

Paper ID	Paper Title	Corresponding Author	
2	Computational and Experimental Analysis of Spherical Five Hole Flow Analyzer for Subsonic Wind	Akhila Rupesh	
3	Development of Electro-Pneumatic hybrid Vehicle using ANSYS	Dr. Palani S	
5	Design And Analysis Of Road Marking Paint Machine On CAD/CAM Software	Vyankatesh Naidu	
6	A Literature Review on Application of Lean Manufacturing Techniques.	SushilMishra	
8	Bio-Inspired Design of Octafilar, Hexafilar & Quadrifilar Helical Springs	Prem Sangam Mishra	
11	Performance Optimization of an Exhaust System for 4 Cylinder Engine by Implementation of Computational Fluid Dynamics, Acoustic and Thermal Analysis	Mohammed Aiyan Ali Khan	
15	RESEARCH AND DESIGN OF PACKAGING OF FRUITS IN INDIA: A CONSUMER'S PERSPECTIVE	Arunachalam. M	
22	Design & Performance Analysis of Centrifugal Pump Impeller with multiple blades using different angles	V. Rakesh	
23	Parametric Appraisal of Mahua Bio-Diesel Powered Compression Ignition Engine to Improve Performance Characteristics by RSM coupled WASPAS- Simulated Annealing and Genetic Algorithm	Dr. Dilip K Bagal	
24	Parametric Optimization of Resistance Spot Welded Dissimilar Metals Utilizing Advanced Hybrid Taguchi-MARCOS Method	Dr. Dilip K Bagal	
25	Comparative Study Based on Static and Modal Analysis of Existing Motorcycle Rear Sprocket's Material with Metal Matrix Composite Using FEA	Dr. Dilip K Bagal	
27	Generic classification and automatic extraction of mechanical interlocking features from CAD model	Dr. Shantanu Kumar Das	
28	Design and Analysis of Intake Manifold and Investigation of Charge Motion in CI Engine	Deepankumar S	
30	Finding Initial Solutions to Very Large-scale Open Vehicle Routing Problem	Bapi Raju Vangipurapu	
36	Design and Development of Seed Drill Attachment to Tractor Drawn Cultivator	ARUN KUMAR K	
40	DESIGN AND ANALYSIS OF AUTOMOBILE WHEEL	SAI SREE	
41	Characterization of Glass Fiber Reinforced Polymer Composite for Sandwich Structures	RAJ KISHOR DAS	
42	Analyzing Wear Characteristics of Stir Cast Al 5052/ Al2O3/Gr Hybrid Composite	B.Rajeswari	
44	Employing Deep Multilayer Perceptron (MLP) and PCA for Covid-19 Recognition Using Chest-ECG and X- Ray Images	Anurag Sinha	
47	Design and Fabrication of Vehicle Rollover Prevention System by Counter Steering Mechanism	Deepankumar S	
48	Defect Feature Detection in Railtracks using Ultrasonic Guided Waves	A HARI KISHAN	
49	Real Time Detection and Control of faults in Continuous Stirred Tank Reactor	Dharani P	
50	The Application of TOPSIS Method for Optimi-zation of Machining Parameters during Hard Turning of H13 Tool Steel	Dr. Kalyan Chakraborty	
51	Characterizing the Surface Roughness of Milled Surfaces using Speckle Image-based Surface Roughness Parameter	Dr. J. Mahashar Ali	
53	HEAT PIPE DEVELOPMENT, TESTING, AND VALIDATION	A HARI KISHAN	
55	Experimental Investigation Towards Enhancement of Catalytic Converter by Modifying the Elements of Honey-Comb Section	Mr. Saravanan B	
56	Design and Analysis on Interference Effects of Internal Cooling Air Flow on Car Bonnet Scoop	Balamurugan R	
57	Simulation and Analysis of Quarter Car Model for Low-Cost Suspension Test Rig	Sudhir Kumar V	
58	Simulation of an Industrial Robot using RobotStudio and RoKiSim	Amit Talli	
59	Preparation and Characterization of eggshell particulate pellet: As a future prospect for wastewater treatment	Dr. Manoj Panchal	

61	Optimization of Process Parameters for Tribological Behaviour of AA7075+WC Metal Matrix Composite using ANOVA	Y. Phaneendra	
