

**D.Y.Patil.College of Engineering Akurdi Pune -44**

**Department of Mechanical Engineering**

**Research Publications**

**A. Faculty Publication 2017-18**

<b>Sr. No</b>	<b>Title of Paper</b>	<b>Journal Name</b>	<b>Date and Year of Publication</b>	<b>Name of Authors</b>	<b>DOI No</b>	<b>Volume &amp; Pages</b>	<b>ISSN No</b>	<b>Impact factor</b>
1	Carbon Fibre in Automobiles	International Journal for Research & Development in Technology	Jul-17	Prantik Goswami,Swapnil V. Ghogardare	NA	Volume-8,Issue-1	ISSN (O) :- 2349-3585	
2	Experimental Investigation on Performance Charectristics of Plastic oil (B40) Blended With Nano-Particals in Diesel Fuel	International Journal for Research & Development in Technology	Jul-17	Swapnil V Ghogardare,Sumit Kothawade,Kedareshwar Konale,Aishvarya kharat,Pooja Mote	NA	Volume-7,Issue-6	ISSN (O) :- 2349-3585	
3	Study of Fuel Consumption Meter Advanced (FCMA) Using Mechanical Exciter Machine	International Journal for Science and Advance Research In Technology	Jul-17	Aniket Khambayatkar , Tapobrata Dey	NA	Volume 3 Issue 7	ISSN [ONLINE]: 2395-1052	
4	Analysis of Thermal Performance of Serpentine Tube in Tube Heat Exchanger	© Springer International Publishing AG 2018 P.M. Pawar et al. (eds.), Techno-Societal 2016	Jul-17	Gayakwad Shiwaji, Nitnaware Pravin and Tapobrata Dey	DOI 10.1007/978-3-319-53556-2_18	169-182	NA	
5	Development of Side Door Intrusion Beam of Passenger Car For Maximum Bending	International Journal for Science and Advance Research In Technology	Aug-17	Mr. Yogesh K. Nichit, Prof. Arun. K. Battu	NA	Volume 3 Issue 8	ISSN [ONLINE]: 2395-1052	
6	Performance and Emission Analysis of Variable Compression Ratio Single Cylinder Diesel Engine for Jatropa and Soybean Oil Biodiesel Blends with diesel	International Journal for Science and Advance Research In Technology	Jul-17	Rahul E. Saykar , Tapobrata Dey	NA	Volume 3 Issue 7	ISSN [ONLINE]: 2395-1052	

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7	Design, Development And Performance Evaluation of Self Locking Dual Worm Gears Manufactured By FDM Process	International Journal for Science and Advance Research In Technology	Jul-17	Swapnil Ramdas Jagdale , Prof. Ravindra Lahane	NA	Volume 3 Issue 7	ISSN [ONLINE]: 2395-1052	
8	Design Development Analysis And Performance Evaluation Of Conventional Brakes In Two Wheeler:A Review	International Journal for Science and Advance Research In Technology	-MAY 2017	Vivek A. Kamble, Arun Kumar Battu	NA	Volume 3 Issue 5	ISSN [ONLINE]: 2395-105	
9	Development and FEA Analysis of FRP Butt Joint To Join Two Dissimilar Materials	International Journal for Science and Advance Research In Technology	May-17	Shivraj Gurav, Dr D.R. Panchgade	NA	Volume 3 Issue	ISSN [ONLINE]: 2395-1052	
10	HYDRAULIC OIL COOLING WITH APPLICATION OF HEAT PIPE	International Research Journal of Engineering and Technology (IRJET)	Sep-17	Mr. Sachin Marjapure, Mr. Santosh Kumar Bawage	NA	Volume: 04 Issue: 09	e-ISSN: 2395-0056 p-ISSN: 2395-0072	
11	Study of Forces Acting on Excavator Bucket While Digging	Journal Appl Mech Eng, an open access journal	2017...	Khedkar Y, Dey T and Padasalagi Y	DOI: 10.4172/2168-9873.1000282	Volume 6 Issue 5	ISSN: 2168-9873	6.5 (peer reviewed)
12	Friction Stir Welding of Polymer: A Review	5th International Conference on Innovative Trends in Science, Engineering and Management	17th september 2017	Parth Sas, Sushama Kadam, Yamini Chavhan, Minal Parate, Omkar Kotulkar, Vijaykumar S. Jatti	NA	NA	ISBN 978-93-86171-66-5	

