



LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution

Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada

Accredited by NAAC with "A" Grade

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

Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com

Website: www.lendi.org

RESEARCH PUBLICATIONS FOR THE ACADEMIC YEAR: 2021-22

DEPARTMENT OF ELECTRICAL AND ELECTRONICS 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	An approach to unravel the optimal PMU placement problem for full observability of power network in view of contingencies	International Journal of System Assurance Engineering and Management	Dr. K. Subbaramaiah	----	Volume 12, Issue 5	October 2021	10.1007/s13198-01-01412-4		(SCOPUS)
2	Multi Objective RES Power Generation for SRM Based Electric Vehicles	Design Engineering	Dr. K. Subbaramaiah	0011-9342	Issue 8	September 2021	----		(SCOPUS)
3	Modeling & Analysis of 255W rated PV Array using LAB-VIEW	Design Engineering	Dr. K. Subbaramaiah	1939-1948	Issue 8	July 2021	----		(SCOPUS)

4	Operation of Hebbian least mean square controlled distributed static compensator	IET Generation, Transmission & Distribution	Dr. M. Mangaraj	193 9- 1948	----	July 2021	10.1049/gtd 2.12146		(SCIE)
5	GLMS control strategy based DSTATCOM for PQ enhancement: modeling and comparative analysis	Energy Systems	Dr. M. Mangaraj			October 2021			(SCOPUS)
6	Dual Renewable Power Generation System Using Active Power Filter Capabilities LMMN-Based Adaptive Filtering Method	Design Engineering	Dr. M. Mangaraj	0011-9342	Issue 8	September 2021	----		(SCOPUS)
7	Control and Operation of a DC Grid-Based Wind Power Generation System in a Microgrid	Design Engineering	Dr. M. Mangaraj	0011-9342	Issue 8	September 2021	----		(SCOPUS)
8	Design And Implementation Of IOT based Gas Detection & Fire Extinguishing System	International Journal Of Emerging Trends In Engineering Research	Dr. B.V.S. Acharyulu	2347 - 3983	Volume 9 No.4 July 2021	July 2021	10.30534/ij eter/2021/1 8972021		
9	Design of micro grid fed by renewable energy	Design Engineering	Dr. B.V.S. Acharyulu	0011-9342	Issue 8	September 2021	----		(SCOPUS)

	sources using the MPPT control								
10	Power Quality Enhancement by Using RPFIC In Railway Power System with Pid Controller	Design Engineering	Dr. B.V.S. Acharyulu	0011-9342	Issue 8	September 2021	----		(SCOPUS)
11	An approach to unravel the optimal PMU placement problem for full observability of power network in view of contingencies	International Journal of System Assurance Engineering and Management	Dr. Rohit Babu		Volume 12, Issue 5	October 2021	10.1007/s13198-01-01412-4		(SCOPUS)
12	Optimal reactive power planning using oppositional grey wolf optimization by considering bus vulnerability analysis	Energy Conversion and Economics	Dr. Rohit Babu		----	December 2021	10.1049/cnc2.12048		
13	Simulation of Fuzzy Based Dynamic Voltage Restorer for Voltage Sag Compensation	Design Engineering	Dr. Rohit Babu	0011-9342	Issue 8	September 2021	----		(SCOPUS)
14	A Review at the utilization of Renewable Energy in an Agricultural Operation	Biophysical Economics and Sustainability (----)	Dr. Rohit Babu		----	November 2021	10.1007/s41247-021-00092-9		

15	Allocation of phasor measuring unit using an admissible searching-based algorithm A-star and binary search tree for full interconnected power network observability	Optimal Control Applications and Methods	Dr. Rohit Babu		----	December 2021	10.1002/oca.2843		(SCIE)
16	Reactive power planning problem considering multiple type of FACTS in power systems	International Journal of System Assurance Engineering and Management	Dr. Rohit Babu		----	January 2022	10.1007/s13198-021-01588-9		(SCOPUS)
17	Fuzzy-Based Shunt VAR Source Placement and Sizing by Oppositional Crow Search Algorithm	Journal of Control, Automation and Electrical Systems	Dr. Rohit Babu		----	February 2022	10.1007/s40313-022-00903-4		(SCOPUS)
20	Application of Sine-Cosine Optimization Algorithm for Minimization of Transmission Loss	Technology and Economics of Smart Grids and Sustainable Energy	Dr. Rohit Babu			February 2022	10.1007/s40866-022-00136-z		(SCOPUS)
21	Power Quality Enhancement Using Static Voltage	Design Engineering	Mr. K. Ravi Shankar	0011-9342	Issue 8	September 2021	----		(SCOPUS)

