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Via 5th APSP Battalion, Jonnada (V), Denkada (M), NH-3, Vizianagaram Dist - 535005, A.P. Website : www.lendi.org

Ph : 08922-241111, 241666, Cell No : 9490344747, 9490304747, e-mail : lendi_2008@yahoo.com

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RESEARCH PUBLICATIONS FOR THE ACADEMIC YEAR: 2023-24

S. No	Title	Journal	Authors	ISSN / ISBN No.	Volume & page no	Month & Year	DOI	Whether peer reviewed. Impact factor, if any	Indexed by SCIE/SCOPUS/UGC
1	K-Net-Deep joint segmentation with Taylor driving training optimization based deep learning for brain tumor classification using MRI	The Imaging Science Journal, Taylor & Francis	Dr V. Prasad			2023	https://doi.org/10.1080/13682199.2023.2208963 https://www.tandfonline.com/doi/full/10.1080/13682199.2023.2208963#:~:text=In%20this%20research%2C%20an%20effective%20brain%20tumour%20segmentation,Learning%20%28DL%29%20based%20on%20Magnetic%20Resonance%20Imaging%20%28MRI%29		SCIE/Scopus/UGC Approved
2	Autism spectrum disorder detection using brain MRI image enabled deep learning	Signal, Image and Video Processing, Springer	Dr V. Prasad			2023	https://doi.org/10.1007/s11760-023-02630-y		SCIE/Scopus/

	with hybrid sewing training optimization						https://link.springer.com/article/10.1007/s11760-023-02630-y		UGC Approved
3	DTDO: Driving Training Development Optimization enabled deep learning approach for brain tumour classification using MRI	Network: Computation in Neural Systems	Dr V. Prasad			2023	https://pubmed.ncbi.nlm.nih.gov/38801074/ DOI: 10.1080/0954898X.2024.2351159.		Web of Science/ SCIE/ Scopus/ UGC Approved
4	Artificial gannet optimization enabled deep convolutional neural network for autism spectrum disorders classification using MRI image	Multimedia Tools and Applications	Dr V. Prasad	ISSN :0954-898X		2023	https://doi.org/10.1038/s41598-024-82299-6 https://ouci.dntb.gov.ua/en/works/4vWQve1l/		Web of Science/ SCIE/ Scopus/ UGC Approved
5	A Reliable Routing Mechanism With Energy-Efficient Node Selection For Data Transmission Using A Genetic Algorithm In Wireless Sensor Network	Electronics and Energetics	Mr. G. Sateesh	ISSN: 0353-3670		2023	doi.org/10.2298/FUEE2302209G https://casopisi.junis.ni.ac.rs/index.php/FUElectEnerg/article/view/11059		SCI
6	Design of Circularly Polarized Wideband Dielectric Resonator Antenna for Millimeter Wave Applications	Design of Circularly Polarized Wideband Dielectric Resonator Antenna	Mr.S.Bosu Babu	ISSDN: 266299 5X, 266189 07		2023	DOI: 10.1007/s42979-023-02025-3 https://link.springer.com/article/10.1007/s42979-023-02025-3		SCI and Scopus

7	Analysis of fuzzy and neural controllers in direct torque controlled synchronous motors” Published	Indonesian Journal of Electrical Engineering and Computer Science	Dr. M. Satyanarayana	ISSN NO:2502 -4752		2023	https://www.academia.edu/119974378/Analysis_of_fuzzy_and_neural_controllers_in_direct_torque_controlled_syn_chronous_motors		Scopus
8	Cryptographic image-based data security strategies in wireless sensor networks ISSN: 0972-0529	Journal of Discrete Mathematical Sciences and Cryptography (JDMSC)	Mr. D. Satish	45383		2023	https://tarupublications.com/doi/10.47974/JDMSC-1883		TARU
9	Ai-Powered Chest Disease Detection And Classification Using Deep Learning	International Journal of Scientific Research in Engineering and Management 2024	R. Rajender	ISSN: 2582-3930		2023	DOI: 10.55041/IJSREM28745 https://ijsrem.com/download/ai-powered-chest-disease-detection-and-classification-using-deep-learning/		IJSREM
10	Malware Detection Using Random Forest Algorithm”, International Journal of Scientific Research	Engineering and Management,	Dr. R. Rajender	ISSN: 2582-3930		2024	https://ijsrem.com/download/malware-detection-using-random-forest-algorithm/		IJSREM
11	Dynamic Key Generation for Secure Information Transformation using Encoding	International Journal for Research Trends and Innovation	Mrs. K. Sadhana	ISSN: 2456-3315		2023	https://ijrti.org/papers/IJRTI2304112.pdf		IJRTI
12	Medi Companion Using NLP	IJSREM	Mr. G. Sateesh	ISSN:2582-3930		2024	DOI: 10.55041/IJSREM294		IJSREM

