

L. D. College of Engineering, Ahmedabad
Research Paper Publications

Sr. No.	Dept.	Faculty Name	Paper Title, Name of the Journal /Conference, Publication Month, Publication Year	Link of the Paper
1	Applied Mechanics	Prof. A. G. Hansora	Flexibility Matrix and Stiffness Matrix of 3D Curved Beam with Varying Curvature and Varying Cross-Sectional Area using Finite Displacement Transfer Method, Journal of Computational Applied Mechanics, Sept, 2023	https://jcamech.ut.ac.ir/article_93830.html
2	Applied Mechanics	Dr. M. V. Shah	Microbial-assisted extraction of bentonite from waste drilling fluid: A sustainable approach for waste management, Biocatalysis & Agricultural Biotechnology' (Elsevier Pub), Aug, 2023	https://doi.org/10.1016/j.bcab.2023.102773
3	Applied Mechanics	Dr. P. I. Modi	Development of novel un-fired masonry unit manufactured using silica-rich sandstone mining and cutting waste, JOURNAL of Building Engineering, November, 2023	https://doi.org/10.1016/j.jobe.2023.107896
4	Applied Mechanics	Dr. P. I. Modi	Critical review on substitution of natural ingredients with the dimensional stone cutting waste in making of building products, ITEGAM-JETIA, February, 2024	https://doi.org/10.5935/jetia.v10i45.945
5	Applied Mechanics	Dr. P. I. Modi	Investigating the potential of dimensional sandstone waste used as a 50% replacement to sand in mortar for masonry, Innovative Infrastructure Solutions , May, 2024	https://doi.org/10.1007/s41062-024-01438-0
6	Applied Mechanics	Dr. Y. J. Chauhan	Feasibility Study of Offshore Triceratops-Supported Floating Offshore Wind Turbine, Journal of The Institution of Engineers (India): Series A, Springer, April, 2024	https://doi.org/10.1007/s40030-024-00800-w
7	Applied Mechanics	Dr. Y. J. Chauhan	Seismic Response of Multi-span Suspension Bridge under Multi-Support Excitation , , June, 2024	https://doi.org/10.21203/rs.3.rs-4530813/v1
8	Applied Mechanics	Prof. K. A. Parmar	Performance Study for Alternative Arrangement of Steel and RCC Outrigger Structural System in Tall Structures , , March, 2024	ISSN (online): 2321-0613
9	Applied Mechanics	Prof. D. H. Raval	Time History Analysis of Hybrid-Outrigger System in Tall Buildings , , May, 2024	2321-0613
10	Applied Mechanics	Prof. D. H. Raval	Parametric Study of Elevated Water Tank with Metallic and Friction Damper , , July, 2023	2395-0056
11	Applied Mechanics	Prof. D. H. Raval	SEISMIC ANALYSIS OF HYBRID STRUCTURAL CONTROL SYSTEM IN RC BUILDING , , July, 2023	2395-0056
12	Applied Mechanics	Prof. A. G. Hansora	Parametric Study on Behaviour of RCC Flat Slab with Drop Panel and Without Drop Panel Subjected to Sudden Column Removal , , Nov, 2023	ISSN(O)-2456-2165
13	Applied Mechanics	Prof. A. G. Hansora	Comparative Analysis of Diagrid Structures of Varying Diagrid Angles with Open and Closed Section Shear Walls , , March, 2024	ISSN (online): 2321-0613
14	Applied Mechanics	Prof. A. G. Hansora	A Review on Braced-Tube Structural System for Tall Building , , March, 2024	ISSN (online): 2321-0613

15	Applied Mechanics	Prof. P. H. Andharia	Parametric study on seismic performance of long span cable stayed bridge with different April pylon shape, , April, 2024	e-ISSN : 2582-5208
16	Sciences and Humanities	Darshana A Patel	THREE POROUS LAYERED FERROFLUID SQUEEZE FILM WITH A CONVEX PAD STATOR UNDER SLIP AND SQUEEZE VELOCITY EFFECTS, Computer integrated Manufacturing systems, August, 2023	https://cims-journal.net/index.php/CN/article/view/175/166
17	Sciences and Humanities	Dr Apexa B Dharankar	"Echoes of Tragedy: A Comparative Examination of Themes and Motifs in Hamlet and Haider", Educational Administration: Theory and Practice,, December, 2023	Educational Administration: Theory and Practice,
18	Sciences and Humanities	Dr Apexa B Dharankar	"Bridging cultures: The transformative effect of translation on global literary landscapes", Rabindra Bharati Patrika Journal, June, 2024	Print only