	Compensation Based Adaptive Neuro Fuzzy Techniques								
22	Space Vector Pulse Width Modulation based Diode-Cascaded-H Bridge Three-level Inverter	Design Engineering	Mr. T. Papinaidu	0011-9342	Issue 8	September 2021	----		(SCOPUS)
23	Power Quality Improvement by using Dynamic Voltage Restorer	International Journal of Emerging Trends in Engineering Research	Mr. P. Shyam Kiran	2347 - 3983	Volume 9, No. 9	September 2021	10.30534/ijeter/2021/13992021		
24	Power Quality Enhancement for a Grid Connected Wind Turbine Energy System	Design Engineering	Mrs. P. Janaki	0011-9342	Issue 8	September 2021	----		(SCOPUS)
25	Direct torque control method using Kalman filter	Design Engineering	Mrs. P. Janaki	0011-9342	Issue 8	September 2021	----		(SCOPUS)
26	Power Quality Improvement Using Unified Power Quality compensator	International Journal of Advanced Trends in Computer Science and Engineering	Mrs. P. Janaki	2278-3091	Volume 10, No.4,	August2021	10.30534/ijatcse/2021/241042021		
27	Power quality improvement in Grid connected Renewable Energy Sources	International Research Journal of Engineering and Technology	Mr. K. Praveen Kumar Yadav	2395-0056	Volume 8 Issue 7	July 2021	----		

28	Source Voltage and Current Waveform and THD Improvement using ANFIS-PID based DSTATCOM Controller for Distorted Load	Design Engineering	Mr. K. Praveen Kumar Yadav	0011-9342	Issue 8	September 2021	----		(SCOPUS)
29	Optimization of connecting weights using metaheuristic techniques: a comparative analysis	Design Engineering	Mr. B. Rama Vara Prasad	0011-9342	Issue 8	September 2021	---		(SCOPUS)
30	A Review at the utilization of Renewable Energy in an Agricultural Operation	Biophysical Economics and Sustainability (----)	Mr. B. Rama Vara Prasad		----	November 2021	10.1007/s41247-021-00092-9		
31	Allocation of phasor measuring unit using an admissible searching-based algorithm A-star and binary search tree for full interconnected power network observability	Optimal Control Applications and Methods	Mr. B. Rama Vara Prasad		----	December 2021	10.1002/oca.2843		(SCIE)
32	High efficiency single -Input Multi-output DC-DC Converter	International Journal of Research and Analytical	Mr. V. Dhanunjaya Naidu	2348-1269	Volume 8, Issue 3	September 2021	----		

		Reviews							
35	Design And Analysis of Bidirectional Battery Charger For Electric Vehicle	International Journal Of Engineering Research & Technology (IJERT)	Mrs. K. Aswini	2278-0181	Volume 10, Issue 7	July 2021	----		
36	A Controllable Bidirectional Battery Charger for Electric Vehicles with Energy Management System	International research Journal of Engineering and Technology	Mr. U. Sri Anjaneyulu	2395-0056	Volume 8, Issue 7	July 2021	----		
37	Power Quality and Harmonic Assessment for 9 bus Power System under Nonlinear load using a static synchronous series compensator	Design Engineering	Mr. U. Sri Anjaneyulu	0011-9342	Issue 8	September 2021	----		(SCOPUS)
38	Design and Simulation of Seven Level Cascaded H Bridge Inverter for Medium Power Applications	International Journal of Engineering Research & Technology (IJERT)	Mrs. K. Nagamani	2347-3983	Volume 9, No. 8	August 2021	10.30534/ijeter/2021/18982021		