							https://ijsrem.com/download/m edi-companion-using-nlp/		
13	Face Corrupt Identification Using Lstm And Resnext	IJRESM	Mr. G. Sateesh	ISSN:25 82-3930		2024	DOI: 10.55041/IJSREM29415 https://ijsrem.com/download/face-corrupt-identification-using-lstm-and-resnext/		IJSREM
14	Machine Learning Approaches for Cyberbullying Detection in Social Media”	IJSREM	Mr. G. Sateesh	ISSN:25 82-3930		2024	DOI: 10.55041/IJSREM29415 https://ijsrem.com/download/machine-learning-approaches-for-cyberbullying-detection-in-social-media/		IJSREM
15	Text summarization using text rank algorithm	International Journal for Research Trends and Innovation	Mr. A. Yugandhar a Rao	ISSN:24 56-3315		2023	https://ijrti.org/viewpaperforall.php?paper=IJRTI2307049		IJRTI
16	Face Morphing Identification Using LSTM and ResNext	International Journal of Research Publication and Reviews, ,	Mr. A. Yugandhar a Rao	ISSN:25 82-7421		2023	https://ijrpr.com/uploads/V4ISSUE7/IJRPR15236.pdf		IJRPR.
17	VGG19-Powered Plant Nutrient Imbalance Detection system “, , ISSN:2349-9249	TIJER	Mr. B. Nageswara Rao			2024	https://tijer.org/tijer/papers/TIJER2403013.pdf		TIJER
18	Malware detection using residual neural networks	International Research Journal of Modernization in Engineering Technology and Science(IRJETS)	Mr. B. Nageswara Rao	ISSN:25 82-520		2024	https://www.irjmets.com/uploadedfiles/paper/issue_4_april_2024/51984/final/fin_irjmets1712342476.pdf		IRJMETS

19	Sign Language Translation System	IJSREM 2024.ISSN:2582-3930	Mrs. V. Anupama	ISSN:2582-3930		2024	https://ijsrem.com/download/autonomous-robotic-vehicle-using-arduino		IJSREM
20	Autonomous Robotic Vehicle Using Arduino	IJRESM	Mrs. V. Anupama	ISSN:2582-3930		2024	https://ijsrem.com/download/autonomous-robotic-vehicle-using-arduino/		IJSREM
21	Skin Cancer Detection Based On Deep Learning And Image Segmentation	IRJMETS	Mrs. V. Anupama	ISSN:2582-5208		2024	https://www.irjmets.com/paperdetail.php?paperId=2dd29aa8ae430d6e24a2b734f72bc8ae&title=SKIN+CANCER+DETECTION+BASED+ON+DEEP+LEARNING+AND+IMAGE+SEGMENTATION&author=V.+Anupama		IJSREM
22	Novel Internet of Things Based Disease Diagnosis Framework for Smart Healthcare Schemes using Combined Optimized Artificial Intelligence Approach	International journal of intelligent systems and applications in engineering	Mrs. V. Anupama	979-8-3503-4758-6		2023	https://ijisae.org/index.php/IJISAE/article/view/3400		IJISAEC
23	Analysis of facial expressions using Resnet and VGG	ZKG International	Mr. M. Sriramulu	ISSN:2366-1313		2023	https://zkginternational.com/archive/volume8/Analysis-of-Facial-Expressions-using-ResNet-and-VGG.pdf		ZKGINTERNATION
24	Handwritten Detection and Translation	International Journal of Research Publication and Reviews	Mrs.R.Suchitra	ISSN:2582-7421		2023	https://ijrpr.com/uploads/V4ISSUE7/IJRPR15374.pdf		IJRPR
25	Lung Cancer Detection & stages Identification using CNN and ResNet algorithm	TIJER	Mr.T.Venu	ISSN 2349-9249		2024	https://tijer.org/tijer/papers/TIJER2403105.pdf		TIJER

26	Crypto Currency Price Prediction Using Random Forest and Gradient Boosting Algorithms	International Journal of Scientific Research in Engineering and Management (IJSREM)	Mr.T.Venu	ISSN: 2582-3930		2024	https://ijsrem.com/download/crypto-currency-price-prediction-using-random-forest-and-gradient-boosting-algorithms/		IJSREM
27	Analyzing Network Efficiency by Using AD-HOC Routing Protocols	International Journal of Research Publication and Reviews,	Mr. D. Sunil	ISSN:25 82-7421		2023	https://ijrpr.com/uploads/V4ISSUE7/IJRPR15340.pdf#:~:text=This%20study%20proposes%20the%20utilization%20of%20NS2%2C%20a,replicate%20actual%20networks%20on%20computers%20for%20in-depth%20analysis.		IJRPR
28	Crop recommendation using XG Boost algorithm	International Journal of Scientific Research in Engineering and Management (IJSREM)	Mr. D. Sunil	ISSN: 2582-3930		2024	https://ijsrem.com/download/crop-recommendation-using-xgboost-algorithm/		IJSREM
29	Cypher notes using fernet symmetric key encryption algorithm”, International Journal of Research and Analytical Reviews (IJRAR), 2023, ISSN:2349-5138		Mr. G. Ravindran ath				https://ijrar.org/papers/IJRAR23C1129.pdf		IJRAR
30	Efficient Parking Guidance System with Arduino and NodeMCU ESP8266 Using Blynk IoT Application	International Journal of Research Publication and Reviews	Mr. G. Ravindran ath	ISSN:25 82-7421		2023	https://ijrpr.com/uploads/V4ISSUE7/IJRPR15307.pdf		IJRPR