63	Analytical Hierarchy Process Strategy for Assessment of Overall Equipment Effectiveness	Dr. Dillip Kumar Biswal	
67	Piezoelectric Power Generation from Tyres	Asit Kumar Meher	
68	Investigations on performance parameters of carbureted butanol and plastic oil	B.TarajiNaik	
69	Experimentation for a better magnetic force microscopy probe	P H J VENKATESH	
70	Numerical evaluation of temperature distribution and Stresses in resistance spot welding	K LEELA KUMAR	
71	Firefly Algorithm established Economic Load Dispatch with loss coefficients	Dr B Venkateswara Rao	
72	PSO Based Short Term Hydro, Thermal and Wind Plants Scheduling: In view of Emission Factor	Dr B Venkateswara Rao	
73	Design and Analysis of Valve gear Mechanism	Y.Phaneendra,	
74	The Experimental investigation of thermal conductivity of aluminum metal matrix composites	P H J VENKATESH	
75	Product Design intervention in House-hold water consumption through Circular Economy	Sangeeta Pandit	
77	Plant Layout Improvement using CRAFT: A Case of Food Packaging Unit	Dr Kamalakanta Muduli	
78	Crop-Field Monitoring and Automated Irrigation System Based on IoT	Raj Gaurang Tiwari	
79	Accelerating the Deployment of observant Energy Efficient Lighting System for Smart Cities	Raj Gaurang Tiwari	
80	Fabrication and testing of ladder climbing robot	Saikumar Amda	
81	A Review on Tolerance Analysis Approaches in Mechanical Assemblies	Saikumar Amda	
83	Multi-Objective Design Optimization of EV Battery Tray	Anand Amrit	
83	Multi-Objective Design Optimization of EV Battery Tray	Anand Amrit	
84	Performance of automobile engine radiator by using nano fluids on variable compression diesel engine	K LEELA KUMAR	
85	Control of Humanoid Robots using Random Forest Method Survey of Various AI Techniques	Abhishek Kumar Kashyap	
86	OPTIMIZATION OF CATHODIC PROTECTION DESIGN FOR OIL AND GAS SYSTEM	Aezeden Mohamed	
87	Path based navigation using fuzzy-genetic-gravitational algorithm in a cluttered workspace using static obstacles.	Suranjan Mohanty	
88	Mobile robot path planning using neuro-sugeno-fuzzy gravitational technique in a cluttered environment.	Suranjan Mohanty	
89	Selection of Optimal Process Parameters for Electric Discharge Machining of 13/8 PH steel using Genetic Algorithm	Dr. Sameer MD	
90	Influence of Mechanical Vibrations on Impact-Strength of 1018 Mild-Steel Butt-Weld-Joints	Bade Venkata Suresh	
91	Designing an Experience for Conducting Online Exams, Evaluation and Feedback	Jaison K Thomas	
92	Clubhouse – A UX/UI Case Study on the Audio Social App	Vishnu M	
93	Gravity Search Algorithm-Based Path Planning of Single Humanoid Based on The Study of Different Artificial Intelligence Techniques.	Vikas	
94	Numerical Analysis for Crossbar Wind Noise Prediction and Minimization	Anand Amrit	
94	Numerical Analysis for Crossbar Wind Noise Prediction and Minimization	Anand Amrit	
95	An alternative for transshipment cost using R programming based on cost deviation	Ramya Namani	
96	Intelligence in Analyzing Obstacles and Their Strategic Responses To Initialize Knowledge Sharing In Infrastructure Companies	Dhruv Sachdeva	
97	Vibratory Assisted Welding: A REVIEW	Muvvala Chinnam Naidu	
98	Finite Element analysis of gas turbine blade	R RUDRABHI RAMU	
99	Ferromagnetic Climbing Mechanism for Industrial Inspection Robot	Peter Oyekola	

101	Modelling and analysis of compressor suction knock-out drum	Gangadhar Budireddi	
102	Surface Treatment and Artificial Intelligence in Manufacturing Corrosion Resistance Alloys	Aezeden Mohamed	
103	Simulation and Analysis of Full Car Model for various Road Profile using Matlab/Simulink Model	Gangadhar Budireddi	
