

LIST OF ACCEPTED PAPERS

<u>S. No.</u>	<u>Paper Details</u>
1	<p>Paper Title: PHYSICO MECHANICAL PROPERTIES OF ALKALINE TREATED CHOPPED GREWIA OPTIVA / BASALT FIBER REINFORCED HYBRID POLYMER COMPOSITES Paper ID Number: PID 18 Author (s): Pramod Prabhakar Bijlwan, Dr. Lalta Prasad, Dr. Anshul sharma</p>
2	<p>Paper Title: FORCED CONVECTION HEAT TRANSFER AROUND A ISOTHERMAL SPHERE FOR LOW PRANDTL NUMEBRS Paper ID Number: PID 89 Author (s): Rupam Saha, B. Hema Sundar Raju</p>
3	<p>Paper Title: SIMULATION AND EXPERIMENTAL ANALYSIS OF A SINGLE AXIS PASSIVE SOLAR TRACKER Paper ID Number: PID 59 Author (s): Shivam Tiwari, Tangellapalli Srinivas, Parmvir Singh</p>
4	<p>Paper Title: DYNAMIC BEHAVIOUR OF ALUMINIUM ALLOY 7075 USING SHPB SIMULATION Paper ID Number: PID 72 Author (s):Yasir Majeed Bhat, Manish Kumar Gupta</p>
5	<p>Paper Title: EFFECT OF CONCAVE-CONVEX RATIO ON LAMINAR FLUID FLOW AND HEAT TRANSMISSION CHARACTERISTICS IN A GROOVED CHANNEL - A NUMERICAL STUDY Paper ID Number: PID 160 Author (s):Ananya Mandal, Aditya Kumar, Auronil Mukherjee, Soumen Chakraborty and Supratim Saha</p>

6	<p>Paper Title: SENSITIVITY ANALYSIS OF COMBINED ELECTROOSMOTIC AND PRESSURE-DRIVEN FLOW IN A MICROCHANNEL: AN ANALYTICAL STUDY Paper ID Number: PID 124 Author (s):Ananya Kalita, Smruti Sourav, Debanjan Banerjee, Sukumar Pati, Pankaj Biswas</p>
7	<p>Paper Title: ANALYSIS OF EFFECTIVENESS OF DIFFERENTIAL TRANSFORM METHOD FOR ELECTROOSMOTIC FLOW OF PSEUDOPLASTIC FLUID Paper ID Number: PID 121 Author (s):Kaushik Mahanta, Debanjan Banerjee, Sukumar Pati, Pankaj Biswas</p>
8	<p>Paper Title: EFFICACY OF DIFFERENTIAL TRANSFORM METHOD FOR MAGNETOHYDRODYNAMIC ELECTROOSMOTIC FLOW OF NEWTONIAN FLUID Paper ID Number: PID 132 Author (s):Kaushik Mahanta, Debanjan Banerjee, Sukumar Pati, Pankaj Biswas</p>
9	<p>Paper Title: COMPUTATIONAL STUDY OF FLOW PAST A CYLINDER IN TANDEM SETUP Paper ID Number: PID 110 Author (s): Farheen Akhtar, Rajneesh Anand</p>

10	<p>Paper Title: An Application of Multivariate Regression Analysis in Yield Optimisation of Biodiesel Synthesis from Used Sunflower Oil Paper ID Number: PID 136 Author (s): Prasanta Kr. Choudhury and Marulina Kalita</p>
11	<p>Paper Title: REAL TIME CONTROL OF MULTIPLE ROBOTS USING HAND GESTURES Paper ID Number: PID 167 Author (s): Anand Kumar Yadav, Krishna Gupta, Abhishek Kaushal, Anuj Kumar Sharma</p>
12	<p>Paper Title: Rebound Suppression of Impacting Droplets On a Superhydrophobic Surface Paper ID Number: PID 119 Author (s): Ajit Kumar, Manabendra Pathak</p>
13	<p>Paper Title: LIVE TERRAIN MONITORING AND CLASSIFICATION USING MOBILE ROBOT Paper ID Number: PID 185 Author (s): Suraj Chaurasia, Abhishek Kaushal, Farhan Khan, Anuj Kumar Sharma</p>