31	A comparative study on autism spectrum disorder detection by leveraging machine learning	International Journal of Scientific Research in Engineering and Management (IJSREM)	Mr. A. V. D. N. Murthy	ISSN: 2582-3930		2023	https://ijsrem.com/download/a-comparative-study-on-autism-spectrum-disorder-detection-by-leveraging-machine-learning/		IJSREM
32	Mr. A. V. D. N. Murthy “Alzheimer’s disease detection using mri scans via resnet 152 and transfer learning”	TIJER	Mr. A. V. D. N. Murthy	,ISSN 2349-9249		2024	https://tijer.org/tijer/viewpaperforall.php?paper=TIJER2403034		TIJER
33	YouTube Transcript Summarization Using LSA	International Journal for Research Trends and Innovation	Mr. P. J. V. G. Prakasa Rao	ISSN:24 56-3315		2023	https://ijrti.org/papers/IJRTI2307052.pdf		IJRTI
34	Enhanced Emotion Analysis of Voice Feedback using CNN	International Journal of Scientific Research in Engineering and Management (IJSREM)	Mr. P. J. V. G. Prakasa Rao	ISSN: 2582-393		2024	https://ijsrem.com/download/enhanced-emotion-analysis-of-voice-feedback-using-cnn/		IJSREM
35	Optimizing Plant Health Through IoT Developing A Smart Watering System	“, International Journal of Scientific Research in Engineering and Management	Mr. Sana Swaroop			2024	https://ijsrem.com/download/optimizing-plant-health-through-iot/		IJSREM
36	Multi Disease Prediction System Using Machine Learning	International Research Journal of Modernization	Mr. Sana Swaroop	e-ISSN: 2582-5208		2024	DOI LINK : 10.56726/IRJMETS49550		IRJMETS

		in Engineering Technology and Science					IRJMETs - Low Cost Journal with DOI Rs. 599 publication fees In 4 hr paper published Engineering, Scientific journal		
37	Eye disease detection: Using Deep Learning - CNN model	International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 2024	Mr. Sana Swaroop	ISSN : 2456-3307		2024	doi : https://doi.org/10.32628/CSEIT2410137 https://ijsrcseit.com/home/issue/view/article.php?id=CSEIT2410137		IJSRCSEIT
38	Multivariate Approach for Texture Segmentation using Probabilistic Statistical Model	J. Electrical Systems	Mr. M. Chandu Jagan Sekhar	ISSN:23 81-2385		2024	https://www.journal.esrgroups.org/jes/article/view/2003		Journal Of Electrical Systems
39	Detection of Cyber Bullying on Social Media	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Mr. D. J. Santosh Kumar	ISSN:25 81-9429		2023	DOI: 10.48175/IJARSCT-12168 https://www.ijarsct.co.in/july3i2.html		IJARSCT
40	ToxicDetect Chat Detecting Toxicity and Inappropriate Content in Real-Time using Bi LSTM and RNN", 2024,	TIJER	Mr.N.P Patnaik M	ISSN:23 49-9249		2024	https://tijer.org/tijer/papers/TIJER2404032.pdf		TIJER
41	Chirography and image decoding to audio for visually impaired people	TIJER	Mr.N.P Patnaik M	ISSN:23 49-9249		2024	https://tijer.org/tijer/papers/TIJER2404152.pdf		TIJER

42	Plant nutrient deficiency using mobilenet	International Journal for Research Trends and Innovation	Mr.N.P Patnaik M	ISSN:24 56-3315		2023	https://ijrti.org/papers/IJRTI2304105.pdf		IJRTI
43	SVM-SFL Based Malicious UAV Detection in WSN	Concurrency Computation :Practices and Experiences	Mr. S. V. R. Vara Prasad			2024	https://doi.org/10.1002/cpe.8049 https://onlinelibrary.wiley.com/doi/10.1002/cpe.8049?msocid=19ad452b472c6e92016a502c46896fd9		WILEY.COM
44	Enhanced Data-Driven Due Diligence For Unveiling Business Opportunities	IJRESM 2024	Mr. S. V. R. Vara Prasad	ISSN:25 82-3930		2024	https://ijsrem.com/download/enhanced-data-driven-due-diligence-for-unveiling-business-opportunities/		IJSREM
45	Logistic Regression Based Malicious Uav Tracking In Wsn	IJRESM	Mr. S. V. R. Vara Prasad	,ISSN:2 582-3930		2024	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=qGOeo1IAAAAJ&citation_for_view=qGOeo1IAAAAJ:9yKSN-GCB0IC		IJRESM
46	Tracing A Counterfeit Medical Drug Using Blockchain	IRJMETS	Mr. S. V. R. Vara Prasad	ISSN:25 82-5208		2024	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=qGOeo1IAAAAJ&citation_for_view=qGOeo1IAAAAJ:2osOgNQ5qMEC		IRJMETS
47	The Magic Of Speech/Text To Image Generation	IJSREM	Ms. P. Venkata Sai Manisha	ISSN:25 82-3930		2024	https://ijsrem.com/download/the-magic-of-speech-text-to-image-generation/		IJSREM
48	Pictogram Authentication	IJCRT	Ms. P. Venkata Sai Manisha	ISSN:23 20-2882		2024	chrome-extension://efaidnbmninnbpcapjpcglclefindmkaj/https://www.ijcrt.org/papers/IJCRT2403146.pdf		IJCRT