104	A Brief Review on ANN Approach towards Physicochemical Properties of Biodiesel	Mr. Gaurav Jain	
105	DEMATEL approach to prioritizing the critical factors of PAT affecting manufacturing system	Vikram Singh	
106	Deep-Drilling of SS-316L on Orbital EDM with Copper Electrode Tube	Anoop Aggarwal	
108	Design and Fabrication of Regenerative Roller Braking System	Dr Mallapuram Bala Chennaiah	
110	Analysis of secondary tasks performed and psychosocial factors of railway loco pilots	Suyash Krishna	
111	A Review of Routing Algorithms for Intelligent Route Planning and Path Optimization in Road Navigation	Noopur Tyagi	
113	Development of sensor based Automatic Window Actuating System	S.Selvakumar	
115	Comparative performance analysis of R134a/CuO and R134a/SiO ₂ Nano-refrigerant based sustainable refrigeration system	Rajneesh Kaushik	
116	Parametric optimization of nano powder blended electrical spark machining AISI D3 DIE steel employing grey relational analysis	K Santarao	
118	Exploring Agent Technology in Manufacturing of High Technology Products: An Analytical Study using FAHP	Devansh Rohilla	
119	Improvement of cantilever based Piezoelectric energy harvesting from flow-induced vibrations	Dr S Srinivasulu Raju	
122	Design and fabrication of Agricultural Wheel Sprayer	A.Saravanan	
123	Intervention of shoulder load carrier for porters working in vegetable mandi of Jabalpur	Sangeeta pandit	
124	An alternative perspective for prime solution of Intuitionistic fuzzy transshipment of Type -IV	Indira Singuluri	
127	Design intervention in the manually pushcart used for carrying the vegetables in Hyderabad.	Dr. Sangeeta Pandit	
128	Inverse Kinematic Solution for 6 – R Industrial Robot Manipulator using Convolution Neural Network	Hare Shankar Kumhar	
130	Review On Optimizing The Throughput Time For Runner Types (Study The Manufacturing Flow of Particular Component and Identify/Eliminate The 8 Types of Wastes)	Gurdeep Singh	
131	Static & Fluid Analysis of a Marine Propeller	Gill Santosh Kumar	
134	Ergonomic risk assessment of female artisans using postural analysis on Dhokra bell metal craft sector of Chhattisgarh	Garima Borker	
139	Critical Posture Analysis During the Handling of Water Barrel with and without Exoskeleton	R Naveen Kumar	
140	An Experimental study on Plaster of Paris Composite Reinforced with Multi-Form Rice Husk for Thermal Insulation	Prabhjot Singh	
141	Artificial Neural Network Model for the Evaluation of Tensile Strength of Vibratory-Assisted TIG Welded Aluminum Joints	M. Vykunta Rao	
142	Process Parameters Optimization in Drilling using Taguchi Method	Mr. Bikash Banerjee	
143	A Hybrid Algorithm Based Static Obstacle Avoidance for a Wheeled Base	Shifa Sulaiman	
148	Influence of titanium diboride addition on microstructure and mechanical properties of aluminium metal matrix composites	P. Anitha	
149	Conceptual Design of a Women Safety Device: A Companion in Need	Gurmeet Singh	
150	Modelling of Inkjet Based Micro – Additive Manufacturing Process Performance using Deep Learning Algorithms	Tiasa Das	
151	Extraction of banana fiber and study of its mechanical Properties in polymer matrix	Mrs yegireddi Shireesha	

152	Design and analysis of 3-way catalytic converter using CFD	R RUDRABHI RAM	
153	Automatic insurance cost prediction: An application of machine learning methods	SARTAJ AHMAD	
154	Development of Close Celled Cenosphere Based Polymer Syntactic Foams	Ch. Sri Chaitanya	
