



Vidyavardhini's College of Engineering & Technology

Department of Mechanical Engineering

Sr. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Calender Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1	Dr. Ashish Chaudhari and Mr. Vinay D.Patel	Performance Study of Titanium di-oxide Nanomaterial based Perovskite Solar Cell and comparison with organic Die Sensitized Solar cell	International Conference on Innovations in Clean Energy Technologies(ICET2023)	2023	In process	SPRINGER
2	Dr. Uday Aswalekar, Mr. Ganesh Wahile	Design and Development of Robotics Arm	International Conference on "Emerging Aspects of Manufacturing, Thermal and Design Engineering (MATHED-22)"	2023	Proceeding Not Published	Proceeding Not Published
3	Mr. Dipak Chaudhari	Performance, Combustion and Emission Analysis of Rubber Seed Extract and Palm oil as biodiesel	International Conference on Ineelligent Robotics, Mechatronics and Automation Systems	2023	Proceeding Not Published	Proceeding Not Published
4	Mr. Raahul Krishna	Design and Analysis of Subsonic Wind Tunnel	International Conference on Ineelligent Robotics, Mechatronics and Automation Systems	2023	Proceeding Not Published	Proceeding Not Published
5	Mr. Sanjay Lohar	An Enhancement of Machine Maintenance Strategy through IoT to improve Productivity for Indian SMEs	International Conference on Ineelligent Robotics, Mechatronics and Automation Systems	2023	Proceeding Not Published	Proceeding Not Published
6	Dr. Ashish Chaudhari	Design and Development of a system for enhancing the life	First International Conference on Advancements in	2023	Proceeding Not Published	Proceeding Not Published



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		of the WEDM Filter	Materials, Manufacturing & Automation (AMMA-2023)			
7	Mr. Kamlesh Bachkar	Performance Analysis of Air conditioning System Utilizing Condensate	Mechanical Engineering : Researches and Evolutionary Challenges (ICMech-REC-2023)	2023	Proceeding Not Published	Springer
8	Mr. Kamlesh Bachkar	Real Time monitoring & Prescriptive maintenance of Regregeration System using Machine Learning	Mechanical Engineering : Researches and Evolutionary Challenges (ICMech-REC-2023)	2023	Proceeding Not Published	Springer
9	Mr. Mukund Kavekar	Design and development of wheelchair for paraplegic and Quadriplegic Patients	Mechanical Engineering : Researches and Evolutionary Challenges (ICMech-REC-2023)	2023	Proceeding Not Published	Springer
10	Mrs. Priti Vairagi	Automatic Sorting And Packaging Of Moulded Parts Through Conveyor	National Conference on Advances in Materials and processes for Sustainable Applications	2023	Proceeding Not Published	Proceeding Not Published
11	Mrs. Priti Vairagi	Segration of plastic bottle using artificial Intelligence	International conference on Innovation in Mechanical and civil Engineering	2023	Proceeding Not Published	Proceeding Not Published
12	Mr. Rishabh Melwanki	CFD analysis of Cactus and Inverted Trapezoidal shape fin profile for four stroke IC engine	3rdInternational Conference on Recent Advancements in Mechanical Engineering ICROME2022	2022	Proceeding Not Published	Proceeding Not Published



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13	Dr. Umesh Mane	Reverse Engineering approach by using data analytics through web scraping for mechanical product design	5th International Conference on Emerging Trends in Mechanical and Industrial Engineering - 2022(ICETMIE-2022)	2022	Proceeding Not Published	Proceeding Not Published
14	Dr. Ashish Chaudhari, Mr.Vinay Patel, Dr. Uday Aswalekar	Performance and Analysis of nanomaterial with organic fruit derived dye materials based Sensitized Solar Cells.	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-2021)	2021	Proceeding Not Published	Proceeding Not Published
15	Dr. Ashish Chaudhari, Mr.Vinay Patel and Dr.Uday Aswalekar	Organic Dye based sensitized solar cells: A performance study	International Conference on International Conference on Theoretical Applied Computational And Experimental Mechanics (ICTACEM2021)	2021	Proceeding Not Published	Proceeding Not Published
16	Dr. Ashish Chaudhari, Mr.Vinay Patel	Compressed biogas fuel performance enhancement under variable compression ratio accompanied with variable ignition location spark ignition engine	Recent Trends in Thermal and Fluid Sciences	2021	978-981-19-3498-8_13	SPRINGER
17	Mr. Ganesh Wahile, Dr. Uday Aswalekar	To Improve Performance of Photovoltaic module Using Various Cooling Method: A Review	International Conference on Advancements and Futuristic Trends in Mechanical and	2021	In Process	Proceeding Not Published