49	A novel performance analysis approach to predict chronic kidney disease using ANN	African journal of biological sciences	Mrs.S Neeraja	,ISSN : 2663-2187		2024	https://www.afjbs.com/uploads/paper/f493f935ce8214945a762f8150927a9d.pdf		AFJBS
50	Driver Safety: Accident Prevention and Detection System	International Journal of Scientific Research in Engineering and Management	Mrs.S Neeraja	ISSN: 2582-3930		2024	chrome-extension://efaidnbmninnbpcajpcglclefindmkaj/https://www.ijcrt.org/papers/IJCRT2403146.pdf		IJCRT
51	Toxic Comment Classification Using Deep Learning	International Journal of Scientific Research in Engineering and Management	Mrs.S Neeraja	,ISSN: 2582-3930		2024	DOI: 10.55041/IJSREM28741 https://ijsrem.com/download/toxic-comment-classification-using-bi-lstm/		IJSREM
52	Aquacarta Real-Time Urban Waste Mapping Using Internet Of Things	International Journal of Scientific Research in Engineering and Management	Mrs.S Neeraja	ISSN: 2582-3930		2024	DOI: 10.55041/IJSREM28742 https://ijsrem.com/download/aquacarta-real-time-urban-waste-mapping-using-internet-of-things/		IJSREM
53	Optimization of neural network for news classification	International Journal for Research Trends and Innovation.	T. Thirupathi Rao	ISSN:24 56-3315		2023	https://ijrti.org/papers/IJRTI2307054.pdf		IJRTI
54	CNN-Based Classification of Histopathology Images for the Diagnosis of Lung Cancer	International Journal of Scientific Research in Engineering and	T. Thirupathi Rao	ISSN:25 82-3930		2024	https://ijsrem.com/download/cnn-based-classification-of-histopathology-images-for-the-diagnosis-of-lung-cancer/		IJSREM

		Management (IJSREM)							
55	Enhancing Glaucoma Detection Using Deep Learning	International Journal of Scientific Research in Engineering and Management (IJSREM)	T. Thirupathi Rao	ISSN:25 82- 3930		2024	https://ijsrem.com/download/enhancing-glaucoma-detection-using-deep-learning/		IJSREM
56	Smart Parking System To Reduce The Traffic Congestion	IJSREM	D.Sudheer	ISSN:25 82- 3930		2024	https://ijsrem.com/download/smart-parking-system-to-reduce-the-traffic-congestion/#::~:~:text=Problems%20such%20as%20traffic%20congestion,of%20each%20single%20parking%20space.		IJSREM
5/	Vehicle Theft Intimation And Accident Through Sms Using Iot	IJSREM	D.Sudheer	ISSN:25 82- 3930		2024	https://ijsrem.com/download/vehicle-theft-intimation-and-accident-detection-through-sms-using-iot/		IJSREM



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Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com

Website: www.lendi.org

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Details of Publication in Journal

Academic Year: 2023-24

S. No.	Name of the Faculty	Title of the Paper	Details of Publication				Link to The Article	Indexed By
			Name of the Journal	Year	Page No.	ISSN No		
1.	Dr. B. Srikanth Kumar	Design of a Novel Inexact 4:2 Compressor and Its Placement in the Partial Product Array for Area, Delay, and Power-Efficient Approximate Multipliers	Circuits, Systems, and Signal Processing	Mar, 2024	3748–3774	0278-081X	https://doi.org/10.1007/s00034-024-02630-4	SCIE
2.	Dr. R. Santosh	A Low-Power Tunable Differentiator Using Voltage Difference Transconductance Amplifier (VDTA) for Tunable PD Controller	Journal of Circuits, Systems and Computers	Apr, 2024	--	0218-1266	https://doi.org/10.1142/S0218126624502438	SCIE
3.	Mrs. Ch. Gayatri	Design of Circularly Polarized Wideband Dielectric Resonator Antenna for Millimeter Wave Applications	SN Computer Science	2023	--	2661-8907	https://doi.org/10.1007/s42979-023-02025-3	<u>Scopus</u>
4.	Dr.D.Naresh Kumar	Design of a Multi-Band 5G Antenna and Machine Learning Approach for Electromagnetic Compatibility	Journal of Systems Engineering and Electronics	2024	--	1671-1793	https://jseepublisher.com/volume-34-issue-3-2024/	Scopus
5.	Dr.D.Naresh Kumar	Design of High Speed and Low Power Multiplier using Dual-Mode Square Adder. International	Journal of Signal and Imaging Systems Engineering	Sep 2023	167	1748-0698	10.1504/IJSISE.2023.133653	Scopus
6.	Mr.S.S. Kiran	Jacobian Based Nonlinear	Transactions on	2023	447–458	1229-7607	https://doi.org/10.10	Scopus