19	Sciences and Humanities	Dr Yogita R Sharma	Spectroscopic screening and performance parameters of hybrid perovskite (CH ₃ CH ₂ PH ₃ PbI ₃) using WIEN2k and SCAPS-1d , Spectroscopic screening and performance parameters of hybrid perovskite (CH ₃ CH ₂ PH ₃ PbI ₃) using WIEN2k and SCAPS-1d , February, 2024, 2024	www.elsevier.com/locate/physb
20	Sciences and Humanities	Dr. Brijesh Kumar A. Tripathi	Flat-Parallel Minkowski Space and β -Change with (α, β) -Metric, Journal of Mathematics, May, 2024	https://doi.org/10.1155/2024/4122492
21	Sciences and Humanities	Dr. Brijesh Kumar A. Tripathi	FINSLERIAN HYPERSURFACES OF A FINSLER SPACE WITH SPECIAL GENERALIZED (α, β) -METRIC, Palestine Journal of Mathematics, October, 2023	https://pjm.ppu.edu/sites/default/files/papers/PJM_12
22	Sciences and Humanities	Darshana A Patel	JENKINS FERROFLUID FLOW LUBRICATION OF A SQUEEZE FILM BETWEEN A SPHERE AND A FLAT POROUS PLATE BASED ON POROSITY AND SLIP VELOCITY, Computer Integrated Manufacturing Systems, July, 2023	https://cims-journal.net/index.php/CN/article/view/175
25	Automobile	Vimal R. Patel	Optimizing CI Engine Ethanol Fuel Induction Techniques using the AHP-PROMETHEE II Hybrid Decision Model, Current World Environment, November, 2023	http://dx.doi.org/10.12944/CWE.18.3.12
26	Automobile	Vimal R. Patel	Optimizing Fuel Savings in Articulated Tractor-Trailer with Aerodynamic Venturi Passage Combinations, International Research Journal of Engineering and Technology, February, 2024	https://www.irjet.net/archives/V11/i2/IRJET-V11i2114.pdf
27	Automobile	Mazar A. Shaikh	Optimizing CI Engine Ethanol Fuel Induction Techniques using the AHP-PROMETHEE II Hybrid Decision Model, Current World Environment, November, 2023	http://dx.doi.org/10.12944/CWE.18.3.12
28	Biomedical Engineering	Utkarsh Vinodchandra Pancholi	Analysis of electric field strengths and focality for healthy and neurologically impaired subjects upon multiple tDCS stimulation protocols, Research on Biomedical Engineering, November, 2023	https://link.springer.com/article/10.1007/s42600-023-00322-7
29	Biomedical Engineering	Utkarsh Vinodchandra Pancholi	Polarity-specific changes in the E-field and focality in mild cognitive impairment patients for HD-tDCS and reverse HD-tDCS, Biomedical Research and Therapy, February, 2024	https://bmrat.biomedpress.org/index.php/BMRAT/article/view/867
30	Biomedical Engineering	Prof. Harshal B. Patel	Sensors for Falls and Fall Detection Techniques: From the past to the future, Journal of Integrated Science & Technology, July, 2023	https://pubs.thesciencein.org/journal/index.php/jist/article/view/a575

31	Biomedical Engineering	Prof. Harshal B. Patel	Smart Stethoscope for Remote Healthcare Monitoring Using IoT: A Cost-Effective Solution, 2023 3rd Asian Conference on Innovation in Technology (ASIANCON), August, 2023	https://ieeexplore.ieee.org/document/10270283
32	Biomedical Engineering	BHAVIN MEHTA	Smart Stethoscope for Remote Healthcare Monitoring Using IoT: A Cost-Effective Solution, 3rd Asian Conference on Innovation in Technology (ASIANCON), AUGUST , 2023	https://ieeexplore.ieee.org/xpl/conhome/10269797/proceeding
33	Chemical	Anjali Bishnoi	Cholapod and Cholaphanes for Recognition of Anions, Current Organic Chemistry , November , 2023	10.2174/0113852728272205231122055645
34	Chemical	Dr. P. H. Rana	Effect of Coconut Fiber as an Inert Media on Hybrid Upflow Anaerobic Sludge Blanket Reactor, Journal of Environmental Engineering, ASCE, June, 2023	https://doi.org/10.1061/JOEEDU.EEENG-7325
35	Chemical	Dr. P. H. Rana	Effect of tunable acidic properties on the selectivity of biofuel candidate 2,5-bis (propoxymethyl)furan (BPMF) using Sn-H ₂ and Sn-dAlH ₂ catalysts, Biofuels, Bioproducts and Biorefining, January, 2024	DOI:10.1002/bbb.2580
36	Chemical	Dharmendra D Mandaliya	A Green's Function Method based approach for effectiveness factor evaluation in two-dimensional spherical catalyst geometries with non-linear kinetics and partial wetting, Chemical Engineering Science, July, 2023	https://www.sciencedirect.com/science/article/abs/pii/S0009250923002701