39	Low Frequency AC Transmission for Off shore Wind Power	International Journal of Engineering Research &Technology (IJERT)	Mrs. K. Nagamani	2347-3983	Volume 9, No. 8	August 2021	10.30534/ijeter/2021/24982021		
40	Envision of Solar Photovoltaic Module Parameters using AI Techniques	International journal of innovative research in technology	Mr. B Sesha Sai	2349-6002	Volume 8, Issue 4	September 2021	----		
41	Optimization of connecting weights using metaheuristic techniques: a comparative analysis	Design Engineering	Mr. B Sesha Sai	0011-9342	Issue 8	September 2021	----		(SCOPUS)
42	Envision of Solar Photovoltaic Module Parameters using AI Techniques	International journal of innovative research in technology	Mr. J. Vijaychandra	2349-6002	Volume 8, Issue 4	September 2021	----		
43	Optimization of connecting weights using metaheuristic techniques: a comparative analysis	Design Engineering	Mr. J. Vijaychandra	0011-9342	Issue 8	September 2021	----		(SCOPUS)
44	Allocation of phasor measuring unit using an admissible searching-based algorithm A-star and binary search tree for full	Optimal Control Applications and Methods	Mr. J. Vijaychandra	----	----	December 2021	10.1002/oca.2843		(SCIE)

	interconnected power network observability								
45	Envision of Solar Photovoltaic Module Parameters using AI Techniques	International journal of innovative research in technology	Mr. K. Vedaprakash	2349-6002	Volume 8, Issue 4	September 2021	----		
46	Power Quality and Harmonic Assessment for 9 bus Power System under Nonlinear load using a static synchronous series compensator	Design Engineering	Mr. K. Vedaprakash	0011-9342	Issue 8	September 2021	----		(SCOPUS)
47	Envision of Solar Photovoltaic Module Parameters using AI Techniques	International journal of innovative research in technology	Mr. D. Narendra	2349-6002	Volume 8, Issue 4	September 2021	----		
48	Envision of Solar Photovoltaic Module Parameters using AI Techniques	International journal of innovative research in technology	Mr. K. Dinesh	2349-6002	Volume 8, Issue 4	September 2021	----		
49	Performance Analysis of Photovoltaic Module Using Maximum Power Point Tracking Technique	International Journal of Research and Analytical Reviews	Mr. K. Dinesh	2348-1269	Volume 8, Issue 3	July 2021	----		

50	Power Quality and Harmonic Assessment for 9 bus Power System under Nonlinear load using a static synchronous series compensator	Design Engineering	Mr. K. Dinesh	0011-9342	Issue 8	September 2021	----		(SCOPUS)
----	---	--------------------	---------------	-----------	---------	----------------	------	--	----------

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.	Estimating impact strength and flexural strength of vibratory dissimilar welded joints using machine learning technique	International Journal of Mechanical Engineering	Dr. Satish Pujari	0974-5823	----	Feb. 2022	----	1.04	SCOPUS
2.	Assessment of Mechanical and Tribological Performance of Hybrid AL/MoS ₂ /AL ₂ O ₃ Composite by	Metallurgical and Materials Engineering	Dr. P. Timothy	2812-9105	28 (1) & 79-102	March 2022	https://doi.org/10.30544/764	0.43	SCOPUS

	GFRA								
3.	Design and analysis of composite propeller shaft	International journal of innovative research in technology	Mr. R. Jagadeesh Kumar, Mr. P. Kameswar Rao, Mr. D. Appanna, Mr. R. Ramakrishna, Mr. M. Gangadhar Rao Mr. S. Santosh Kumar	2349-6002	----	March, 2022	----	0.68	UGC
4.	Comparative investigation and optimization of turning process parameters using Taguchi technique in turning of Inconel 718	Materials Today Proceedings	Dr. Raviteja Surakasi	2214-7853	In press	March 2022	https://doi.org/10.1016/j.matpr.2022.02.397	1.24	SCOPUS
5.	Evaluation of performance, emission and combustion characteristics of waste cooking oil biodiesel using additives	Natural Volatiles & essential oils	Mr. K.Ch. Sekhar Mr. D. Srinvasa Rao Dr. Raviteja Surakasi Mr. B. Ranjan Kumar Mr. VV Prasanna Kumar	2148-9637	Volume 8(5) &5754-5771	2021	----	0.65	SCOPUS
6.	Chlorella protothecoides algae oil and its mixes with lower and	Hindawi	Dr. Raviteja Surakasi	2090-9071	Volume 2022	February 2022	https://doi.org/10.1155/2022/9658212	2.07	SCI