14	<p>Paper Title: ARTIFICIAL NEURAL NETWORK BASED MODEL FOR GALLOPING BASED PIEZOELECTRIC ENERGY HARVESTER</p> <p>Paper ID Number: PID 53</p> <p>Author (s): Rakesha Chandra dash, Prabhat Ranjan</p>
15	<p>Paper Title: PREDICTION OF STORE SEPARATION TRAJECTORIES OF THE EGLIN TEST MODEL USING CRADLE CFD</p> <p>Paper ID Number: PID 94</p> <p>Author (s): Ganesh Pawar R, Nuza Nigar, Praphul T., Dr. Karthik Sundarraaj</p>
16	<p>Paper Title: EFFECT OF YOUNG'S MODULUS OF ELASTICITY ON THE FLUID-STRUCTURE INTERACTION OF A SPLITTER PLATE</p> <p>Paper ID Number: PID 158</p> <p>Author (s): Yusuf Ali, Tridib Kumar Chowdhury, Manash Protim Boruah</p>
17	<p>Paper Title: INVESTIGATION OF DIFFERENT PARAMETERS OF SERPENTINE MICROCHANNEL ON VAPORED QUALITY AND MIXING</p> <p>Paper ID Number: PID 26</p> <p>Author (s): Chandra Bhushan Vishwakarma; Prasant Mishra; Dharamveer Yadav; Prashant Prajapati; Brijesh verma; Devendra Yadav</p>
18	<p>Paper Title: PERFORMANCE STUDY OF CERIUM OXIDE REINFORCED COPPER COMPOSITE FABRICATED VIA FRICTION STIR PROCESSING</p> <p>Paper ID Number: PID 179</p> <p>Author (s): Ram Niwas, Dr. Vikas Kumar</p>

19	<p>Paper Title: Design and analysis of highly sensitive piezoelectric actuated Accelerometer Paper ID Number: PID 21 Author (s): Manda Krishna Sai Lakshmi Gayatri, Raju Kovvasu , Prabina kumar Meher, Alfa Bisoi</p>
20	<p>Paper Title: COALESCENCE AND DETACHMENT DYNAMICS OF DUAL DROPLETS IN A CONFINEMENT FOR FUEL CELL APPLICATIONS Paper ID Number: PID 205 Author (s): Golamur Rahman Khan, Rahikim Tanzim, Anik Sarker, Manash Protim Boruah</p>
21	<p>Paper Title: EFFECT OF PARTIAL SUBSTITUTION OF CEMENT BY STEEL SLAG IN AUTOCLAVE AERATED CONCRETE (AAC) BLOCK Paper ID Number: PID 85 Author (s): Hrishikesh Bhattacharyya, Anil Borah, U. K. Nath</p>
22	<p>Paper Title: VORTEX ASSISTED CONTROLLING OF CHEMICAL REACTION INSIDE AN ELECTROOSMOTIC MICRO-REACTOR Paper ID Number: PID 144 Author (s): Sumit Kumar Mehta, Anindya Nath, Sukumar Pati</p>

23	<p>Paper Title: NUMERICAL ANALYSIS OF JET IMPINGEMENT HEAT TRANSFER PROCESS ON STEEL BAND FOR INDUSTRIAL GALVANIZING LINE</p> <p>Paper ID Number: PID 104</p> <p>Author (s): Alok Raj, Y. Naresh</p>
24	<p>Paper Title: FAULT DIAGNOSIS IN ROTATING MACHINES USING VIBRATION ANALYSIS</p> <p>Paper ID Number: PID 88</p> <p>Author (s): Shamim Pathan, Nilaj N Deshmuk, Praseed Kumar</p>
25	<p>Paper Title: FATIGUE FAILURE ANALYSIS OF TWO DIFFERENT I BEAM IN 2D USING ANSYS WORKBENCH</p> <p>Paper ID Number: PID 96</p> <p>Author (s): Mukesh Kumar Gorain, Sunil Kumar Chaudhary</p>
26	<p>Paper Title: Experimental Investigation of Fiber Laser Trepan Drilling for Titanium Alloy Using MOORA Analysis</p> <p>Paper ID Number: PID 74</p> <p>Author (s): Alemu Workie Kebede, Promod Kumar Patowari, Chinmaya Kumar Sahoo</p>
27	<p>Paper Title: Energy and exergy destruction analysis of vapor compression refrigeration system with dedicated mechanical subcooled using R134a & R410A</p> <p>Paper ID Number: PID 197</p> <p>Author (s): Naveen Solanki, Akhilesh Arora, Raj Kumar Singh</p>
28	<p>Paper Title: OPTIMIZATION OF GUIDE VANES FOR PROVIDING EQUAL FLOW DISTRIBUTION TO ESP'S</p> <p>Paper ID Number: PID 128</p> <p>Author (s): Prateek Kumar Jain, R B Anand, D Santhosh Kumar</p>