155	An analysis of the behaviour of peepal fiber reinforced polyester composites for tensile, flexural and impact strengths	G Dilli Babu	
156	Development of IoT based intelligent cradle system	Dr. Selvakumar S	
157	EFFICIENT NEAR SUB-THRESHOLD VOLTAGE LEVEL SHIFTER DESIGN USING VLSI INTERCONNECTS	Dr. Ajay Kumar Dadoria	
158	Ergonomics in Domestic-Kitchens: An Evaluation in Indian-Context	Dr. Debesh Mishra	
160	Automated Vision Application in Industrial Defect Identification	Aezeden Mohammed	
162	Preparation of Cellulose Nano Fibers (CNFs) from Cajanus Cajan (Pigeon pea) and Acacia arabica (babul plant)	Dr. P. Dinesh Sankar Reddy	
163	Space Robotics: A Comprehensive Study of Major Challenges and Proposed Solutions	Abhishek Shrivastava	
164	Navigational Analysis of Mobile Robot using Modified Wind Driven Optimization Technique	SAROJ KUMAR	
165	Investigation and Assessment of Mechanical Properties of Al-Fly Ash	K. Chinna Maddaiah	
166	Design of Snake Robot with 28015 PING Ultrasonic Distance Sensor and Arduino	Amiya Dash	
167	Characterization of nano aluminium oxide filled hybrid cotton glass FRP Composite Structures	K. Chinnamaddaiah	
168	Spontaneous Water Impurity Detection System using Arduino	Gummadi Srinivasa Rao	
169	Tribological Behaviour of Co-Cr-Mo Alloy on Ultra High Molecular Polyethylene With and Without Third Body Particles Used in Hip Implant Application	BALASUBRAMANYA HS	
170	Additive Manufacturing Techniques in Fabrication of Soft Robotic Sensors and Actuators: A Review	Vijay Kumar Dalla	
171	Investigation on Wear Characteristics of a PLA-14% Bronze Composite Filament	Dr. K. Balamurugan	
172	Enhancement of magnetic flux density using a novel electromagnetic configuration in belt type magnetomechanical finishing setup	Prince Oliver horo	
177	Mushroom Classification Using Machine Learning Techniques	Dr.N.Sudhakar Yadav	
178	Predictive and Behavioral Analytics For Big Data Architecture	Dr.N.Sudhakar Yadav	
179	Surveying possible routes using Ant Colony Optimization for a mobile robot in a static environment.	IPSIT KUMAR DHAL	
180	Experimental Investigation and Optimization of IRB6700 ABB Robot Spot Welding Process Parameters	Dr. G. Dilli Babu	
183	Review Recent advances in the development of Mg-Ca-Zn alloys as biodegradable orthopedic implants	Pradipta Kumar Rout	
184	Synthesis of biodiesel from CSNL and experimental investigation of suitability for diesel engines as a potential alternative fuel	BUDDEPU PAVANI SRIKAVYA	
185	Analytical Estimation of Power for a fabricated power generating train using rack and pinion mechanism	Daloji Locherla	
187	Arduino-based Unmanned Vehicle to provide assistance under Emergency conditions	Dr B Venkateswara Rao	
188	Crack Detection in a Cantilever Composite Beam using Fuzzy Logic System with Regression Analysis	MONALISA DAS	
189	A graphical user interface (GUI) system for a stationary trainer used in lower limb rehabilitation	Parvathi Sunilkumar	
192	A Review on Cattle Transportation and Available Facility: A Special Emphasis on Indian Continent	Mr. Sandip Subhashrao Patil	
193	Lifecycle Assessment of Handicrafts Products: The Case Study of Bamboo and Aluminium Lamps	Trisha Bordoloi	
194	Tribological properties of Metal Particulate Reinforced Polymeric Functionally Graded Materials	Vasavi boggarapu	
195	Design and Finite Element Analysis of Endosseous Canine Implant	Dr. Parnika Shrivastava	
196	Comparative study on microhardness of the electroless ZnO and SiC reinforced Ni-P coatings	CH Vinod Babu	
197	Biodiesel from Neem oil as an alternative fuel for diesel engines – an experimental emission analysis	B PAVANI SRIKAVYA	