37	Chemical	Ronak Patel	Preparation, stabilization, and thermal characterization of CuO/water nanofluids applicable to domestic solar water heater, MaterialsToday:Proceedings, May, 2023	https://doi.org/10.1016/j.matpr.2023.05.053
38	Chemical	Ronak Patel	Consequence modeling, analysis and emergency response planning for ammonia (NH ₃) releases in urea manufacturing unit using ALOHA, AIP Conference Proceedings, December, 2023	https://doi.org/10.1063/5.0168273
40	Civil Engineering	ZARNA J CHOVIYA	Visualization of SWAT Outputs using SWAT Output viewer, HYDRO -2023(HYDRO 2023 INTERNATIONAL 28th International Conference on Hydraulics, Water Resources, River and Coastal Engineering), DECEMBER, 2023	HYDRO 2023 PROCEEDINGS
41	Civil Engineering	Dr. Zalakkumar R. Chhaya	Experimental Work on Tin Cans to Study Behavior of Thin Shell Cylindrical Tanks Under Axial Compression, International Journal of Engineering Research & Technology (IJERT) IJERT, August , 2023	https://www.ijert.org/experimental-work-on-tin-cans-to-study-behavior-of-thin-shell-cylindrical-tanks-under-axial-compression
42	Civil Engineering	Dr. Zalakkumar Chhaya	Design Perspectives of the Structural Modes for Ground Liquid Storage Steel Tanks, Structural Engineering Convention 2023, May , 2024	https://link.springer.com/chapter/10.1007/978-981-99-9625-4_4
43	Civil Engineering	Prof A M Mirza	A State-of-Art Review on Recognition of Groundwater Potential Regions, Journal of Technology, March, 2024	https://drive.google.com/file/d/1UL0gSg1GkIXFrWEj7EJqVZOIldT2q/view?usp=sharing
50	Computer Engineering	Kalpesh M Patel	Aspect Based Sentiment Analysis Using Self-Attention Based LSTM Model with Word Embedding, Journal of Computer Science, September, 2023	https://thescipub.com/abstract/jcssp.2024.1195.1202
51	Computer Engineering	Kalpesh M Patel	Feature Selection using Functional Dependency (FSFD), Tuijin Jishu/Journal of Propulsion Technology, August, 2023	https://www.propulsiontechjournal.com/index.php/journal/article/view/3082
52	Computer Engineering	Archana Gondalia	Enhancing Network Security with Machine	https://link.springer.com/chapter/10.1007/
53	Computer Engineering	Archana Gondalia	Architecture Based Classification for Intrusion	https://link.springer.com/chapter/10.1007/
54	Computer Engineering	Prof. Amita Shah	LSA: A LIGHTWEIGHT SYMMETRIC	https://www.gnedenko.net/Journal/
55	Computer Engineering	Prof. Amita Shah	ENHANCING SECURITY IN IOT DEVICES: A	https://www.gnedenko.net/Journal/
56	Computer Engineering	Reshma Dayma	Machine Learning Algorithms as a Boon for	https://doi.org/10.52783/jes.2977
57	EC	Reena K.Panchal	Advancements and Challenges in Narrowband	https://journal.esrgroups.org/jes/article/view

58	EC	Ami Gandhi	Machine Learning-Based Optimization For	https://nano-
59	EC	ANILKUMAR J	Comparative analysis of meta heuristics	https://beei.org/index.php/EEI/article/view/
60	EC	PANKAJ P	Comparative analysis of meta heuristics	https://beei.org/index.php/EEI/article/view/
61	EC	Madhusmita	Slotted Dielectric Resonator Antenna for the	https://doi.org/10.1007/s11277-023-10311-
62	EC	Dr. C.H. Vithalani	IoT-based Health Monitoring of Sports	https://philjournalsci.dost.gov.ph/?s=oT-
63	EC	Dr. C.H. Vithalani	Analysis Of Vedic Shaped Microstrip Patch	https://doi.org/10.53555/kuey.v30i6(S).535
64	EC	Dr. Nirali kotak	Investigation and measurement of square	10.1088/1402-4896/ad3bf0
65	EC	Dr. Nirali kotak	An Analysis of Cache Configuration's Impacts on the Mic Rate of Big Data Applications	https://doi.org/10.2298/SJEE2402217D
66	Electrical Engineering	Vihang M. Dholakiya	Frequency regulation in interconnected power system with DFIG participation under ABT-based various operating strategies, International Journal of Ambient Energy, November, 2023	https://doi.org/10.1080/01430750.2023.22773