	higher alcohols and Al ₂ O ₃ metal nanoadditives for reduction of pollution in a CI engine								
7.	Analysis of environmental emission neatdiesel biodiesel algae oil nanometal additives in compression ignition engine	Hindawi	Dr. Raviteja Surakasi	2090-9071	Volume 2022	February 2022	https://doi.org/10.1155/2022/3660233	2.07	SCI
8.	Investigation of weight fraction and alkaline treatment on catechu Linnaeus/Hibiscus cannabinus/Sansiveria Ethrenbergii plant fibers-reinforced epoxy hybrid composites	Hindawi	Dr. Raviteja Surakasi	2090-9071	Volume 2022	January 2022	https://doi.org/10.1155/2022/4940531	2.07	SCI
9.	Mechanical and tribological properties of TiC nano particles reinforced	Materials Today Proceedings	Dr. Raviteja Surakasi	2214-7853	In press	January 2022	https://doi.org/10.1016/j.matpr.2022.01.096	1.24	SCOPUS

	polymer matrix composites								
10.	Influence of nano filler content on the freeze thaw cycle of the nano concrete mixture	Materials Today Proceedings	Dr. Raviteja Surakasi	2214-7853	In press	2022	https://doi.org/10.1016/j.matpr.2022.02.505	1.24	SCOPUS
11.	Mechanical behaviour of nano ceramic particles reinforced aluminium matrix composites	Materials Today Proceedings	Dr. Raviteja Surakasi	2214-7853	In press	2022	https://doi.org/10.1016/j.matpr.2022.01.085	1.24	SCOPUS
12.	Study on the impact of nano reinforcements on the fatigue strength of adhesive joints	Materials Today Proceedings	Dr. Raviteja Surakasi	2214-7853	In press	2022	https://doi.org/10.1016/j.matpr.2022.02.593	1.24	SCOPUS
13.	Evaluation of physico-thermal properties of TiO ₂ – water mixture dispersed with MWCNTs	Nanotechnology for Environmental Engineering	Dr. Raviteja Surakasi Mr. K.Ch. Sekhar	2365-6387	Volume 7, &325–331	March 2022	https://doi.org/10.1007/s41204-022-00242-4	2.45	SCOPUS
14.	Evaluation of physicothermal properties of silicon oil dispersed with multiwalled	Hindawi	Dr. Raviteja Surakasi	2090-9071	Volume 2021	December 2021	https://doi.org/10.1155/2021/3444512	2.07	SCI

	carbon nanotubes and data prediction using ANN								
15.	Nanometal – Based magnesium oxide nano particle with C.vulgaris algae biodiesel in diesel engine	Hindawi	Dr. Raviteja Surakasi	2090-9071	Volume 2022	March 2022	https://doi.org/10.1155/2022/1688505	2.07	SCI
16.	Synthesis and characterization of TiO ₂ -water nanofluids	Hindawi	Dr. Raviteja Surakasi	2090-9071	Volume 2022	April 2022	https://doi.org/10.1155/2022/3286624	2.07	SCI
17.	Investigation on forestry wood wastes: Pyrolysis and thermal characteristics of ficus religiosa for energy recovery system	Hindawi	Dr. Raviteja Surakasi	2090-9071	Volume 2022	April 2022	https://doi.org/10.1155/2022/3314606	2.07	SCI
18.	Water removal from an ethanol water mixture at Azeotropic condition by absorption technique	Hindawi	Dr. Raviteja Surakasi	2090-9071	Volume 2022	April 2022	https://doi.org/10.1155/2022/8374471	2.07	SCI

19.	Investigation on tensile behaviour of Al/Si ₃ N ₄ /sugarcane ash particles reinforced FSP composites	Materials Today Proceedings	Dr. Raviteja Surakasi	2214-7853	Volume 2022	2021	https://doi.org/10.1016/j.matpr.2021.11.477	1.24	SCOPUS
-----	--	-----------------------------	-----------------------	-----------	-------------	------	---	------	--------

DEPARTMENT OF SCIENCE & HUMANITIES

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	Potentiometric Studies on Bioactive Material Species of Ternary Complexes	Russian Journal of General Chemistry, Springer	Dr. M. Balakrishna Dr. P. Seetharam	1608-3350	Volume 13 & 2467-2472	Jan 2021		Yes, 0.868	SCI, Scopus and UGC
2	Qualitative and Quantitative Evaluation of Trace Elements in Amaranthaceae Family Medicinal Plant Using ICP-MS.	International Journal of Current Research and Review	Dr. M. Balakrishna Dr. P. Seetharam	0975-5241	Volume 90 & 58-63	Mar 2021		Yes	Scopus

