VIMAL JYOTHI
ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERELA
Affiliated to APJ Abdul Kalam Technological University, Approved by AICTE
ISO 9001 : 2015 Certified | Accredited by Institution of Engineers (India), NBA, NAAC
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NAAC Cycle 2

Criterion: 3.3.2

Number of books and chapters in edited volumes/books published and papers published in
National/ International conference proceedings with links

Sl. No.	Title of the book/chapters published	Title of the paper	Link
		2022-23	
1		A Systematic Review on Recent Techniques for the Detection of Multiple Myeloma	https://ieeexplore.ieee.org/document/9917638
2		Carbon Capture, Utilization and Storage (CCUS) - The Energy source of the future	https://ieeexplore.ieee.org/abstract/document/9918005
3		Graphical User Interface for intelligent automotive with vehicle to vehicle communication and adaptive light controls using image processing and machine learning	https://ieeexplore.ieee.org/abstract/document/9917618
4		DATA DRIVEN MODELLING AND PREDICTION OF RAINFALL	https://ieeexplore.ieee.org/abstract/document/9917744
5		NETWORK-BASED CONTROL FOR NONLINEAR SYSTEM	https://ieeexplore.ieee.org/abstract/document/9917838
6		Pneumonia Detection in Chest X-ray using InceptionV3 and Multi-Class Classification	https://ieeexplore.ieee.org/abstract/document/9917698
7		UNet with Two-Fold Training for Effective Segmentation of Lung Section in Chest X-Ray	https://ieeexplore.ieee.org/abstract/document/9917585
8		Customer Evaluation And Profit Maximization Using Machine Learning for Offline Stores	https://ieeexplore.ieee.org/abstract/document/9917692
9		PEER TO PEER LENDING: RISK PREDICTION USING MACHINE LEARNING ON AN IMBALANCED DATASET	https://ieeexplore.ieee.org/abstract/document/9917708
10		PEER TRACKING AND COLLISION FREE NAVIGATION FOR VISUALLY IMPAIRED	https://ieeexplore.ieee.org/abstract/document/9917714

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11		A Review on Breast Imaging Modalities based on Technical Aspects	https://ieeexplore.ieee.org/abstract/document/9917854
12		SMS BASED REMOTE MOBILE PHONE DATA ACCESS SYSTEM	https://ieeexplore.ieee.org/abstract/document/9917880
13		A NOVEL FAKE NEWS DETECTION APPROACH USING MACHINE LEARNING	https://ieeexplore.ieee.org/abstract/document/9917829
14		An exploration on plant disease detection	https://ieeexplore.ieee.org/abstract/document/9917894
15		The Mediation Effect of Technology Anxiety and Barriers on Technology Exposure to Teachers' Technology Adoption	https://ieeexplore.ieee.org/abstract/document/9918006
16		A Comparative Analysis on Deep Learning Techniques for Skin Cancer Detection and Skin Lesion Segmentation	https://ieeexplore.ieee.org/abstract/document/9484873
17	A Text book on Constitution of India		
18		Fuzzy Based Hybrid Control Topology for Fuel Cell and Battery Powered EV	https://ieeexplore.ieee.org/abstract/document/9909199
19	COMPILER DESIGN		https://vjec.ac.in/research/publications
20	Basic Civil Engineering		https://vjec.ac.in/research/publications
21	MICROPROCESSORS & MICROCONTROLLERS		https://vjec.ac.in/research/publications
22	DC Machines & Transformers		https://vjec.ac.in/research/publications
23	A text book on informatics for Infrastructure Management		https://vjec.ac.in/research/publications
24	Geaph Theory		https://vjec.ac.in/research/publications
25		A Review of Drive Selection, Converters, and Control For Electric Vehicle	https://ieeexplore.ieee.org/abstract/document/10150166
26		Fuzzy-Based Control Strategy for Supercapacitor Assisted Battery Powered EV	https://ieeexplore.ieee.org/abstract/document/10164890
2021-22			