67	Electrical Engineering	Vihang M. Dholakiya	Identification of an Appropriate Operating Strategy under ABT for Frequency Regulation in a Non-Linear Multisource Power System Linked Through a Hybrid AC/DC Tie-Line, Journal of Operation and Automation in Power, January, 2024	10.22098/joape.2024.12858.1977
68	Electrical Engineering	Vihang M. Dholakiya	Impact of ABT based control strategies on ALFC and AVR in DFIG-integrated interconnected power systems, e-Prime - Advances in Electrical Engineering, Electronics and Energy, June, 2024	https://doi.org/10.1016/j.prime.2024.100665
69	Electrical Engineering	B. G. Chaudhari	Application of DC-DC Converter for Grid Connected Inverter using PV Cell, Journal of Electrical Systems, Apr, 2024	https://doi.org/10.52783/jes.4097
70	Electrical Engineering	Dr. K. P. Badgujar	Understanding Frequency Response of Induction Motor Winding through Electromagnetic Wave Equations, Advances in Electrical and electronics Engineering, Sep, 2023	DOI: 10.15598/aeee.v21i3.5029
71	Electrical Engineering	Dr. K. P. Badgujar	Capacitive Cross-Phase Connection: A New Test Connection For SFRA Test, Transactions of the Indian National Academy of Engineering, Sep, 2023	https://doi.org/10.1007/s41403-023-00427-6
72	Electrical Engineering	L. K. Katariya, Dr. C. D. Upadhyay	RFID Sensing & Its DATA Analysis Using Micro-Controller For Vehicle Security & Its Tracking, Journal for ReAttach Therapy and Developmental Diversities, Aug, 2023	https://doi.org/10.53555/jrtdd.v6i1.2703
73	Electrical Engineering	V. M. Dholakiya, Dr. B. N. Suthar	Frequency regulation in interconnected power system with DFIG participation under ABT-based various operating strategies, International Journal of Ambient Energy, Nov, 2023	https://doi.org/10.1080/01430750.2023.2277307
74	Electrical Engineering	Dr. J. K. Chavda	A Comparative Study of Battery State of Charge Estimations using Equivalent circuit Model., Journal For Basic Sciences An UGC Care Group-II Approved Journal, Oct, 2023	DOI: 10.37896/JBSV23.10/2615
75	Electrical Engineering	V. M. Dholakiya, Mr. Bhavsar Tirth	Identification of an Appropriate Operating Strategy under ABT for Frequency Regulation in a Non-Linear Multisource Power System Linked Through a Hybrid AC/DC Tie-Line, Journal of Operation and Automation in Power Engineering (JOAPE), Jan, 2024	
76	Electrical Engineering	Hormaz Amrolia, Dr. K. P. Badgujar	An Overview of Techniques for Detecting Mechanical Anomalies in Induction Motors, Transactions of the Indian National Academy of Engineering, Jan, 2024	https://doi.org/10.1007/s41403-023-00446-3
77	Electrical Engineering	Dr. K. A. Bhatt	Controlled single-phase auto-reclosing technique for shunt reactor compensated lines in electrical energy systems transmission lines, International Journal of Ambient Energy, Jan, 2024	https://doi.org/10.1080/01430750.2024.2313129

78	Electrical Engineering	Dr. K. A. Bhatt, F. A. Macwan, Bhavesh R. Bhalja, U. L. Makwana, Ashutosh K. Giri, B. Chittibabu	Real-Time Implementation of Controlled Energization of Coupled Power Transformer Using Multi-Stepped PIR, Part-1, Journal of Institute of Engineers, Series B, Feb, 2024	https://doi.org/10.1007/s40031-023-00986-w
79	Electrical Engineering	Dr. K. A. Bhatt	Real-Time Implementation of Controlled Energization of Coupled Power Transformer Using Multi-Stepped PIR, Part-2, Journal of Institute of Engineers, Series B, Feb, 2024	https://doi.org/10.1007/s40031-024-01008-z
80	Electrical Engineering	S. M. Patel, M. I. Siddiqui, N. V. Sinha	Insight on the Application of Deep Learning-Based Thermal Image Processing Methods in Electrical System Anomaly Detection and their Comparative Analysis, SSRG International Journal of Electrical and Electronics Engineering, Apr, 2024	https://doi.org/10.14445/23488379/IJEEE-V11I4P126
81	Electrical Engineering	L. K. Katariya, Dr. V. K. Prajapati, R. J. Patel, Dr. C. D. Upadhyay	Statistical Comparative Study of FACTS Devices in PSS Improvement, Educational Administration: Theory and Practice, Apr, 2024	https://doi.org/10.53555/kuey.v30i4.1891