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

	Name of the Author(s)	Department of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
1	Dr.K.JayaSri	CSE	Software engineering for IoT with Safety aspects	Spinger	2021	doi: 10.1007/s42797-021-00027-z	https://link.springer.com/article/10.1007/s42797-021-00027-z
2	Dr.K. Narasimha Raju		A Key Exchange Algorithm With Binary Quadratic Forms To Design Complex Security Framework	Advances in Mathematics: Scientific Journal(SCOPUS)	Jan &2021	1857-8365	https://doi.org/10.37418/amsj.10.1.58
3	G.Sateesh	CSE	Learning Automata Based Energy Efficient And Reliable Data Delivery Routing Mechanism In Wireless Sensor Networks	Journal of King Saud University – Computer and Information Sciences(SCI)	April & 2021	https://doi.org/10.1016/j.jksuci.2021.04.006	https://doi.org/10.1016/j.jksuci.2021.04.006
4	G.Sateesh	CSE	An IOT Framework For Plant Monitoring In Urban Areas To Alleviate Global Warming	Journal of Xi'an University of Architecture & Technology(OTHERS)	2021	1006-7930	https://www.xajzkjdx.cn/gallery/45-jan2021.pdf
5	G.Sateesh	CSE	A Feature Based Sentiment Interpretation Using Machine Learning Techniques	Journal Of Xidian University(OTHERS)	2021	1001-2400	https://doi.org/10.37896/jxu15.5/064

6	G.Sateesh	CSE	Distortion Detection In The Images Based On SSIM	IJAEMA(UGC)	2021	0886-9367	http://www.ijae ma.com/
7	V.Suneetha	CSE	An Efficient Algorithm For Enhancing QOS In Vanet	Turkish Online Journal Of Qualitative Inquiry(SCOPUS)	June 2021	4420-4430	https://www.toj qi.net/index.php /journal/article/v iew/2071
8	K.Sadhana	CSE	Login And Information Retrieval System Through Face Recognition	IJAEM(OTHERS)	2021	2395-5252	10.35629/5252-45122323
9	B.Saritha	CSE	Soft Computing Approach To Enhance The Performance Of Aodv (Ad-Hoc On-Demand Distance Vector) Routing Protocol Using Active Route Timeout (ART) Parameter In Manets	Turkish Journal Of Computer And Mathematics Education(SCOPUS)	April 2021	3060 - 3068	https://doi.org/1 0.17762/turcom at.v12i2.2348
10	B.Saritha	CSE	A Feature Based Sentiment Interpretation Using Machine Learning Techniques	Journal Of Xidian University(OTHERS)	2021	1001-2400	https://doi.org/1 0.37896/jxu15.5 /064
11	P.Sangeeta	CSE	Soft Computing Approach To Enhance The Performance Of AODV (Ad-Hoc On-Demand	Turkish Journal Of Computer And Mathematics Education(SCOPUS)	April 2021	3060 - 3068	https://doi.org/1 0.17762/turcom at.v12i2.2348

			Distance Vector) Routing Protocol Using Active Route Timeout (ART) Parameter In Manets				
12	P.Sangeeta	CSE	A Feature Based Sentiment Interpretation Using Machine Learning Techniques	Journal Of Xidian University(OTHERS)	2021	1001-2400	https://doi.org/10.37896/jxu15.5/064
13	P J V G Prakasa Rao	CSE	Virtual Mouse Assistant	IJRDES(OTHERS)	2021	2582-4201	
14	S.Vinod Manikanta	CSE	Analyze Chest X-Ray Images To Detect Covid-19 Using CNN	IJRDES(OTHERS)	2021	2582-4201	
15	B.Padmaja	CSE	An Iot Framework For Plant Monitoring In Urban Areas To Alleviate Global Warming	Journal Of Xi'an University Of Architecture & Technology(OTHERS)	2021	1006-7930	https://www.xajzkjdx.cn/gallery/45-jan2021.pdf
16	V.Anji Reddy	CSE	An Iot Framework For Plant Monitoring In Urban Areas To Alleviate Global Warming	Journal Of Xi'an University Of Architecture & Technology (OTHERS)	2021	1006-7930	https://www.xajzkjdx.cn/gallery/45-jan2021.pdf