

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF BIOMEDICAL ENGINEERING

FACULTY PUBLICATION DETAILS

BOOK PUBLICATIONS

ACADEMIC YEAR 2023-2024

Book Title	Chapter Name	Author Name	Page No.	Edition	Year of publishing	Publisher Name	ISBN No.	DOI. No.
Machine Learning	-	Sakamuri Srinivasa Rao, Dr.Vijay M, Dr. Anju Singh, Dr.J.Rajalakshmi	-	-	20/02/2024	GLOBAL AASAN RESEARCH	978-81-969450-8-4	-

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FACULTY CONFERENCE PUBLICATION DETAILS
ACADEMIC YEAR 2023-2024

S.No	NAME OF THE STAFF	TITLE OF THE PAPER	NAME OF THE CONFERENCE	VENUE	NATIONAL /INTERNATIONAL	MONTH YEAR	DOI/ISBN Number
1.	Ponni Bala.M, Mangai.S, Rajalakshmi J, Maheswari S	IoT-Based Automatic Harvested Crop Protection and Monitoring System from Rainfall and Animals	Advanced BioCompatible Materials and Device/Systems for Biomedical Applications	Sri Ramakrishna Engineering College	National	August, 2023	
2.	Dr. Rajalakshmi J	Surveillance System for Long-Range Detection Based on an Ambient Intelligent Roveron	International Conference on Engineering and Technology	Selvam College of Technology	International	September, 2023	
3.	Dr.Sudha S	Augmented Reality Based Smart Surgical Glass for Medical Surgery	International Conference on Computing, Communication and Networking Technologies	IIT-Delhi	International	July, 2023	10.1109/ICC-CNT56998.2023.10307077
4.	Dr.Sudha S	DASUIP:Driver Alerting System for Smart Safety Using Image Processing	International Conference on Computing, Communication and Networking Technologies	IIT-Delhi	International	July, 2023	10.1109/ICC-CNT56998.2023.10306597
5.	R Saravanakumar	Optimal Load Flow Analysis for Distributed Generation in Radial Distribution Systems using Modified Newton Raphson Method	International Conference on Self Sustainable Artificial Intelligence Systems	M.P.Nachimuthu M. Jaganathan Engineering College	International	October, 2023	https://ieeexplore.ieee.org/document/10331711
6.	M. Sharmila	Efficient Brain-Computer Interface for Attention Detection in Health Care Industry	International Conference on Self Sustainable Artificial Intelligence Systems	M.P.Nachimuthu M. Jaganathan Engineering College	International	October, 2023	10.1109/ICS-SAS57918.2023.10331655
7.	Maheswari S	Analysis of ectopic Pregnancy in	2 nd International Conference	Mount Zion College of	International	December,	

	Rajalakshmi J	first Trimester Fetal Ultrasound Image Using Machine Learning Techniques	on Automation ,Computing and Renewable Systems	Engineering and Technology		2023	
8.	P Georgia Chris Selwyna	Biosynthesis of Silver Nanoparticles from Regional Groundnut Plant Roots and Its Biomedical Applications	International Conference on Innovations in Life Sciences (ICILS'24)	SRM Institute of Science and Technology	International	February, 2024	
9.	P Georgia Chris Selwyna	Biogenic Synthesis of Pectin Based Nano microencapsulation and Study of its anti-microbial, anti-microbial, anti-cancer activity.	International Conference on Innovations in Life Sciences (ICILS'24)	SRM Institute of Science and Technology	International	February, 2024	
10.	Ponni Bala.M, Mangai.S, Rajalakshmi J, Maheswari S	IoT-based Intelligent Crop Protection and Surveillance System from Climatic Changes and Wild Animals	Second International Conference on Innovations in Robotics, Intelligent Automation and Control (ICIRIAC 2024)	Sri Krishna College of Engineering and Technology	International	February, 2024	Best Paper Award
11.	Indhumathi R	Low Cost Skin Sensory Hearing Assisted Device for Profoundly Deaf Individual	Eight International Conference on Engineering Technology and Science	Muthayammal College of Engineering	International	March, 2024	
12.	Dr.J.Rajalakshmi	Detection and Classification of Oral Potentially Malignant Disorders and Oral Health Monitoring	International Conference on Newer Engineering Concepts and Technology	K.Ramakrishna College of Technology	International	March, 2024	
13.	Dr.J.Rajalakshmi	Multifaceted Analysis of Mental and Physical Stress Through Data Transmission in an IoT-Based System	International Conference on Newer Engineering Concepts and Technology	K.Ramakrishna College of Technology	International	March, 2024	
14.	Dr. M. Ponni Bala	Computer Aided Diagnosis of Glaucoma Detection using Fundus Images	International Conference on Recent Trends in Computing and Communication Engineering (ICRTCCE-2024)	SIMATS Engineering	International	March, 2024	
15.	Dr.S.K.Manikandan	A Node MCU Enabled Comprehensive Remote	International Conference on Innovative Computing		International	March, 2024	10.1109/ICSES60034.