29	<p>Paper Title: The Feasibility of Micro Hydro Power Plant in Kamle District of Arunachal Pradesh of India: A Case-study</p> <p>Paper ID Number: PID 86</p> <p>Author (s): BikukLomdak, A. Parida, GhritarthaGoswami, Shantanu Dutta,</p>
30	<p>Paper Title: Thermal performance evaluation of aligned and staggered battery cell configurations for Li-ion battery pack</p> <p>Paper ID Number: PID 22</p> <p>Author (s): SatyaPrakashVerma, Samir Saraswati</p>
31	<p>Paper Title: Analysis of hydrodynamic performance under triangular shape leap wall of oscillating water column (OWC) devices by changing orifice ratio and relative opening</p> <p>Paper ID Number: PID 65</p> <p>Author (s): Ravi Ranjan Manjul, Sanjeev Ranjan, Pradip Deb Roy</p>
32	<p>Paper Title: EFFECT OF PROCESS PARAMETERS ON AA-2014/TiB 2 COMPOSITE FABRICATED BY FRICTION STIR PROCESSING</p> <p>Paper ID Number: PID 178</p> <p>Author (s): Yogender Chauhan, Vikas Kumar, Ram Niwas</p>
33	<p>Paper Title: A LOW VOLTAGE BASED DIELECTROPHORETIC MICRODEVICE FOR CANCER CELL SEPARATION</p> <p>Paper ID Number: PID 208</p> <p>Author (s): Tridib Kumar Chowdhury, Yusuf Ali, Manash Protim Boruah</p>
34	<p>Paper Title: Study On Vibration Parameters of Adhesively Bonded Plate Structure: Simulation and Experimentation Approach</p> <p>Paper ID Number: PID 47</p> <p>Author (s): Waseem Baig, Mohammed Mushtaq</p>

35	<p>Paper Title: SOLAR-HYBRID POLYGENERATION SYSTEMS: RECENT DEVELOPMENTS IN DESIGN AND PERFORMANCE</p> <p>Paper ID Number: PID 157</p> <p>Author (s): Utpal Kumar Dutta, Agnimitra Biswas, Dipankar Bhanja</p>
36	<p>Paper Title: IMPLICATION OF VISCOPLASTIC FLUID ON HEAT TRANSFER ENHANCEMENT THROUGH CHANNEL WITH BACKWARD FACING STEP</p> <p>Paper ID Number: PID 45</p> <p>Author (s): Saurav Kumar, Md. Faizan, Sukumar Pati, Pitamber R Randive</p>
37	<p>Paper Title: INVESTIGATION ON INCREMENTAL SHEET FORMING OF TEMPERED ALUMINIUM ALLOY</p> <p>Paper ID Number: PID 207</p> <p>Author (s): Rupesh Kumar, Vikas Kumar</p>
38	<p>Paper Title: DESIGN AND DEVELOPMENT OF A COST-EFFECTIVE, 3-FINGERED PROSTHETIC ARM</p> <p>Paper ID Number: PID 169</p> <p>Author (s): Shivansh Chaudhary, Himanshu Kumar, Santhakumar Mohan</p>
39	<p>Paper Title: Parametric Optimization to Improve Surface Quality of FFF Printed PETG/Cenosphere composites</p> <p>Paper ID Number: PID 44</p> <p>Author (s): Jitendra Kumar, Sushant Negi</p>
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41	<p>Paper Title: Torque Coefficient Evaluation of a Double-Stage Double Bucket Savonius Water Turbine in Low-Flow Streams Paper ID Number: PID 120 Author (s): Kanak Chandra Sarma, Biswajit Nath, Agnimitra Biswas, Rahul Dev Misra</p>
42	<p>Paper Title: Performance testing of a novel perovskite based catalytic convertor for emission reduction of a CI engine under different equivalence ratios Paper ID Number: PID 127 Author (s): Benjamin E Basker, Abhishek Paul, Sumita Debbarma</p>
43	<p>Paper Title: RAYLEIGH-BÉNARD CONVECTION IN A RECTOTRAPEZOIDAL ENCLOSURE Paper ID Number: PID 90 Author (s): Debanjan Banerjee, Sukumar Pati, Pankaj Biswas</p>
44	<p>Paper Title: NUMERICAL INVESTIGATION ON HEAT TRANSFER AND FLUID FLOW IN A CIRCULAR TUBE WITH RECTANGULAR CUT TWISTED TAPE Paper ID Number: PID 138 Author (s): Voddepalli Soumith, Sujit Nath, Agnimitra Biswas</p>
45	<p>Paper Title: AN EXPERIMENTAL ANALYSIS OF FREE CONVECTION IN THE TOP OPEN AND SIDE VENTED INCLINED CAVITY WITH THE BOTTOM HEATED PLATE Paper ID Number: PID 92 Author (s): Rakesh Kumar, Ravi Shankar Prasad, Ravi Prakash Singh</p>
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47	<p>Paper Title:Cryogenic Pulsating Heat Pipe to Cool the Sensitive Parts of the Magnetic Resonance Imaging System Paper ID Number: PID 213 Author (s): K. Satyanarayana, N.V.S.M Reddy, Dr. S. Venugopal</p>
48	<p>Paper Title:Buoyancy Driven Heat Transfer From a Heated Cylinder in an Enclosure with Nonuniform Heating Paper ID Number: PID 134 Author (s): Ankit Chourasia, Dhrijit Kumar Deka, Sukumar Pati</p>
49	<p>Paper Title:AN EXPERIMENTAL STUDY OF FREE CONVECTION IN A VERTICAL AND TILTED CAVITY WITH TOP AND SIDE OPENING Paper ID Number: PID 83 Author (s): Ravi Prakash Singh, Ravi Shankar Prasad, Rakesh Kumar</p>
50	<p>Paper Title: PARAMETRIC ANALYSIS OF A COMBINED GAS TURBINE AND ABSORPTION COOLING SYSTEM Paper ID Number: PID 159 Author (s): Gautam Kumar, Dhaneshwar Mahto</p>
51	<p>Paper Title:EFFECT OF SURFACE CHARGE HETEROGENEITIES ON THE ELECTROSMOTIC MIXING PERFORMANCE IN A RACCOON MICROMIXER WITH SINUSOIDAL ZETA POTENTIAL Paper ID Number: PID 70 Author (s): Anindya Nath, Sukumar Pati, László Baranyi</p>
52	<p>Paper Title:Effect of activated tungsten inert gas welding on the microstructural and mechanical properties of nickel-based super alloy Inconel 625 Paper ID Number: PID 79 Author (s): Ashish W. Fande, Ravindra V. Taiwade, Dheeraj C. Narayane</p>