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		Algorithms for Prediction of Optimized RF MEMS Switch Dimensions	Electrical and Electronic Materials				07/s42341-023-00463-7	
7.	Mr.S.S. Kiran	Automated face recognition system for smart attendance application using convolutional neural networks.	International Journal of Intelligent Robotics and Applications (IJIRA)	2024	162–178	2366-598X	https://doi.org/10.1007/s41315-023-00310-1	ESCI
8.	Mr.S.S. Kiran	Designing of self-balancing amplitude modulated five level inverter for reducing voltage stress gradients on converter switches for electric vehicles	Franklin Open	2024	1-16	2773-1863	https://doi.org/10.1016/j.fraope.2024.100114	Scopus
9.	Dr.D.Naresh Kumar	Deep Learning-Based Modified Transformer Model for Automated News Article Summarization	FACTA Universitatis: Electronics & Energetics	Jan2024	261-276	0353-3670	https://casopisi.junis.ni.ac.rs/index.php/UElectEnerg/article/view/11872	ESCI
10.	Dr. R. Santosh	The structural, stability, electronic, optical and thermodynamic properties of MoX ₂ (X= S, Se, and Te) under hydrostatic pressures: a plasmon approach and first-principle study.	Journal of Molecular Modeling	2024	--	1610-2940	https://doi.org/10.1007/s00894-024-05887-3	Scopus
11.	Dr.D.Naresh Kumar	2D Node-Based Finite Element Method on Linear Accelerator Cavity for Radiation Therapy	International Journal of Membrane Science and Technology	Oct, 2023	658-666	2410-1869	https://cosmoscholars.com/phms/index.php/ijmst/article/view/2628	UGC



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Phone No. 08922-241111, 241112

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Website: www.lendi.org

12.	Dr.B.Sridhar, Mr.B.Rama Mohan	Implementation of Radix-2 FFT MDC Architecture using Vedic multiplier for High Speed Applications	Industrial Engineering Journal	May,2 023	653- 662	0970-2555	http://journal-iiie-india.com/1_may_23/73_online.pdf	UGC CARE Group-1).
13.	Dr.D.Naresh Kumar	Efficient Design of Rounding- based Approximate Modified Karatsuba Multiplier	Journal of Emerging Technologies and innovative Research	July- 2023	--	2349-5162	https://www.jetir.org/view?paper=JETIR2307136	UGC
14.	Mr.B.Rama mohan	Delay Analysis Of Approximate Parallel Prefix Adders	Industrial Engineering Journal	Septe mber,2 023	0970- 2555	0970-2555	http://www.journal-iiie-india.com/1_sep_23/5_online.pdf	UGC CARE Group-1
15.	Mr.B. Hemanthnag	Design And Analysis Of Majority Logic Based Approximate Multiplier	Zkg International	June 2023	--	2366-1313	https://zkginternational.com/archive/volume8/DESIGN-AND-ANALYSIS-OF-MAJORITY-LOGIC-BASED-APPROXIMATE-MULTIPLIER.pdf	UGC CARE Group-1



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Website: www.lendi.org

AY – 2023-24 (SCI/WOS/SCOPUS/UGC Care/Others)

S.No	Title of the paper	Name of the Journal	Name of the Faculty	Details of the Publication			DOI	Impact factor	Indexed by SCIE/SCOPUS/ UGC
				ISSN No	Volume	Year			
1	Green Anakonda optimized DRN controller for automatic generation control of two area interconnected wind-solar-tidal system	Electrical Engineering (SCIE)	Dr.B.V.S.Achar yulu	1432-0487	106	December 2023	https://link.springer.com/article/10.1007/s00202-023-02151-4	1.7	Springer
2	Shunt Compensation using Deep Belief Learning Network Based Inductively Coupled DSTATCOM	Energy Systems (ESCI)	Dr.K. Subbaramaiah,	1868-3975	32	December 2023	https://link.springer.com/article/10.1007/s12667-023-00647-3	1.9	Springer
3	Shunt Compensation using Deep Belief Learning Network Based Inductively Coupled DSTATCOM	Energy Systems (ESCI)	Mrutyunjaya Mangaraj	1868-3975	32	December 2023	https://link.springer.com/article/10.1007/s12667-023-00647-3	1.9	Springer
4	Shunt Compensation using Deep Belief Learning Network Based Inductively Coupled DSTATCOM	Energy Systems (ESCI)	Dr.B.V.S.Achar yulu,	1868-3975	32	December 2023	https://link.springer.com/article/10.1007/s12667-023-00647-3	1.9	Springer
5	Shunt Compensation using Deep Belief Learning Network Based Inductively Coupled DSTATCOM	Energy Systems (ESCI)	K.Praveen Kumar Yadav	1868-3975	32	December 2023	https://link.springer.com/article/10.1007/s12667-023-00647-3	1.9	Springer
6	Shunt Compensation using Deep Belief Learning Network Based Inductively Coupled DSTATCOM	Energy Systems (ESCI)	T.Papinaidu	1868-3975	32	December 2023	https://link.springer.com/article/10.1007/s12667-023-00647-3	1.9	Springer