198	MICROSTRUCTURAL AND MICROHARDNESS ANALYSIS OF DIFFUSION BONDED TITANIUM ALLOY	Dr. Chandrappa.K	
199	Experimental Investigation to enhance the performance of freezer with phase change material	Mummina Vinod	

200	APPLICATION OF PROCESS CAPABILITY AND DESIGN OF EXPERIMENTS TO IMPROVE QUALITY PARAMETERS	Deepak Kumar	
201	Numerical and Experimental investigation of the finite life of low carbon steel cylindrical notched specimens	Ramu Inala	
202	Fabricating microholes through micro-EDM process and their circularity testing	DEEPAK KUMAR	
204	Improving Single Use Plastic Packets Opening Experience for Better Disposal	Kavindra Singh	
205	Identify and understand the physical characteristics that responsible for the masculine nature of a car	Jitender Singh	
206	An Adaptive Neuro-Fuzzy based Methodology for Prediction of Surface Roughness in Robotic Wire Arc Additive Manufacturing	Arshia Biswas	
207	Impact of IDMA Scheme on Power Line Communication	Raj Gaurang Tiwari	
208	Path Planning of Mobile Robot Using Rule based Mamdani Fuzzy Logic Controller in a Static Environment	Sujit S. Dadas	
209	A Study of Fear of Falling (FOF) in Indian Cities.	Bhavika Malik	
211	Analysis of productivity and surface characteristics of A356-TiB2 Nano composites in EDM	Dr. Shailesh Dewangan	
212	Controlling a Robotic Manipulator Using an Augmented Reality Interface	Abhey Sujith	
213	Title: IoT and Machine Learning for Traffic Monitoring, Headlight Automation and Self Parking: Application of AI in Transportation	Anurag Sinha	
214	RGB Image Encryption and Decryption Using Discrete Wavelet Transformation	M Lova kumari	
218	EXPERIMENTAL INVESTIGATIONS OF MECHANICAL PROPERTIES ON HYBRID ALUMINUM COMPOSITE WITH NANO TIC/SIC AND FLY ASH	Subrahmanyam O.V.	
219	Transverse Vibration of Laminated-Composite-Plates with Fillers under Moving Mass Using HSDT	SARADA PRASAD PARIDA	
220	Power generation using shock absorbers	VIVEK VISWANADHA	
222	Analysis of an emission and performance characteristics of single cylinder 4 stroke VCR engine by using palm bio diesel blends and comparison at the compression ratio 18:1	Savadana Venkataramana	
223	Planned Obsolescence: A Bibliometric Analysis	Vishwajit Kumar	
224	An observer based solution for Structural Health Monitoring of mechanical systems subjected to unknown inputs	Dheeraj kumar Gara	
226	Mechanical and Tribological Study of Bioactive Borosilicate Glass Fabricated Partially from Natural-Waste	Satish Jain	
227	Interlaminar Shear Strength of 3D Printed PLA Material	G. Sumithra (Manohar)	
229	Development of Functionally Graded Materials Through Different Manufacturing Processes: A Review	Sandepudi Sumana	
239	Computer aided analysis of involute gear tooth for minimization of bending stress	Rapeta Sundara Ramam	
243	A Review on Fabrication, Mechanical And Tribological Behaviour of Polymer Functional Graded Material	Prudhvidhar K	
244	Blockchain-enabled secure SAT system	Lokesh Kumar Pal	
252	A Review On Fabrication Techniques And Mechanical Characterization Of Metal Functionally Graded Material	Harshini B	
256	A study on musculoskeletal disorders in elderly female farmers in the village Baruva, Srikakulam district of Andhra Pradesh	Dr. Sangeeta Pandit	
257	Ergonomic risk assessment among the welders working in Darbhanga district of Bihar	Dr. Sangeeta Pandit	
258	Identification of postural load on Sculptors of sculpting industry of India	Dr. Sangeeta Pandit	
260	Effect of Learning Environment to Create Empathy and Learning Outcomes Among Design Students	Vikram Mathur	