		Healthcare Evaluation System for Elder People Care and Support					2023.10465569
16.	S.Yamunadevi	Integrating Splint for Real-time Monitoring of Fracture Healing Process	8 th International Conference on Engineering Technology and Science	Muthayammal College of Engineering Technology and Science	International	March, 2024	
17.	S.Yamunadevi	Real Time User Control Rehabilitation Device for Hemiplegia Patient	Innovation in Scientific Computing and Optimization Techniques	Er.Perumal Manimekalai College of Engineering	National	April, 2024	
18.	Dr. M. Ponni Bala	An Intelligent and Secure System for Prenatal Health Management Using Wireless Sensors and Mobile Phone	First International Conference on Data Analytics and Intelligence Computing-2024	Velammal Institute of Technology	International	April, 2024	
19.	Dr.J.Rajalakshmi	Automatic Fall Detection Identification And Monitoring System For Elder People	Innovations In Communication And Electrical Drives	P.A.College of Engineering and Technology	National	April, 2024	
20.	R.Leelavathi	Automatic Fall Detection Identification And Monitoring System For Elder People	Innovations In Communication And Electrical Drives	P.A.College of Engineering and Technology	National	April, 2024	
21.	Dr.M.Ponnibala, S.Maheswari, S.Govindaraj	AI Based System To Detect Uterine Cancer Using Ultrasound Images	Knowledge Engineering and Communication Systems	SJC Institute Of Technology	International	April, 2024	
22.	Sharmila M	Cervical Cancer Detection Using Soft Computing Techniques	KAMARAJ International Conference on Recent Trends in Science, Engineering and Technology, 2024 (KIRSET'24)	Kamaraj College of Engineering and Technology	International	April, 2024	
23.	Radhika C	Boundary Confusion Alleviation and Multiscale Temporal Feature Extraction for VAG-Based Fine Grained Multi Grade Osteoarthritis Deterioration Monitoring	International Conference on Communication, Computing & Internet of Things	Sai Ram Engineering College	International	April, 2024	
24.	Radhika C	Detection of Human spine	International conference on	PAAVAI	International	April, 2024	

		posture using wearable monitoring system.	adaptive technologies for sustainable growth	ENGINEERING COLLEGE			
25.	Radhika C	Emotion Sensing Spectacles: A Raspberry PI-Powered Wearable for Autism Rehabilitation	12 th International Conference on Advanced Science and Engineering Research	Al-Ameen Engineering College	International	May, 2024	
26.	Dr.J.Rajalakshmi	IoT Based GPS Operated and Dual Axis Solar Tracking for Improved Energy Efficiency	12 th International Conference on Advanced Science and Engineering Research	Al-Ameen Engineering College	International	May, 2024	
27.	Rajaram K	Design of Vaccine Storage Monitoring and Management System using IOT and Blockchain Technology for Government Hospital	AICASETM 24 - 4th ACE International Conference on Applied Science, Engineering, Technology and Management	Alpha Engineering College, Chennai-124	International	April 2024	
28.	Rajaram K	Automated Multi Reservoir Intravenous Infusion System for IV Fluid in Hospitals	AICASETM 24 - 4th ACE International Conference on Applied Science, Engineering, Technology and Management	Alpha Engineering College, Chennai-124	International	April 2024	