53	<p>Paper Title: Preparation and properties of Pluronic F-127 based alumina inks for additive manufacturing Paper ID Number: PID 7 Author (s): Debabrata Majumder, P Karuna Purnapu Rupa</p>
54	<p>Paper Title: VIBRATION BASED DAMAGE DETECTION IN PLATES USING MODE SHAPES Paper ID Number: PID 101 Author (s): Shubham S. Makwana, Nilaj N. Deshmukh, Praseed Kumar</p>
55	<p>Paper Title: ANALYSIS OF RESIDUAL STRESS EFFECT ON THIN WALL PARTS MANUFACTURING OF AA2014-T651 DURING AGEING HEAT TREATMENT Paper ID Number: PID 149 Author (s): N.Vinaya Kumar, Dr. M. Indira Rani</p>
56	<p>Paper Title: DYNAMIC ANALYSIS OF FUNCTIONALLY GRADED PANELS IN THERMAL ENVIRONMENT USING COMSOL Paper ID Number: PID 108 Author (s): Ashish kumar singh, Atanu sahu</p>
57	<p>Paper Title: COMPARATIVE REVIEW ON BIO-DIESEL WITH WATER EMULSIFIED DIESEL AS AN ALTERNATIVE FUEL FOR CI ENGINES Paper ID Number: PID 27 Author (s): Sabyasachi Naiya, Pijush Kanti Mondal, Bijan Kumar Mandal</p>
58	<p>Paper Title: A critical review on the fabrication of superhydrophobic membrane for oil-water separation Paper ID Number: PID 46 Author (s): Avinash Kumar, Yadav Narendra Kumar Rajbahadur, Sushant Negi, Simanchal Kar</p>

59	<p>Paper Title: NUMERICAL INVESTIGATION ON HEAT TRANSFER ENHANCEMENT USING DIMPLES ON THE INNER PIPE OF A DOUBLE PIPE HEAT EXCHANGER</p> <p>Paper ID Number: PID 198</p> <p>Author (s): Lai Cheng Chetia, Anindya Nath, Darpahari Das, Sukumar Pati, Pitambar R Randive</p>
60	<p>Paper Title: MACHINABILITY STUDY OF THE FABRICATED AA6063 BASED METAL MATRIX COMPOSITES USING WIRE-EDM PROCESS</p> <p>Paper ID Number: PID 145</p> <p>Author (s): Yugabrat Gogoi, Rishi Raj Bhattacharjee, Debarka Chattopadhyay, Mrinmoi Borah, Pallab Sarmah, Promod Kumar Patowari</p>
61	<p>Paper Title: Numerical analysis of coir filler based polymer composites for evaluating the mechanical properties</p> <p>Paper ID Number: PID 81</p> <p>Author (s): Ananya Kalita, Vijay Kumar Mahakur, Sumit Bhowmik</p>
62	<p>Paper Title: INVESTIGATION ON ABRASIVE WATER JET MACHINING OF SS316L</p> <p>Paper ID Number: PID 199</p> <p>Author (s): Suman Nihar, Jisnu Basu, Gautam Majumdar</p>
63	<p>Paper Title: DESIGN AND DEVELOPMENT OF ADVANCED BATTERY ENCLOSURE FOR LI-ION BATTERY CELLS THROUGH SIMULATION AND EXPERIMENTAL TEST</p> <p>Paper ID Number: PID 126</p> <p>Author (s): Naveen Jain, Suneel Anand, Deepak Singh</p>
64	<p>Paper Title: COMPARATIVE ANALYSIS OF TODIM AND TOPSIS FOR AN AUTOMOBILE PARTS SUPPLIER</p> <p>Paper ID Number: PID 84</p> <p>Author (s): Rishav Raj Singh, Divya Zindani, Saikat R Maity</p>