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E-Mail: lendi_2008@yahoo.com

Website: www.lendi.org

7	Evaluation of electrical properties of graphene nano powder-dispersed propylene glycol-water solutions	Engineering Research Express (ESCI)	Dr.P.Janaki	2631-8695	5	July 2023	https://iopscience.iop.org/article/10.1088/2631-8695/ace58e	1.5	IOP Publishing Ltd
8	Sea Lion optimized PID+DD control for load frequency control of a hybrid power system	SN computer science (Scopus)	Dr.B.V.S.Acharyulu	2661-8907	32	July 2023	https://link.springer.com/article/10.1007/s42979-023-02009-3	2.2	Springer
9	Characterization and Evaluation of Electrical Properties of Corn Oil Biodiesel mixed with Nano Additive	International Journal of Renewable Energy Research (IJRER) (Scopus)	Dr.P.Janaki	1309-0127	13	June 2023	https://www.ijrer.org/ijrer/index.php/ijrer/article/view/14144	10.32	Gazi University
10	Nano-dispersed Corn Oil Biodiesel: An Analysis of its Potential for usage in Hybrid Electric Vehicles	International Journal of Vehicle Structures & Systems (Scopus)	Dr.P.Janaki	0975-3540	16	March 2024	DOI: 10.4273/ijvss.16.1.17	1.3	A & V Publications
11	Nano-dispersed Corn Oil Biodiesel: An Analysis of its Potential for usage in Hybrid Electric Vehicles	International Journal of Vehicle Structures & Systems (Scopus)	Mrs.K.Anitha,	0975-3540	16	March 2024	DOI: 10.4273/ijvss.16.1.17	1.3	A & V Publications
12	Nano-dispersed Corn Oil Biodiesel: An Analysis of its Potential for usage in Hybrid Electric Vehicles	International Journal of Vehicle Structures & Systems (Scopus)	Mrs.K. Nagamani,	0975-3540	16	March 2024	DOI: 10.4273/ijvss.16.1.17	1.3	A & V Publications



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Phone No. 08922-241111, 241666

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13	Nano-dispersed Corn Oil Biodiesel: An Analysis of its Potential for usage in Hybrid Electric Vehicles	International Journal of Vehicle Structures & Systems (Scopus)	Mr.T.Karthik	0975-3540	16	March 2024	DOI: 10.4273/ijvss.16.1.17	1.3	A & V Publications
14	Modelling and experimental validation of DSTATCOM using a deep belief learning network with an anti-wind-up regulator	International Journal of Ambient Energy (Scopus)	Mr.K.Praveen Kumar	2162-8246	45	September 2023	https://www.tandfonline.com/doi/full/10.1080/01430750.2024.2345262	1.7	Taylor & Francis publishes
15	Experimental Analysis of DI-ZSI based DSTATCOM	International journal of Applied Power Engineering (Scopus)	Mr.K.Praveen Kumar	2722-2624	12	September 2023	https://ijape.iaescore.com/index.php/IJAPE/article/view/20559	-	IAES
16	Solar Wireless Electric Vehicle Charging System	International Journal of Scientific Research in Engineering and Management (UGC Care)	Mr.B. Ram Vara Prasad	2582-3930	6	June 2022	DOI: 10.55041/IJSREM14449	7.185	IJSREM
17	Design of Instantaneous Overcurrent Relay in a Three Phase System	International Journal of Research and Analytical Reviews (Others)	Mrs. K. Nagamani	2349-5138	11	April 2024	https://ijrar.org/archive.php?vol=6&issue=2	7.71	IJRAR



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18	Battery Management System Techniques for EV Applications	International Journal of Research and Analytical Reviews (Others)	Mr. K.Praveen Kumar Yadav	2349-5138	11	March 2024	https://ijrar.org/archive.php?vol=6&issue=2	7.71	IJRAR
19	Humanoid Robot with Obstacle Avoidance and Self-Balancing using IOT	International Journal of Research and Analytical Reviews (Others)	Mr. T. Papinaidu	2349-5138	11	April 2024	https://ijrar.org/archive.php?vol=6&issue=2	7.71	IJRAR



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Ph : 08922-241111, 241666, Cell No : 9490344747, 9490304747, e-mail : lendi_2008@yahoo.com