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			Materials Engineering (AFTMME-2021)			
18	Mr. Ganesh Wahile, Dr. Uday Aswalekar	Design and Analysis of Brake Caliper for Hydraulic Brake	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-2021)	2021	In Process	Proceeding Not Published
19	Mr. Ganesh Wahile	Experimental Study of Combine Water Cooling, Air Cooling and Water Heating Breaker	AICTE Sponsored International E-Conference on Mechanical and Materials Science Engineering : Innovation and Research (ICMMSE : IR 2021)	2021	Proceeding Not Published	Proceeding Not Published
20	Mr. Ganesh Wahile	Design and Analysis of Brake Rotor and Pedal for Hydraulic Brake	AICTE Sponsored International E-Conference on Mechanical and Materials Science Engineering : Innovation and Research (ICMMSE : IR 2021)	2021	Proceeding Not Published	Proceeding Not Published
21	Mr. Ganesh Wahile	Electricity Generation Using Speed Braker	AICTE Sponsored International E-Conference on Mechanical and Materials Science	2021	Proceeding Not Published	Proceeding Not Published



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			Engineering : Innovation and Research (ICMMSE : IR 2021)			
22	Mr. Sanjay Lohar	Design and Analysis of independent suspension system of FSAE vehicle	Recent Advances in Manufacturing (RAM-2021,	2021	Proceeding Not Published	Proceeding Not Published
23	Mr. Raahul Krishna	Design and fabrication of pipe and rod bending machine	International Conference on Recent Trends and Research in Engineering and Science(ICRTRES2K21)	2021	2456-236X	IJIIRD
24	Mr. Ganesh Wahile	Artificial Intelligence for Prediction of Performance and Emission Parameters of CI Engine using Bio-Fuel	AIP conference proceeding	2021	978-0-7354-4121-7	AIP conference proceeding
25	Dr. Uday Aswalekar AND Mr.Rishabh Melwanki	Design of an innovative refrigerated display cabinet	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT JORUNAL
26	Dr. Ashish Chaudhari,Mr.Vinay Patel	Experimental Evaluation of Vortex Tube Type Jet Wind Turbine Performance	8th International and 47th National Conference on Fluid Mechanics and Fluid Power (FMFP-2020)	2020	Proceeding Not Published	NA
27	Dr. Uday Aswalekar	Ilmenite-sulphuric acid digestion pressure vessel: design and analysis	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT JORUNAL



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28	Dr. Uday Aswalekar	Optimization of suspension parameters using LOTUS shark suspension analyser	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
29	Mr. Dipak Choudhari	Development of external aerodynamics of an FSAE racecar using computational fluid dynamics	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
30	Mr. Dipak Choudhari	Noise and emission control of a single cylinder diesel engine & heat recovery using aqua silencer.	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
31	Dr. Ashish Chaudhari	Design and development of inline two wheeler self-balancing electric bike	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
32	Dr. Ashish Chaudhari	Design and manufacturing of dye sensitized solar cell assembly machine	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
33	Dr. Ashish Chaudhari	Optimization of variable compression ratio accompanied with variable injector location in DI diesel engine using renewable fuels	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
34	Ms. Madhumita Dutta	Design, manufacturing and analysis of integrated motor and fan assembly	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
35	Ms. Madhumita Dutta	Design and manufacturing of a lower limb exoskeleton	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal



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36	Ms. Madhumita Dutta	Road safety system	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
37	Mr. Swapnil Mane	Design and fabrication of solar water heater using Fresnel lens	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
38	Mr. Swapnil Mane, Vishwas Palve and Parag Sarode	A systematic overview of India's Smart City Mission	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
39	Mr. Swapnil Mane	Experimental investigations of a solar oven for domestic cooking	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
40	Mr. Sanjay Lohar	Optimisation of power and torque with reduction of exhaust noise	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
41	Mr. Sanjay Lohar	Numerical and Experimental analysis on draw die parameters for a tapered shell	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
42	Mr. Vishwas Palve, Mr. Swapnil Mane, Mr. Parag Sarode	Numerical investigation of variable tube diameter helical coil heat exchanger	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
43	Ms. Priti Vairagi	Review of fatigue crack growth and microstructure of rail	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
44	Ms. Priti Vairagi	Design and development of mango grafting machine	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal



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45	Mr. Mukund Kavekar	Design and development of underground digging explosive robot for military application	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
46	Mr. Mukund Kavekar	Oil skimming using electromagnetism	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
47	Mr. Tusharkumar Raut	Design development and fabrication of preheating chamber for upset forging	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
48	Mr. Tusharkumar Raut	Design and development of double head chamfer machine	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
49	Mr. Kamlesh Bachkar	Automatic feeding mechanism for embossing of welding rods	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
50	Mr. Vishwas Palve	Portable Biogas Purification System using NaOH water Scrubber, iron wool and silica gel	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
51	Dr. Harish Vankudre and Ms. Apurva Pendbhaje	Producer gas generation by agricultural waste	National conference on technical Advancement for social upliftment	2020	ISSN 2278-0181	IJERT Journal
52	Dr. Uday Aswalekar			2019	9786139471829	LAP LAMBERT Academic Publishing