65	<p>Paper Title: RECENT ECENT PROGRESS ON COOLING SYSTEM IN MACHINING: A REVIEW</p> <p>Paper ID Number: PID 69</p> <p>Author (s): Deepak Kumar Sharma, Krishna Murari Pandey</p>
66	<p>Paper Title: DYNAMIC RESPONSE ANALYSIS OF FUNCTIONALLY GRADED STIFFENED PANELS SUBJECTED TO BLAST LOADING</p> <p>Paper ID Number: PID 68</p> <p>Author (s): Anwasha Pal, Anuja Roy, Atanu Sahu</p>
67	<p>Paper Title: COMPARISON OF 2D AND 3D CFD BASED MODELS OF TUNED LIQUID DAMPERS</p> <p>Paper ID Number: PID 93</p> <p>Author (s): Anwasha Pal, Anuja Roy, Atanu Sahu</p>
68	<p>Paper Title: Experimental Analysis on Location and Number of External Square Dimples on NACA 4412 Profile in H-Darrieus Wind Turbine</p> <p>Paper ID Number: PID 97</p> <p>Author (s): Sahastranshu K K, A Siva Nagaraju, Rajat Gupta, Biplab Das, A R Sengupta</p>
69	<p>Paper Title: Analyzing the role of Multi Agent Technology in Production System</p> <p>Paper ID Number: PID 6</p> <p>Author (s): Vikram Singh, Somesh Kr. Sharma</p>
70	<p>Paper Title: EFFECT OF LASER BEAM PARAMETERS ON THE WELD QUALITY OF DISSIMILAR WELDED NI-CR ALLOYS AUSTENITIC STAINLESS STEELS: A REVIEW</p> <p>Paper ID Number: PID 113</p> <p>Author (s): ASHUTOSH PADHAN, SUMITRA SHARMA</p>

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72	<p>Paper Title: Effects of reinforcement particles loading on wear and friction behaviour of banana filler reinforced polymeric composites at different loading and sliding conditions Paper ID Number: PID 181 Author (s): Sumit Bhowmik, Utkarsh Kumar, Atul Kumar, Santosh Kumar</p>
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75	<p>Paper Title: EFFECT OF STREAM-WISE JET SPACING ON THE THERMAL PERFORMANCE OF VARIOUS SOLAR AIR COLLECTOR DESIGNS UTILIZING JET IMPINGEMENT Paper ID Number: PID 122 Author (s): Supreme Das, Agnimitra Biswas, Biplab Das</p>
76	<p>Paper Title: OPTIMIZATION OF PROCESS PARAMETERS FOR BIOETHANOL PRODUCTION FROM VEGETABLE WASTE Paper ID Number: PID 52 Author (s): Keetha Vivek, Robba Mohan Chand, K S M R Vamsi, M Venu Madhav, Sumita Debbarma</p>

77	<p>Paper Title: A CRITICAL REVIEW ON ANTI-SOILING AND ANTI-REFLECTIVE COATINGS FOR SELF-CLEANING SURFACE ON SOLAR PHOTOVOLTAIC PANELS</p> <p>Paper ID Number: PID 48</p> <p>Author (s): Yadav Narendra Kumar Rajbahadur, Avinash Kumar, Maloth Mohan Kumar, Sushant Negi, Simanchal Kar</p>
78	<p>Paper Title: INFLUENCE OF LASER SHOCK PEENING ON MECHANICAL PROPERTIES AND MICROSTRUCTURE OF WIRE ARC ADDITIVE MANUFACTURED STAINLESS STEEL 308L WITH THREE DISTINCT REGIONS</p> <p>Paper ID Number: PID 222</p> <p>Author (s): T.Geethapriyan, I.A.Palani</p>
79	<p>Paper Title: CNT REINFORCED AlCoCrFeNi HIGH-ENTROPY ALLOY UNDER SHEAR LOADING-A MOLECULAR DYNAMICS APPROACH</p> <p>Paper ID Number: PID 201</p> <p>Author (s): Subrata Barmana, Sudip Dey</p>
80	<p>Paper Title: FABRICATION OF THERMOFORMABLE POLYMER COMPOSITE USING BIOBASED MATERIALS</p> <p>Paper ID Number: PID 221</p> <p>Author (s): Lakshi Nandan Borah, Anubhav Saiki, Sudipta Halder, Pannalal Choudhury</p>
81	<p>Paper Title: SELECTION OF WALL MATERIAL FOR PASSIVE COOLING IN VERNACULAR HOUSES USING FUZZY TOPSIS METHOD</p> <p>Paper ID Number: PID 123</p> <p>Author (s): Prayag Raj Chanda, Agnimitra Biswas</p>
82	<p>Paper Title: Numerical Study of Hyperthermia to Treat Malignant Tumor in Human Skin for Different Age Group of Patients: Local Thermal Non-Equilibrium Approach</p> <p>Paper ID Number: PID 182</p> <p>Author (s): Rituparna Das, Aishik Dinda, Sujit Nath</p>

