deep Convolutional Neural Network in CT images	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1, November 2019
	Study and Analysis of Audiogram Matching for Reconfigurable FIR Filter Bank Use in Hearing Aids	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 15, Number 8 (2020) pp. 864-872
	Study on Speech Quality Improvement of Processed Signal in Reconfigurable Digital Filter used in Digital Hearing Aid Device	Advances in Computational Sciences and Technology ISSN 0973-6107 Volume 13, Number 1 (2020) pp. 17-31
	A Passive Blind Forgery Detection Technique to Identify Frame Duplication Attack	Springer Publication,SCI-E and ISSN: 1573-7721 1380-7501 SCOPUS Indexed Vol. 79, pages 8107–8123 (2020)
	Analysis of Reduction in Mutual Coupling of 4 Port Microstrip Array Using Innovative Resonating Structures	International Journal of Advanced Science and Technology Vol. 29, No. 8, (2020), pp. 5389 - 5402 ISSN: 2005-4238 IJAST Copyright © 2020 SERSC
	Signal Processing Techniques Used in Digital Hearing-Aid Devices: A Review	The IUP Journal of Electrical & Electronics Engineering, Vol. XIII, No. 1, 2020 ISBN: 978-81-314-2793-4
	A Passive Blind Forgery Detection Technique to Identify Frame Duplication Attack"	International Journal Multimedia Tools and Applications. jan.2020. <b>Vol.79</b> , 8107–8123 (2020). <a href="https://doi.org/10.1007/s11042-019-08272-y">https://doi.org/10.1007/s11042-019-08272-y</a>
A Robust Region Duplication Detection Scheme for Digital Video	International Journal of Future Generation Communication and Networking Vol. 13, No. 4, (2020), pp. 3856 -3874 ISSN: 2233 - 7857 IJFGCN Copyright ©2020 SERSC	

Diagnosis and Classification of Epileptic Seizure a Neurological Disorder Using Electroencephalography	IEEE Xplore Digital Library ISBN: 978-1-7281-0283-2, Indexing: SCOPUS	
Dr. Amar L. Renke	Research and Analysis on Floor Exposure due to Electromagnetic Radiation from Mobile Towers in Residential Areas of Kolhapur	International Symposium on 5G & Beyond for Rural Upliftment 2020