82	Electrical Engineering	Dr. J. K. Chavda	An efficient hybrid approach based design of photovoltaic fed grid integrated wireless electric vehicle battery charger, Optimal Control Applications Methods., Apr, 2024	https://doi.org/10.1002/oca.3137
83	Electrical Engineering	M. I. Siddiqui, D. R. Patel, S. M. Patel, V. M. Dholakiya	fed grid integrated wireless electric vehicle battery charger, Journal of Electrical Systems, May, 2024	https://doi.org/10.52783/jes.4014
84	Electrical Engineering	Dr. K. A. Bhatt, Ashesh M. Shah, Vishal Kumar Gaur	An Approach to Improve Power System Resiliency in Grid-Connected Wind Turbine Generator Power Systems, WSEAS Transactions on Circuits and Systems, Apr, 2024	https://doi.org/10.37394/23201.2024.23.8
85	Electrical Engineering	R. J. Patel, F. A. Macwan, Jayendra Patel	Performance Evaluation of SAPFs Using Space Vector-Based HCC Under Various Loading Conditions, Journal of Electrical Systems, Feb, 2024	https://doi.org/10.52783/jes.4981
86	Electrical Engineering	R. J. Patel, L. K. Katariya, Dr. Z. B. Parekh, Jayendra Patel	Development in HVDC Circuit Breaker - A Review, Journal of Electrical Systems, Feb, 2024	https://doi.org/10.52783/jes.4968
87	Electrical Engineering	M. G. Patel, Dr. M. C. Chudasama	A Review on Poles Demagnetization in Permanent Magnet Motors, Journal of Electrical Systems, Apr, 2024	https://doi.org/10.52783/jes.2978
88	Electrical Engineering	M. G. Patel, G. B. Buch, T. R. Patel	V/f control of Induction Motor by sine PWM control using Inverted Sine Carrier, Journal of Electrical Systems, Feb, 2024	https://doi.org/10.52783/jes.4227
89	Electrical Engineering	M. G. Patel, G. B. Buch, T. R. Patel	Effect of Pole Magnetic Material on the Performance of BLDC Motor for Electric Two-Wheeler Application, Journal of Electrical Systems, Feb, 2024	https://doi.org/10.52783/jes.4948
90	Electrical Engineering	M. N. Priyadarshi	Indirect Field Oriented Control of Induction Motor, Journal of Electrical Systems, Jun, 2024	https://doi.org/10.52783/jes.1793
91	Electrical Engineering	M. N. Priyadarshi	Metaheuristic Optimization Algorithms Comparison Adopted for the Profit Maximization of Electricity Market Participants, Journal of Electrical Systems, Jun, 2024	https://doi.org/10.52783/jes.2835
92	Electrical Engineering	B. G. Chaudhari, Tejal Chaudhari, Divyesh Parmar, Mittal Parmar	Simulation & Analysis of Multigrid HVDC System Using Statcom Device, Journal of Electrical Systems, Jun, 2024	https://doi.org/10.52783/jes.2884
93	Electrical Engineering	Dr. C. D. Upadhyay	State of Health Estimation of VRLA Batteries Using Vibration Tools., International Journal on Recent and Innovation Trends in Computing and Communication, Sep, 2023	https://ijritcc.org/index.php/ijritcc/article/view/10195

94	Electrical Engineering	S. M. Patel, Mahammadsoaib Saiyad	A Comparative Analysis of Speed Control of Switched Reluctance Motor (SRM) for Vehicular Applications, 3rd International Conference on Modelling, Simulation & Intelligent Computing (MoSiCom-2024), Dec, 2024	NA
95	Electrical Engineering	Dr. J. R. Iyer, Sagar Vegad	Performance analysis of Grid tied solar PV system with low voltage ride through control during grid disturbance, Fourth International conference on Advanced Engineering Optimization through Intelligent Techniques, Sep, 2023	NA
96	Electrical Engineering	S. M. Patel, Mahammadsoaib Saiyad	A MATLAB / Simulink Implementation of Closed Loop Speed Control of PMBLDC and PMSM Motors using Fuzzy Logic Controller for EV Applications, 6th International Conference, Information System and Management Science 2023, Dec, 2023	NA
97	Electrical Engineering	M. I. Siddiqui, M.Said A Sheikh	Bi-Orthogonal Wavelet Function Based Transmission Line Protection to Improve Grid Reliability, 3rd International Symposium on Sustainable Energy and Technological Advancement (ISSETA 2024), Feb, 2024	NA