83	<p>Paper Title: Recent Advances in Simultaneous Heat and Mass Transport in Firefighter's Protective Turnout Gear: A Review Paper ID Number: PID 51 Author (s): Virendra Kumar, Jnanaranjan Acharya, Aishik Dinda, Dipankar Bhanja</p>
84	<p>Paper Title: Influence of Fabric Optical Behaviour on Different Aged Group Industrial Firefighters' Clothing Performance During a High Intensity Thermal Radiation Environment Paper ID Number: PID 49 Author (s): Jnanaranjan Acharya, Virendra Kumar, Aishik Dinda, Rahul Dev Misra, Dipankar Bhanja</p>
85	<p>Paper Title: Linear instability analysis of viscous liquid sheet travelling in a confined space with two co-flowing gas stream of equal velocity considering initial varicose mode of disturbance Paper ID Number: PID 17 Author (s): Saurabh Sharma, Sujit Nath, Dipankar Bhanja</p>
86	<p>Paper Title: A Short-term Review on Self-Charging Solar Drone for Different Applications Paper ID Number: PID 55 Author (s): Bappa Mondal, B. Vamsi Krishna, B. Sai Suresh, Ch. Jagadeeswara Rao, B. Dhana Sekhar, Ch. Uma Maheswara Rao, A. Mohan Sai</p>
87	<p>Paper Title: SILANE FUNCTIONALIZATION OF MONTMORILLONITE CLAY WITH OPTIMIZED REACTION TIME AND TENSILE PERFORMANCE OF CLAY LOADED EPOXY NANOCOMPOSITES Paper ID Number: PID 223 Author (s): Swatantra Kumar, Sudipta Halder, Pannalal Choudhury</p>
88	<p>Paper Title: Development of a Shape Memory Alloy actuation based Planar 1PRR 2PRP Parallel Manipulator Paper ID Number: PID 165 Author (s): Rutupurna Choudhury, Sunny Kumar Saurabh, Yogesh Singh</p>

89	<p>Paper Title:Experimental investigation and study of the effect of laser machining parameters for the machining of AISI 304 stainless steel Paper ID Number: PID 131 Author (s): K. Sai Kiran Chowdary, Sukesh Kamtam, Akhil Sai Yekula, Chinmaya Kumar Sahoo</p>
90	<p>Paper Title: EExperimental Investigation on Physical Properties of 3D Printed Recycled ABS/ Bamboo Composite Paper ID Number: PID 129 Author (s): Md Abdul Wadud, Tarif Rayhan, Ayushi Sonker, Rachana Bubna, Vishal Mishra, CH KapiL Ror, Sushant Negi</p>
91	<p>Paper Title:A STUDY ON MACHINABILITY OF TI-6AL-4V ELI (GRADE 23) TITANIUM ALLOY USING MICRO-EDM PROCESS Paper ID Number: PID 73 Author (s): Tanmoy Majumder, Promod Kumar Patowari</p>
92	<p>Paper Title: EMACHINING OF MICRO-CHANNEL USING WIRE ELECTRICAL DISCHARGE MACHINING AND ITS PARAMETRIC STUDY Paper ID Number: PID 82 Author (s): Paresh Kumar Padhy, Pallab Sarmah, Promod Kumar Patowari</p>
93	<p>Paper Title: Influence of Optical Properties of Fabric on The Protective Performance of Industrial Firefighters' Clothing Based on the Exposed body location to Radiant Heat Exposure Paper ID Number: PID 183 Author (s): Plabita Bhuyan, Jnanaranjan Acharya, Dipankar Bhanja, Sujit Nath</p>

