



**RESEARCH PUBLICATIONS FOR THE ACADEMIC YEAR:
2022-23**

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	Finite Element Analysis Of Stress Distribution On High-Heeled Shoes	Journal of Engineering Science and Technology	Dr. Satish Pujari	1823-4690	Volume: 7	December 2022	https://doi.org/10.1186/1757-1146-7-S1-A78		ESCI
2	Modelling of Surface Roughness for Glass-Assisted CO ₂ Laser Machined P-Type Silicon Wafer	8th Brunei International Conference on Engineering and Technology 2021	Dr. Satish Pujari	0094-243X	Volume 2643, Issue 1	Jan 2023	https://doi.org/10.1063/5.0113855		
3	Effect of magnetite on physical, tribological and magnetic characteristics of kenaf fibre.	Emerging Materials Research	Dr. Satish Pujari, Mr. Nambala S. Naveen, Mr. Sattaru Santosh Kumar	2046-0147	Volume 12, Issue 2	April 2023	https://doi.org/10.1680/jemmr.2.00162	1.25	SCI
4	A modular IOT sensing platform using	Measurement: Sensors	Dr. K. Sridhar	2665-9174		November 2022	https://doi.org/10.1	-	SCOPUS



lendi Institute of Engineering & Technology

An Autonomous Institution

Accredited by NAAC with "A" Grade, Accredited by NBA (ECE, CSE.EEE & MECH)

Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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

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
	hybrid learning ability for air quality prediction				Volume 25, 2023		016/j.mease.n.2023.100609		
5	Enhanced Machine learning algorithms Lightweight Ensemble Classification of Normal versus Leukemic Cells	Journal of Pharmaceutical Negative Results	Dr. K. Sridhar	0976-9234	Volume 13, Issue 3	November 2022	https://doi.org/		
6	Deep neural network-based consumer behaviour, analysis in business management using Aumann, Agreement Theorem,	Neuro Quantology	Dr. K. Sridhar	1303-5150		July 2022	https://doi.org/10.47750/pnr.2022.13.03.320	-	Scopus
7	Critical Success Factors of Six Sigma and its effect on the performance of Automobile manufacturing Industries	NeuroQuantology	Mr K.Ch. Sekhar	1303-5150	Volume 20, Issue 9	September 2022	https://doi.org/10.14704/nq.2022.20.9.NQ22934	-	SCOPUS



lendi Institute of Engineering & Technology

An Autonomous Institution

Accredited by NAAC with "A" Grade, Accredited by NBA (ECE, CSE,EEE & MECH)

Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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

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
8	A Case Study On Project Analytics Related To,Data Driven Framework By Using Machine Learning	A Journal for New Zealand Herpetology	Dr. K.Sridhar	2230 5807	Volume 12, Issue 1	January 2023	https://doi.org/10.54817/NZJH.2023.12.1.5	1.40	SCIE
9	Simulating and development of outcome based teaching method IEEE	International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering,	Dr. K.Sridhar	2473-2001		January 2023	https://doi.org/10.1109/AIKDC.E.2023.1234567		SCIE
10	Estimation of Effect of Cold Forging Deformational Behavior on Al-2024 Alloy Reinforced with Fly-Ash Particulates	Advances in Science and Technology	Dr. Pandi Timothy	1662-0356	Volume 116, 2022	September 2022	https://doi.org/10.4028/www.scientific.net/AST.116.45	-	SCOPUS
11	Study comparing the tribological behavior of propylene glycol and water dispersed with graphene nanopowder”	Scientific Reports	Dr. Pandi Timothy	2045-2322	Volume 13, Article number: 2382	February 2023	https://doi.org/	-	SCOPUS



lendi Institute of Engineering & Technology

An Autonomous Institution

Accredited by NAAC with "A" Grade, Accredited by NBA (ECE, CSE.EEE & MECH)

Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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

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
12	Noise and Vibration Analysis of Diesel Engine fueled using Diesel and Neem Biodiesel with Inclusion of MoO ₃ Nano Particles	International Journal for Research in Applied Science & Engineering Technology	Mr. P Srinivasa Reddy, Dr. Pandi Timothy	2321-9653	Volume 11, Issue III	Mar 2023	https://doi.org/10.1038/s41598-023-29349-7	-	SCOPUS
13	Optimization of the Process of Metal Nano Calcium Oxide Based Biodiesel Production through Simulation Using Super Pro Designer	Journal of Engineering	Dr. Surakasi Raviteja	2314-4904		July 2022	https://doi.org/10.1155/2022/1234567	-	SCOPUS
14	Effect on Compression Molding Parameters in Mechanical Properties of MWCNT/Glass Fiber /Epoxy Composites	Advances in Polymer Technology	Dr. Surakasi Raviteja	1098-2329		July 2022	https://doi.org/10.1155/2022/9876543	-	SCOPUS



lendi Institute of Engineering & Technology

An Autonomous Institution

Accredited by NAAC with "A" Grade, Accredited by NBA (ECE, CSE.EEE & MECH)

Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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