RESEARCH PUBLICATIONS FOR THE ACADEMIC YEAR: 2023-24

DEPARTMENT OF MECHANICAL ENGINEERING

S.No.	Title	Journal	Authors	ISSN / ISBN No.	Volume & page no	Month & Year	DOI	Whether peer reviewed. Impact factor, if any	Indexed by SCI-E/SCOPUS/UGC
1	Fabrication and optimization of acoustic properties of natural fiber reinforced composites	International Journal on Interactive Design and Manufacturing (IJIDeM)	Dr. Satish Pujari	1955-2505	Volume 18	August 2023	https://doi.org/10.1007/s12008-023-01496-1	2.1	SCIE
2	Artificial Neural Network Performance Modeling and Evaluation of Additive	Engineering, Technology & Applied Science Research	Dr. Satish Pujari	1792-8036	Vol. 13 No. 5	October 2023		-	SCOPUS



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	Manufacturing 3D Printed Parts								
3	Advancements in Additive Manufacturing Innovations in Direct Ink Writing Materials and Their Transformative Practical Applications	Journal of Engineering Science and Technology	Dr. Satish Pujari	1823-4690		February & 2024		-	SCOPUS
4	Python programming predictions of thermal behavioral aspects of Orange peel and coconut –coir	Sharif University of Technology ScientiaIranica	Dr.Satish Pujari, Daniel Silas Kumar Mandrumaka	<u>1026-3098</u>	31(8)	May 2024	https://doi.org/10.24200/sci.2023.60206.6665	-	-



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	reinforced epoxy composites								
5	Revolution Of Industry 5.0: The Human Focused Solutions For Sustainable Growth And Development	European Chemical Bulletin	Dr. K. Sridhar	2063-5346	12(4)	December 2023	https://doi.org/10.48047/ecb/2023.12.si4.1605	-	-
6	Decoding Digitalization Role In Higher Education- Opportunities And Challenges In Indian Institutions	Migration Letters	Dr. K. Sridhar	1741-8984		February 2024		-	-



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7	Design of automated braking system of vehicle using PLC ladder and simulated with WPL software	AIP Publishing	Dr. P. Timothy	0094-243X	Volume 2794, Issue 1	October 2023	https://doi.org/10.1063/5.0166076	SCIE	3.5
8	Assessment on Effect of Thermal, Mechanical and Water Absorption Properties of Hybrid Hemp/Pine Apple/Palm Fiber Reinforced Epoxy Composite	Research Square	Dr. P. Timothy	NA		October 2023	https://doi.org/10.21203/rs.3.rs-3062539/v1	-	-



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9	Graphene Nanopowder and Propylene Glycol Solutions, Thermal and Physical Properties	Arabian Journal for Science and Engineering	Dr. P. Timothy Dr. Raviteja Surakasi Gedela Chandra Sekhar	2193-567X	48:16039–16050	June 2023	https://doi.org/10.1007/s13369-023-07952-0	-	SCOPUS
10	The Combustion and Emission Characteristics of Corn Oil Biodiesel with Titanium Oxide (TiO ₂) Nano-additive	Journal of Environmental Nanotechnology	Dr. Raviteja Surakasi, KCh.Sekhar, B.Ushaswini	2279-0748	Volume 13, No 1	Mar 2024	https://doi.org/10.13074/jent.2024.03.241512	-	SCOPUS



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11	Tanning Wastewater Sterilization in the Dark and Sunlight Using Psidium guajava Leaf-Derived Copper Oxide Nanoparticles and Their Characteristics	ACS Omega	Dr. Raviteja Surakasi	0002-7863	Vol 8/Issue 42	October 2023		-	SCOPUS
12	Investigation on the influence of the MWCNT Al ₂ O ₃ and CuOnano fluid in the ETSC	Thermal Science	Dr. Raviteja Surakasi	0354-9836	Vol 27 issue 6	November 2023	https://doi.org/10.2298/TSCI220919246K	-	SCOPUS



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13	Examining the Effects of Load Variation on the Tribological Behavior of a Blended Lubricant Made from Corn Oil Biodiesel	International journal of Vehicle Structures and Systems	Dr. Raviteja Surakasi ,Manyala Gangadhar Rao, Ravi Ganivada, Ravikanth Yajjala	0975-3060	Vol. 15 No. 7	December 2023	https://doi.org/10.4273/ijvss.15.7.15	-	SCOPUS
14	Corn Oil Biodiesel Dispersed with Nanopowder as Cutting Fluid in Metal Cutting Process on CNC Milling Machine.	International journal of Vehicle Structures and Systems	Ravi Ganivada, Gangadhar Manyala, Dr. Raviteja Surakasi	0975-3060		December 2023		-	SCOPUS