94	<p>Paper Title: ACOUSTIC ANALYSIS OF VARYING NUMBER OF LOUVERS IN NOISE ATTENUATION Paper ID Number: PID 152 Author (s): G. Avinash, N. S. Sriprasad, B. Goutham Krishna, B. Mohammed Akram , R. Eshanth, and Santosh Kumar</p>
95	<p>Paper Title: POSITIONAL ACOUSTIC ANALYSIS OF NOISE ATTENUATION IN LOUVER WINDOW CONFIGURATIONS Paper ID Number: PID 153 Author (s): Santosh Kumar, N. S. Sriprasad, B. Goutham Krishna, B. Mohammed Akram , R. Eshanth and G. Avinash</p>
96	<p>Paper Title: Green Performance Assessment of CNC Cylindrical Grinding Machine Tools under Multi-Criteria Homogeneous Group Decision Making Approach Paper ID Number: PID 163 Author (s): Soumik Dutta, Bipradas Bairagi, Balaram Dey</p>
97	<p>Paper Title: WELDING PARAMETERS EFFECT ON MECHANICAL PROPERTIES OF AA7475-AA360 ALUMINIUM ALLOYS OF TWO DISSIMILAR METALS USING FRICTION STIR WELDING Paper ID Number: PID 174 Author (s): Sasidhar Gurugubelli, Sai Charan Katari, Lava Kumar Ginni</p>
98	<p>Paper Title: FLOW BOILING ANALYSIS OF R32 REFRIGERANTS FOR MINI-SCALE CIRCUIT COOLING Paper ID Number: PID 209 Author (s): Srija Sarkar, Abhishek Chatterjee, Md Naim Hossain</p>

99	<p>Paper Title: AN EXPERIMENTAL AND FEA APPROACH TO INVESTIGATE EFFECT OF CRACKS ON A SINGLE DISK ROTOR BEARING SYSTEM</p> <p>Paper ID Number: PID 203</p> <p>Author (s): Kedar Kishor Patil, Dr. Sanjay Hari Sawant</p>
100	<p>Paper Title: VERTICAL DYNAMIC ANALYSIS OF THREE WHEELER PASSENGER VEHICLE WITH AN OPTIMALLY TUNED SMC CONTROLLER</p> <p>Paper ID Number: PID 168</p> <p>Author (s): Gurubasavaraju T.M, Shaik Mahaboob Subhani, K. Hemanth Kumar, Vijay M</p>
101	<p>Paper Title: A Review on Hydrogen Fuel for a Cleaner Future</p> <p>Paper ID Number: PID 140</p> <p>Author (s): Prasanta Kumar Choudhury, Deepjyoti Patowary, Jitumoni Kumar</p>
102	<p>Paper Title: VIBRATIONAL ANALYSIS OF A FIXED WING OF AN UAV FOR VIBRATIONAL ENERGY HARVESTING USING ANSYS</p> <p>Paper ID Number: PID 98</p> <p>Author (s): Pushpendra Singh, Dr Alfa Bisoi</p>
103	<p>Paper Title: A NUMERICAL INVESTIGATION ON THE COOLING OF LITHIUM ION CELL USING DIVERGING TYPE COLD PLATE</p> <p>Paper ID Number: PID 33</p> <p>Author (s): Safwan Mohammed Kunhi, Sanjeev Kumar</p>
104	<p>Paper Title: PARAMETRIC OPTIMISATION BY TAGUCHI L9 APPROACH TOWARDS BIODIESEL PRODUCTION FROM YELLOW OLEANDER SEED OIL CATALYZED BY WASTE CITRUS LIMETA PEEL DERIVED HETEROGENEOUS CATALYST</p> <p>Paper ID Number: PID 141</p> <p>Author (s): Subham Chetri, Abhishek Bharti, Sumita Debbarma</p>

105	<p>Paper Title: Design and Development of 4PR Parallel lower limb rehabilitation robotic system Paper ID Number: PID 155 Author (s): Abhishek Kumar, Rutupurna Choudhury, Yogesh Singh</p>
106	<p>Paper Title: RECENT TRENDS IN INJECTION STRATEGIES IN SCRAMJET COMBUSTOR: A REVIEW Paper ID Number: PID 154 Author (s): Subhasis Chakravarthy, Pitambar Randive</p>
107	<p>Paper Title: APPLICATION OF RESPONSE SURFACE METHODOLOGY FOR OPTIMIZATION OF SUBMERGED ARC WELDING PROCESS PARAMETERS Paper ID Number: PID 24 Author (s): Rimeshikha Saikia, Plabon Kakoti</p>
108	<p>Paper Title: A Comparative Analysis of the Performance of Different Multi-Layer Fire Retardant Fabric Orientations Under High Radiant Exposure: A Numerical Approach Paper ID Number: PID 50 Author (s): Aishik Dinda, Jnanaranjan Acharya, Virendra Kumar, Sujit Nath</p>
109	<p>Paper Title: DESIGN AND ANALYSIS OF PIEZOELECTRIC ENERGY HARVESTER FOR BIOMEDICAL DEVICE Paper ID Number: PID 117 Author (s): Deepjyoti Hazarika, Jitul Teron, Sohan Paul, Sayantan Das, Mohd Anis Ansari, Alfa Bisoi</p>
110	<p>Paper Title: EFFECT OF P-TIG WELDING TECHNIQUE ON THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF DISSIMILAR WELDED INCONEL 718 AND AISI 321 BUTT JOINT Paper ID Number: PID 150 Author (s): Sumitra Sharma, Alok Prakash, Ashutosh Padhan</p>
111	<p>Paper Title: Fabrication of Aluminium Matrix Composite via Friction Stir Processing by incorporating SiC particle Paper ID Number: PID 130 Author (s): Avinash Ravi Raja, Aditya Verma, Amit Sharma, Abhishek Priyadarshi, Sudesh Singh, Santosh Kumar</p>