98	Electrical Engineering	Dr. K. P. Badgujar, Hormaz Amrolia, & Santosh C Vora	Circuit Model Development for Induction Motor Windings using key phase value of frequency response., 6th Global Power, Energy and Communication Conference, GPECOM2024, Jun, 2024	Na
99	Environmental Engineering	Vishwa Shukla	A Fixed Bed Adsorption Column Study for Synthetic Dye Wastewater using Magnetic Biochar, Journal of Earth and Environmental Sciences Research, January, 2024	doi.org/10.47363/JEESR/2024(6)210
100	Environmental Engineering	Vishwa Shukla	VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS FROM IDENTIFIED INDUSTRIAL SECTOR OF ANKLESHWAR, INDIA, Journal of Industrial Pollution Control, September, 2023	10.4172/0970-2083.39.03.004
101	Environmental Engineering	Bina Patel	Assessment of particulate matters from vehicular emission using operational street pollution model at Panjrapole, Ahmedabad (India), Research Journal of Chemistry and Environment, August, 2023	https://doi.org/10.25303/2708rice066075
102	IC Engineering	Dr. Ankit K. Shah	Design and implementation of low power FPGA-based optimal multiband filter with Spline function for denoising ECG signals, Computer Methods in Biomechanics and Biomedical Engineering, December, 2023	doi.org/10.1080/10255842.2023.2285721
103	IC Engineering	H. K. Shastri	Cost Effective Solution for Monitoring and Controlling of Micro to Mini Scale Urban Farms Using Robotics and Image Processing, 2023 International Conference on Integration of Computational Intelligent System (ICICIS), November, 2023	DOI: 10.1109/ICICIS56802.2023.10430249
104	IC Engineering	H. K. Shastri	Recent Advancement and Future Prospects of Plasma Technology for the Quality and Quantity Enhancement of Agricultural Production., SAARC Journal of Agriculture, January, 2024	DOI:10.3329/sja.v22i2.73858
105	IC Engineering	Dr. V. H. Trivedi	Recent Advancement and Future Prospects of Plasma Technology for the Quality and Quantity Enhancement of Agricultural Production., SAARC Journal of Agriculture, January, 2024	DOI 10.3329/sja.v22i2.73858

106	IC Engineering	Prof. L.S.Patel	Level measurement and control using single digital camera based on image processing in Matlab, Educational Administration: Theory and Practice, May, 2024	https://kuev.net/index.php/kuev/article/view/3603
108	Information Technology	Dr. Shital Solanki	Wheat Seed Classification Using Gurobi Optimized Piecewise Linear Approximation-Based SVM, Springer Nature, April, 2024	https://doi.org/10.1007/978-981-97-0327-2_30
109	Information Technology	Dr. Shital Solanki	A Review on Phishing URL detection using various learning techniques, ISTE Conference on "Global Exigencies for Smart & Sustainable Technologies, May, 2023	Proceedings of ISTE Gujarat State Annual Faculty Convention & Conference on "Global Exigencies for Smart & Sustainable Technologies
110	Information Technology	Pradip Patel	Dynamic Hand Gesture Recognition for Indian Sign Language using Integrated CNN-LSTM Architecture, International Journal of Next-Generation Computing, November, 2023	https://doi.org/10.47164/ijngc.v14i4.1039
111	Information Technology	Patel Madhuri Jayantilal	Navigating the roadmap of intelligent transport in Indian smart cities, International Conference on Artificial Intelligence, Advanced Materials and Mechatronics Systems (AIAMMS-2023), May, 2024	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003502470-7/navigating-roadmap-intelligent-transport-indian-smart-cities-madhuri-patel-samir-patel-debabrata-swain-rajeev-gupta
112	Information Technology	Patel Madhuri Jayantilal	Unleashing the Potential of Boosting Techniques to Optimize Station-Pairs Passenger Flow Forecasting, Procedia Computer Science, April, 2024	https://doi.org/10.1016/j.procs.2024.04.004