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15	Performance, Combustion, and Emission analysis of diesel engine fuelled with pyrolysis oil blends and n-propyl alcohol-RSM optimization and ML modelling	Journal of Cleaner Production	Dr. Raviteja Surakasi	0959-6526		January 2024		11.072	SCIE
16	Effectiveness of natural dye adsorption on ILSS and optical properties of bio synthesised TiO ₂ nano particles and reinforced with flax	Discover Applied Sciences	Dr. Raviteja Surakasi	3004-9261	Volume 6, article number 125	March 2024	https://doi.org/10.1007/s42452-024-05758-9	-	SCOPUS



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	seed fiber/epoxy-based hybrid composites								
17	Nano-dispersed Corn Oil Biodiesel: An Analysis of its Potential for usage in Hybrid Electric Vehicles	International journal of Vehicle Structures and Systems	Dr Raviteja Surakasi	0975-3060		March 2024	https://doi.org/10.4273/ijvss.16.1.17	-	SCOPUS
18	Evaluation of Dielectric Properties of Peanut Oil Biodiesel Mixed with Nano-additives	Journal of Environmental Nanotechnology	Dr. Raviteja Surakasi	2279-0748	Volume 13, No 1	March 2024	https://doi.org/10.13074/jent.2024.03.241514	-	SCOPUS



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19	Emerging trends and global challenges to predict drop in thermal performance of WTG gearbox	Journal of Thermal Engineering	Dr. Raviteja Surakasi	2148-7847	Volume: 10 Issue: 3	May 2024		-	ESCI
20	Deep NNet 15 for the prediction of biological waste to energy conversion and nutrient level detection in treated sewage water	Process Safety and Environmental Protection	Dr. Raviteja Surakasi	0957-5820	Volume 189	June 24	https://doi.org/10.1016/j.psep.2024.06.119	9.29	SCIE
21	Evaluation of electrical properties of graphene nano powder dispersed	Engineering Research Express	Dr Raviteja Surakasi, Gedela Chandra Sekhar	2631-8695	5(3)	July 2023	https://doi.org/10.1088/2631-8695/ace58e	-	ESCI



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	propylene glycol- water solutions								
22	Characterization and Evaluation of Electrical Properties of Corn Oil Biodiesel mixed with Nano Additive	International Journal of Renewable Energy Research	Dr Raviteja Surakasi	1309-0127		July 2023		-	ESCI



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23	Explore the elimination of toxic dye using Bio-Synthesized cerium oxide nanoparticles derived from Morindacitrifolia leaf extracts	Surfaces and Interfaces	Dr. Raviteja Surakasi	2468-0230	Volume 41	October 2023	https://doi.org/10.1016/j.surfin.2023.103151	6.60	SCIE
24	Predicting combustion, performance, and emission characteristics of a compression ignition	International Journal of Ambient Energy	P.SrinivasaReddy, M. V. Krishna Mohanan,	2162-8246		May 2024		-	ESCI



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	engine utilising coconut oil methyl ester and MoO ₃ nanoparticles								
25	Mechanical characterization of aluminum-boron carbide composites	Materials Today Proceedings	R. Ramakrishna, D. Srinivasa Rao	2214-7853		July 2023	https://doi.org/ 10.1080/01430 750.2024.2353 863	-	SCOPUS
26	Improving the properties of aluminum-lithium composites in aerospace applications	Engineering Research Express	Ch..Polayya	2631-8695	Volume 6, Number 2	May 2024		-	ESCI



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27	Dynamic Mechanical And Thermogravimetric Analysis Of Natural Fiber Composites Reinforced With Montmorillonite Nano Clay Particles As Fillers At Different Orientations	Rasayan Journal of Chemistry	R Jagadeesh Kumar Pala Srinivasa Reddy Dr MV Krishna Mohan r, Roopa.S	0974-1496		December 2023.	https://doi.org/10.1088/2631-8695/ad3a37	-	SCIE
28	Suction Effect On Porous Shrinking Cylinder In MhdCasson Fluid With The Impact Of	Journal of Porous Media	Manyala GangadharRao,	1091-028X	Volume 27	January 2024	https://doi.org/10.1615/JPorMedia.2024050282	-	SCIE



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	Heat Generation And Radiation								
29	Impact of titanium and silicon metal oxide nanoparticles on surface coatings for marine vehicles to mitigate biofouling	Particulate Science And Technology	M. V. Krishna Mohan ,P. SrinivasaReddy	0272-6351.	Volume 42, 2024 - Issue 6	December 2023	https://doi.org/10.1080/02726351.2023.2295978	2.56	SCIE
30	Copper Slag-Sustainable Mold Material for Non-ferrous Foundries	International Journal of Metal Casting	Dr. Y. Ravi Kanth	1939-5981	Volume 18	October 2023	https://doi.org/10.1007/s40962-023-01166-8	2.6	SCIE



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31	Optimal Component Sizing and Performance of Fuel Cell - Battery Powered Vehicle over World Harmonized and New European Driving Cycles	Energy Conversion and Management	Dr. Venkata KoteswaraRao K	0196-8904	Volume 300	January 2024	https://doi.org/10.1016/j.enconman.2023.117992	-	SCIE