112	<p>Paper Title: An Experimental Study on degradation of starch-based bioplastic</p> <p>Paper ID Number: PID 115</p> <p>Author (s): Dasari Nageswararao, Swatha das, Abhishek Paul</p>
113	<p>Paper Title: AN EXPERIMENTAL STUDY ON THE CONVERSION OF WASTE SAWDUST INTO ETHANOL</p> <p>Paper ID Number: PID 114</p> <p>Author (s): Santhosh Thota, Shreyas Kumar, Abhishek Paul</p>
114	<p>Paper Title: DESIGNING OF LIGHTWEIGHT SPORTS HELMET OF AUXETIC STRUCTURE USING 3D PRINTER</p> <p>Paper ID Number: PID 204</p> <p>Author (s): Danish Khandekar, Kritartha Sutradhar, Ashok Deb, Bikash Thakur, Vishal Mishra, Simanchal Kar</p>
115	<p>Paper Title: Techno Feasibility study of the solar chimney with storage: A case study based on climatic data from the states of North-Eastern India</p> <p>Paper ID Number: PID 87</p> <p>Author (s): Biren K. Behera, Kaushal K. Sharma, Sudhansu S. Sahoo</p>
116	<p>Paper Title: STUDY OF THE TRIBOLOGICAL BEHAVIOR OF ALUMINIUM-BASED COMPOSITES FABRICATED THROUGH POWDER METALLURGY</p> <p>Paper ID Number: PID 133</p> <p>Author (s): Sudhir Kumar, Pallab Sarmah, Rajeev Nayan Gupta</p>
117	<p>Paper Title: An experimental study on RCCI operation of a CI engine under different fuel</p> <p>Paper ID Number: PID 112</p> <p>Author (s): Mukund Kumar, Abhishek Paul, Parthasarathi Deb</p>
118	<p>Paper Title: EVALUATION OF MECHANICAL AND PHYSICAL PROPERTIES OF ECO-FRIENDLY, BIODEGRADABLE FIBRE COMPOSITES</p> <p>Paper ID Number: PID 164</p> <p>Author (s): Paidi Vivek, Banoth Sandeep, CH H S S Surya Chandra, Kanhu Champati, Vishal Mishra, Avinash Kumar, Simanchal Kar</p>

119	<p>Paper Title: FINITE ELEMENT ANALYSIS OF ROTARY FRICTION WELDING PROCESS</p> <p>Paper ID Number: PID 161</p> <p>Author (s): Manjunath M. Ullegaddi, Balappa B U, N. C. Mahendra Babu</p>
120	<p>Paper Title: FORCED VIBRATION OF LAMINATED COMPOSITE CURVED BEAMS USING AN EFFICIENT LAYER-WISE THEORY</p> <p>Paper ID Number: PID 224</p> <p>Author (s): Mirza Shariq Beg, M Yaqoob Yasin</p>
121	<p>Paper Title: EFFECT OF DIETHYL ETHER ADDITIVES TO IMPROVE EMISSION CHARACTERISTICS OF GSOME & ITS RESPECTIVE BLENDS OPERATED IN VCR DIESEL ENGINE</p> <p>Paper ID Number: PID 109</p> <p>Author (s): Aman Sharma, S S Ragit, Hemant Hajare, G. Singh, S K Mohapatra, K Kundu</p>
122	<p>Paper Title: Multiple Impact Responses of Bending stiff Composite Plates– A Finite Element Approach</p> <p>Paper ID Number: PID 200</p> <p>Author (s): Gayathri Bolugoddu, Vaishali, Sudip Dey</p>
123	<p>Paper Title: Optimization of WEDM process parameters using TOPSIS-Taguchi hybrid approach for the development of Fe-based turning tool insert</p> <p>Paper ID Number: PID 105</p> <p>Author (s): Vishwajeet Kumar, Subhas Chandra Mondal</p>
124	<p>Paper Title: DESIGN AND DEVELOPMENT OF MAKHANA PROCESSING MACHINE</p> <p>Paper ID Number: PID 32</p> <p>Author (s): N. Nithyavathy, K. Suganeswaran, S. Arunkumar, C.V. Rahav, M. Thangapandi, K. Tharun Kumar</p>
125	<p>Paper Title: Influence of Advanced Welding Techniques on the Evolution of Microstructure and Mechanical Properties of 2.25Cr-1Mo Steel</p> <p>Paper ID Number: PID 75</p> <p>Author (s): Sunilkumar D, Vasudevan M, Suresh D. Meshram, S. Muthukumaran</p>