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NAAC Cycle 2

Criterion: 3.3.2

1	Weapon detection using ML for PPA		https://link.springer.com/chapter/10.1007/978-981-16-7330-6_61
2		Optimum Torque - Zero d-axis Current Control of Direct Driven PMSG Based Wind Energy Conversion System	https://ieeexplore.ieee.org/abstract/document/9339793
3		Review On Brain Tumor Malignancy Prediction By 3D Reconstruction	https://ieeexplore.ieee.org/abstract/document/9563299
4		Preliminary Prototype and Analysis of a Customized Handle for Winding Machine using Fused Filament Fabrication	https://preprint.prepare.org.in/index.php/iei/article/view/149
5	Text detection and script identification from images using CNN		https://ieeexplore.ieee.org/abstract/document/9587783
6	Computational system for medical image authentication using watermarking		https://link.springer.com/chapter/10.1007/978-3-030-90318-3_76
7	Brain tumor detection that uses CNN in MRI		https://ieeexplore.ieee.org/abstract/document/9544829
2020-21			
1	Lesion detection using segmented structure of retina", Chapter 14 -	Diabetes and Fundus OCT, Pp. 379-407, Elsevier 2020, ISBN: 978-0-1281-7440-1	https://www.sciencedirect.com/science/article/abs/pii/B9780128174401000140
2		Design and simulation of 3.5 GHz hybrid photonic antenna system for 5G applications	https://pubs.aip.org/aip/acp/article-abstract/2222/1/030021/946000/Design-and-simulation-of-3-5-GHz-hybrid-photonic
3		Hand anthropometric measurements of south Indian male population collected using tracer method and its correlation analysis with height and shirt size	https://doi.org/10.1504/IJRAPIDM.2020.107730
2019-20			
1	Advances in Computerized Analysis in Clinical and Medical Imaging	Computer Aided Detection of Breast Cancer on Mammograms: Extreme Machine Neural Network Approach	https://www.taylorfrancis.com/chapters/edit/10.1201/9780429446030-14/computer-aided-detection-breast-cancer-mammograms-jayesh-george-perumal-sankar
2		Learning and Reflection of Technology based Collaborative MOOC	https://ieeexplore.ieee.org/abstract/document/8590112

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		design and its Evaluation, Validation and Results	
3		Machine Learning Approach for 5G Hybrid Technologies	https://ieeexplore.ieee.org/abstract/document/9112519/
4		A New 2-Scroll Chaos Plant with Multistability and its Circuit Realization	https://ieeexplore.ieee.org/abstract/document/8993284
5		KY Based DC-DC Converter for Standalone Photovoltaic Water Pumping System Employing Four Switch BLDC Drive	https://ieeexplore.ieee.org/abstract/document/8719316
6	Digital Signal Processing		http://www.chesspublishers.com/book13.php
7	Environmental Sceince, GTU - 2019		
8		Melanoma Classification and Birthmark Mole Detection on Clinical Images	https://ieeexplore.ieee.org/abstract/document/8899509
9		Soft Computing Based MPPT Controller for Solar Powered Battery Charger Under Partial Shading Conditions	https://ieeexplore.ieee.org/abstract/document/8719314
2018-19			
1		A Review on Privacy Preserving Authentication in VANETs	https://ieeexplore.ieee.org/document/8574315
2		Extreme learning machine based classification for detecting micro-calcification in mammogram using multi scale features	https://ieeexplore.ieee.org/document/8821877
3		A Survey on LLC resonant converters with synchronous rectifier for EVs	https://ieeexplore.ieee.org/document/8574273
4		A SurveyOn Hybrid Energy Storage System For EV With Regenerative Braking	https://ieeexplore.ieee.org/document/8574283
5		KY Based DC-DC Converter for Standalone Photovoltaic Water Pumping System Employing Four Switch BLDC Drive	https://ieeexplore.ieee.org/document/8719316
6		Optimal Tuning of PID Controller for Switched	https://ieeexplore.ieee.org/document/8574234

		Reluctance Motor Speed Control Using Particle Swarm Optimization	
7		A Survey on Optimal Tuning of PID Controller for Buck-Boost Converter Using Cuckoo-Search Algorithm	https://ieeexplore.ieee.org/document/8574321
8		Soft Computing Based MPPT Controller for Solar Powered Battery Charger Under Partial Shading Conditions	https://ieeexplore.ieee.org/document/8719314
9		Wavelet Modulated Inverter for WECS using Permanent Magnet Synchronous Generator	https://ieeexplore.ieee.org/document/8707817
10		Multilayer Analysis for Prediction of Power Tracing on Uncertain Loads	https://ieeexplore.ieee.org/document/8540600
11		Data Acquisition And Control Of Multiple Stations Via HMI From A Single PC Using Labview And NI USB-6212,Technologies	https://ieeexplore.ieee.org/document/8574282
12		GA review paper on control of car like robot using MP-MPC	https://ieeexplore.ieee.org/document/8574327
13		Survey on control analysis of magnetic levitation system	https://ieeexplore.ieee.org/document/8574317
14		Survey on different control schemes for distillation columns	https://ieeexplore.ieee.org/document/8574247
15		Survey on different control schemes for a non-linear conical system	https://ieeexplore.ieee.org/document/8574267