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S.NO	NAME OF THE STAFF	TITLE OF THE PAPER	NAME OF THE JOURNAL	NATIONAL/INTERNATIONAL	MONTH YEAR	VOLUME & ISSUE No	ISSN NUMBER	DOI NUMBER	LISTED IN SCOPUS/ WEB OF SCIENCE/ UGC CARE/OTHERS	IMPACT FACTOR
1.	Dr.S.Mangai	A Novel Method for Selecting EEG Signals Using Emotion Recognition Values in the Context of Deep Learning	Journal of Environmental protection And ecology	International	November, 2023	Volume 24, Issue 6	1311-5065		SCOPUS	1.31
2.	Dr.S.Mangai	Passive Safety Devices for Heavy Vehicles to Prevent Human Accidents using Artificial Intelligence	International Journal of Vehicle Structures & Systems	International	December, 2023	Volume 15, Issue 7	0975-3060	https://doi.org/10.4273/ijvss.15.7.21	SCOPUS	0.226
3.	Dr.S.Mangai	Machine Learning for Respiratory Disease Diagnosis and Monitoring: A Survey of Recent Advances	International Journal of Creative Research Thoughts	International	March 2024	Volume 12 Issue 3	2320-2882			7.97
4.	Dr.S.Mangai	Quadrature Response Spectra Deep Neural Based Behavioral	Measurement Science Review	International	April 2024	Volume 24 Issue 2	1335-8871	10.2478/msr-	SCI Expanded	0.9

		Pattern Analytics for Epileptic Seizure Identification						2024-0009		
5.	Dr.N.Jeyashanthi	Novel Approach in Detecting Colon Cancer Using DCNN:A Systematic Study	International Journal of Current Research	International	March 2024	Volume 16 Issue 3	0975-833X	https://doi.org/10.24941/ijcr.46630.03.2024		8.132
6.	Dr.P.Ravikumar	Non-Voice Human Sound Disease Detection System Using Modified Deep Learning	International Journal of Creative Research Thoughts	International	March 2024	Volume 12 Issue 3	2320-2882			7.97
7.	Dr.M.Ponni Bala	Intracardiac Mass Detection and Classification Using Double Convolutional Neural Network Classifier	Journal of Engineering Research	International	June,2023	Volume 11, Issue 2A	2307-1877	https://doi.org/10.36909/jer.12237	SCI	1.325
8.	Dr.J.Rajalakshmi	Online Physio Therapy System Using the IoT and Human Gaits Analysis	International Journal of Research and Analytical Reviews	International	September , 2023	Volume 10, Issue 3	2348-1269	http://www.ijrar.org/IJRAR23C3497.pdf	UGC CARE LIST	7.17
9.	Dr.J.Rajalakshmi	Assessment of urban heat island using remote sensing and geospatial application: A case study in Sao Paulo city, Brazil, South America	Journal of South American Earth Sciences	International	February 2024	Volume 134	0895-9811	https://doi.org/10.1016/j.jsames.2023.104763	SCI	1.8
10.	S.Maheswari	An Investigation of Single-core and Multi-Core	Journal of Advanced Zoology	International	August, 2023	Volume 24, Issue S-7	0253-7214	https://doi.org/10.53555/jaz.v44i		0.104

		Computing Methods for Biosignal Processing						S7.3376		
11.	Ms. R. Indhumathi	Low Cost Skin Sensory Hearing Assisted Device for Profoundly Deaf Individual	International Journal of New Innovations in Engineering and Technology	International	March 2024	Volume 24 Issue 1	2319-6319	https://www.ijniet.org/wp-content/uploads/2024/04/110.pdf		4.012
12.	D. Sasi Preetha	Python-Powered Hybrid Visual Cryptography for Secure Cloud Transmission in the Banking Sector	International Journal for Multidisciplinary Research	International	March-April2024	Volume 6 Issue 2	2582-2160	https://doi.org/10.36948/ijfmr.2024.v06i02.17852		9.24
13.	Yamunadevi S	Integrating Splint for Real-Time Monitoring of Fracture Healing Process	International Journal of New Innovations in Engineering and Technology	International	March 2024	Volume 24 Issue 1	2319-6319	https://www.ijniet.org/wp-content/uploads/2024/04/121.pdf		4.012
14.	R.Leelavathi	Automatic Fall Detection Identification and Monitoring System For Elder People	International Journal of Electrical and Computer System Design	International	April 2024	Volume 5 Issue 2	2582-8134	https://ijecsd.com/index.php/archive/2-pages/130-issue-14		0.592

15.	S.Govindaraj	IoT Enabled Real Time Low Cost Cardiac Monitor using LabVIEW	International Journal of Innovative Research in Advanced Engineering	International	April 2024	Volume 11 Issue 4	2349-2163	https://doi.org/10.26562/ijirae.2024.v11i04.43		1.68
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