113	Information Technology	Dr. Kuntesh K Jani	Seasonal analysis of meteorological parameters and air pollutant concentrations in Kolkata: An evaluation of their relationship, Journal of Cleaner Production, January, 2024	https://www.sciencedirect.com/science/article/pii/S0959652623046723
114	Information Technology	Dr. Kuntesh K Jani	Enhancing monkeypox detection through data analytics: a comparative study of machine and deep learning techniques, Advances in Engineering and Intelligence Systems, December , 2023	https://aeis.biljipub.com/article_186525.html
115	Information Technology	Dr. Kuntesh K Jani	Nested U-Net-based polyp segmentation for accurate diagnosis of Colorectal Cancer, 2023 IEEE Asia-Pacific Conference on Computer Science and Data Engineering (CSDE), December , 2023	https://ieeexplore.ieee.org/abstract/document/10487742/
116	Information Technology	Dr. Kuntesh K Jani	Plant pathology detection for massive heterogeneous data using deep learning, 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), July, 2023	https://ieeexplore.ieee.org/abstract/document/10307170/
117	Information Technology	Dr. Kuntesh K Jani	Framework for the restoration of capsule endoscopy images using partial differential equations-based filter, IETE Journal of Research, May, 2023	https://www.tandfonline.com/doi/abs/10.1080/03772063.2021.1878941
118	Information Technology	Mehul C Parikh	Estimation of uncertainty in Brain Tumor segmentation using modified multistage 3D-UNet on multimodal MRI images, Journal of Integrated Science and Technology, Feb, 2024	https://doi.org/10.62110/sciencein.iist.2024.v12.802
119	Mechanical	Mrunalkumar Chaudhari	Optimization of GTAW process parameters for deposition of nickel-based hardfacing alloy using Taguchi method, Welding in the World, May, 2023	https://doi.org/10.1007/s40194-023-01540-4
120	Mechanical	Mrunalkumar Chaudhari	Comprehensive Investigation of Hastelloy C-22 Powder Weld Overlay on SA 240 Type 316L Using Laser Beam Welding for Enhanced Performance, Journal of Manufacturing and Materials Processing, November, 2023	https://doi.org/10.3390/jmmp7060207

121	Mechanical	Mrunalkumar Chaudhari	Performance optimization and investigation of metal-cored filler wires for high-strength steel during gas metal arc welding, High Temperature Materials and Processes, December, 2023	https://doi.org/10.1515/htmp-2022-0305
122	Mechanical	Mrunalkumar Chaudhari	Importance of high strength steels and their welding in petrochemical industries, AIP Conference Proceedings, January, 2024	https://doi.org/10.1063/5.0184275
123	Mechanical	Dhaval K Patel	A Comprehensive Technical Research Review On Formability Evaluation And Enhancement Techniques For Single Point Incremental Forming (Spif) Process, Nanotechnology Perceptions, December, 2023	https://nanontp.com/index.php/nano/article/view/5489
124	Mechanical	Dhaval K Patel	Surface Engineering and Thermal Spray Coatings: Processes, African Journal of Biomedical Research, May , 2024	https://doi.org/10.53555/AJBR.v27i2.7374
125	Mechanical	Dr Komal G Dave	Dr. Komal G. Dave Optimization of process parameters of ultrasonic metal welding for multi layers foil of AL8011 material, Welding International, March 2023, 2023	https://scholar.google.com/scholar?oi=bibs&cluster=10560251182783159925&btnI=1&hl=en
126	Mechanical	Dr Komal G Dave	Compacted graphite iron mass production challenges using traditional foundry practices, Industrial Engineering Journal, June , 2023	https://www.researchgate.net/profile/Mamta-Patel-4/publication/376271070_COMPACTED_GRAPHITE_IRON_MASS_PRODUCTION_CHALLENGES_USING_TRADITIONAL_FOUNDRY_PRACTICES/links/65717a868bc17b23f357bb81/COMPACTED-GRAPHITE-IRON-MASS-PRODUCTION-CHALLENGES-USING-TRADITIONAL-FOUNDRY-PRACTICES.pdf
127	Mechanical	Dr Komal G Dave	Assessment of Compacted Graphite Iron Viability for Cost-Effective Product Designing, Journal of The Institution of Engineers (India): Series D, April , 2024	https://scholar.google.com/scholar?oi=bibs&cluster=386241856880229901&btnI=1&hl=en&authuser=1