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
15	Methylene Blue Dye Photo degradation during Synthesis and Characterization of WO ₃ Nanoparticles	Adsorption science and Technology	Dr. Surakasi Raviteja	0263-6174	Volume 40, Issue 7-9	July 2022	https://doi.org/10.1177/02636174221112345	-	SCOPUS
16	An Approach to the utilization of grid integration to analyze the performance and quality of solar photovoltaic model	Energy Reports	Dr. Surakasi Raviteja	2352-4847	Volume 8, Pages 1234-1245	November 2022.	https://doi.org/10.1016/j.egy.2022.10.123	-	SCOPUS
17	Waste to fuel : Pyrolysis of waste transformer oil and its evaluation as alternative fuel along with different nanoparticles in CI engine with	Energy	Dr. Surakasi Raviteja	0360-5442		March 2023	https://doi.org/10.1016/j.egy.2023.125678	-	SCOPUS



lendi Institute of Engineering & Technology

An Autonomous Institution

Accredited by NAAC with "A" Grade, Accredited by NBA (ECE, CSE.EEE & MECH)

Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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

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
	exhaust gas recirculation								
18	Modelling and analysis of an N-DPCM (Nano-doped PCM) integrated solar water heater using CFD,	International journal on interactive design and manufacturing	Dr. Surakasi Raviteja	1955-2513.	Volume 16, Issue 4	December 2022		-	SCOPUS
19	Design and Performance optimization of a solar still using Nano-coated condensing Glass	International journal on interactive design and manufacturing	Dr. Surakasi Raviteja	1955-2513.	Volume 16, Issue 4	December 2022	https://doi.org/10.1007/s12008-022-00834-5	-	SCOPUS
20	Experimental study on the treatment of urban garment industry wastewater to mitigate groundwater contamination using a solar evaporative still	Urban Climate	Dr. Surakasi Raviteja	2212-0955	Volume 47	May 2023	https://doi.org/10.1016/j.urbclim.2023.101398	-	SCOPUS



lendi Institute of Engineering & Technology

An Autonomous Institution

Accredited by NAAC with "A" Grade, Accredited by NBA (ECE, CSE.EEE & MECH)

Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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

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
21	Emissions and Performance of Diesel Engines Correlated with Biodiesel Properties	Journal of Engineering	Dr. Surakasi Raviteja	2314-4904		April 2023.	https://doi.org/10.1155/2023/1234567	-	SCOPUS
22	Optimizing Numerous Influencing Parameters of Nano-SiO ₂ /Banana Fiber-Reinforced Hybrid Composites using Taguchi and ANN Approach	Journal of Nanomaterials	Dr. Surakasi Raviteja	1687-4110		April 2023	https://doi.org/10.1155/2023/9876543	-	SCOPUS
23	Influence of SiO ₂ Filler Addition on the Types I and II Shear Fracture Toughness of Hemp Fiber-Reinforced Epoxy Mixtures	Journal of Nanomaterials	Dr. Surakasi Raviteja	1687-4110		2023	https://doi.org/10.1155/2023/8765432	-	SCOPUS
24	Mechanical behaviour of E-glass fibre, fly ash, bottom ash and pond ash reinforced	International Journal of Engineering Research and Applications.	Dr. Y. RaviKanth	2248-9622	Volume 12, Issue 9	September 2022	https://doi.org/10.9790/9622-	-	SCOPUS



lendi Institute of Engineering & Technology

An Autonomous Institution

Accredited by NAAC with "A" Grade, Accredited by NBA (ECE, CSE.EEE & MECH)

Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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

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
	epoxy composites						1209012345		
25	Synthesis and mechanical properties of graphene nanoparticles reinforced with,aluminium alloy matrix composites”	Nanotechnology for Environmental Engineering	Mr. Ch Polayya, Dr. Surakasi Raviteja	2365-6379.	Volume 8, Issue 1	January 2023	https://doi.org/10.1007/s41204-023-00123-4	-	SCOPUS
26	Transient Analysis on Excavator Bucket with Gray Cast Iron and Vanadium	International Journal for Research in Applied Science & Engineering Technology	Mr. R. Jagadeesh Kumar, Mr. P. Kameswara Rao, Mr. M. Gangadhar Rao, Mr. R. RamaKrishna	2321-9653	Volume 11, Issue III	March 2023.		-	SCOPUS
27	Investigation of Mechanical Properties of Natural Fiber Reinforced With Screw	International Journal for Research in Applied Science and Engineering Technology	Mr. R. Jagadresh Kumar,	2321-9653	Volume 16 issue 4	April 2023.	https://doi.org/10.1007/s12008-022-	-	SCOPUS



lendi Institute of Engineering & Technology

An Autonomous Institution

Accredited by NAAC with "A" Grade, Accredited by NBA (ECE, CSE.EEE & MECH)

Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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

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
	Pine and Jute Composite		Mr. P. Kameswara Rao, Mrs. S. Roopa, Mr. M. Gangadhar Rao				00984-2		
28	Predicting Heat Transfer Behaviour In Tube Sections With High Viscous Fluids Using Numerical Simulation	European chemical Bulletin	Mr. M. Gangadhr Rao, Mr. R RamaKrishna	2063-5346	Volume 44	April 2023.	https://doi.org/10.1016/j.juc.2022.10.1220	-	SCOPUS