128	Mechanical	S J Doshi	Progress in the welding of AL alloy thin sheet and future prospectus for automobile, Journal of Engineering and Technology for Industrial Applications, April, 2024	https://itegam-jetia.org/journal/index.php/jetia/article/view/1080/603
129	Mechanical	S J DOSHI	Inclusive Module to Foster SMEs for Defect Identification in Sand Casting, SSRG International Journal of Mechanical Engineering, June, 2024	https://www.internationaljournalssrg.org/IJME/2024/Volume11-Issue6/IJME-V11I6P111.pdf
130	Mechanical	Dr.S.B.SHAH	Optimization of process Parameters of ultrasonic welding of multi layer foils of Al-8011 material, Welding international-Tailor and Francis, April, 2023	https://www.tandfonline.com/doi/full/10.1080/09507116.2023.2192373
131	Mechanical	Kamleshkumar Pansal	Experimental Investigation of Newly Developed Evacuated Tube Collector Coupled Double Basin Solar still with heat storage material , Indian Journal of Natural Science, October , 2023	https://tnsroindia.org.in/journals.html
132	Mechanical	Dr. K.S.Vaghosi	Progress in the welding of AL alloy thin sheet and future prospectus for automobile, ITEGAM-JETIA, April, 2024	https://doi.org/10.5935/jetia.v10i46.1080
133	Mechanical	PROF. ALPESH V MEHTA	'OPTIMIZING OUTPUT: A CRITICAL ANALYSIS OF STRATEGIES TO IMPROVE FLAT PLATE SOLAR THERMAL COLLECTOR PERFORMANCE', 2nd International Conference on "Green Technologies for Sustainable Development-2.0", MARCH, 2024	https://qtsdddu.org/images/Final%20Souvenir%20Book_GTSD%20Website%20Upload.pdf

134	Mechanical	PROF. ALPESH V MEHTA	FROM TRASH TO TREASURE: A CRITICAL REVIEW OF WASTE-TO-ENERGY TECHNOLOGIES FOR SOLID WASTE UTILIZATION, 2nd International Conference on "Green Technologies for Sustainable Development-2.0", MARCH, 2024	https://gtsdddu.org/images/Final%20Souvenir%20Book_GTSD%20Website%20Upload.pdf
135	Mechanical	Dr. Dipesh B. Trivedi	Microstructural Analysis and Integrity of Drilling Surfaces on Titanium Alloy (Ti-6Al-4V) Using Heat-Sink-Based Cryogenic Cooling, Springer Journal of Metallography, Microstructure, and Analysis, September, 2023	https://link.springer.com/article/10.1007/s13632-023-00999-3
136	Mechanical	Mayur M Makwana	Surface Engineering and Thermal Spray Coatings: Processes, Benefits, and Applications on SS304 Substrate, African Journal of Biomedical Research, May, 2024	https://africanjournalofbiomedicalresearch.com/index.php/AJBR/article/view/7374
137	Mechanical	Mayur M Makwana	A Comprehensive Technical Research Review On Formability Evaluation And Enhancement Techniques For Single Point Incremental Forming (Spif) Process, Nanotechnology Perceptions, December, 2023	https://nanontp.com/index.php/nano/article/view/5489
139	Textile Technology	Dr. D. V. Bihola	Critical Review on Effect of Machine, Material and Splice Parameters on Quality of Splice, TEXCON-2024, 7th National Conference on "Fashion, Product Design and Technology-Challenges and Opportunities, March, 2024	NA
140	Textile Technology	Dr. D. V. Bihola	Comprehensive Review on Fabric Assistance and Related Parameters for Woven Fabric, TEXCON-2024, 7th National Conference on "Fashion, Product Design and Technology-Challenges and Opportunities" , March , 2024	NA
141	Textile Technology	Dr. D. V. Bihola	Analyzing the sewing thread count effect on Seam strength of Protective work-wear fabric, TEXCON-2024, 7th National Conference on "Fashion, Product Design and Technology-Challenges and Opportunities" , March, 2024	NA
142	Textile Technology	Dr. S. K. Parmar	Critical Review on Effect of Machine, Material and Splice Parameters on Quality of Splice, TEXCON-2024, 7th National Conference on "Fashion, Product Design and Technology-Challenges and Opportunities, March, 2024	NA
143	Textile Technology	Dr. S. K. Parmar	Comprehensive Review on Fabric Assistance and Related Parameters for Woven Fabric, TEXCON-2024, 7th National Conference on "Fashion, Product Design and Technology-Challenges and Opportunities, March , 2024	NA