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13	Design Development Analysis And Performance Evaluation Of Conventional Brakes In Two Wheeler:A Review	International Journal for Science and Advance Research In Technology	May-17	Vivek A. Kamble , Arun Kumar Battu	NA	Volume 3 Issue 5	ISSN [ONLINE]: 2395-1052	
14	Design Development Analysis and Performance Evaluation of Perimeter Brakes in Two Wheeler	International Journal for Scientific Research & Development	2017	Vivek A. Kamble1 Arun Kumar Battu2	NA	Vol. 5, Issue 07	ISSN (online): 2321-0613	
15	Numerical Modeling of Flow over an Ogee Crested Spillway under Radial Gate: VOF and MMF Model	Journal of Applied oJ Mechanical Engineering	2017	Date V , Dey T and Joshi S	DOI: 10.4172/2168-9873.1000287	Volume 6 • Issue 5 • 1000287	ISSN: 2168-9873	6.5 (peer reviewed)
16	Design optimization of CAD model	Selection and Peer-review under responsibility ofthe Committee Members of International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM-2016)	2017	Ramakrishnan Balaji Iyera VijayKumar Jatti , Yeshpal Yadav , Anurag Verma , Jaimin Desai , C.P. Dewan	NA	7357–7364	NA	peer reviewed
17	Comparative Study of Dielectric Fluid in Powder Mixed Electro – Discharge Machining	International Journal for Scientific Research & Development	2017	Vaibhav V. Phule , Laxman P. Khose	NA	Vol. 5, Issue 10	ISSN (online): 2321-0613	
18	A Study on Stair Climbing Mechanism using Epicyclic Gear Train	International Journal for Scientific Research & Development	2017	Vaibhav V. Phule , Laxman P. Khose	NA	Vol. 5, Issue 09	ISSN (online): 2321-0614	

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19	Stress Analysis of Glass/Epoxy Symmetric and Asymmetric Composite Laminated Plate by using Finite Element Method in MATLAB	International Journal for Scientific Research & Development	2017	Nirmala H. Bhingare, Swati K. Dhamale, Sadhana H. Bhingare	NA	Vol. 5, Issue 10	ISSN (online): 2321-0613	
20	Stress Analysis of Hybrid Laminated Composite Plate by using Finite Element Method in MATLAB	International Journal for Scientific Research & Development	2017	Nirmala H. Bhingare1 Vitthal H. Bhingare2 Sadhana H. Bhingare3	NA	Vol. 5, Issue 10	ISSN (online): 2321-0613	
21	Experimental Investigation in Friction Drilling on Copper and Aluminum Component by Using Tungsten Carbide Tool	International Journal for Science and Advance Research In Technology	2017	Vinayak W Bembekar*, Swapnil Y Taware	NA	Vol. 3, Issue 12	ISSN (online): 2395-1052	
22	Forming Analysis using Pamstamp 2G	international journal for science and advance research in technology	Jan-18	Deepak Patil, Sunil Patil, Vipin Chopade	NA	Vol. 4, Issue 1	ISSN [ONLINE] : 2395-1052	
23	Fabrication of Semi-Automatic Dish Washing Machine	International Journal of Engineering Science and Computing, May 2018	May-18	Vrushali Jitendra Hude , Amruta Daundkar , Gayatri Awagan, Shweta Shende	NA	Volume 8 Issue No.5	ISSN 2321 3361	
24	Performance of Heat Pipe and its Application for Dehumidification and Air Conditioning	International Journal on Theoretical and Applied Research in Mechanical Engineering (IJTARME) V-7 Issue-1, 2018	2018	Sunil S Patil, Deepak S Patil, Sunil Yadav	NA	V-7 Issue-1	ISSN (Print): 2319-3182	
25	Design and Fabrication of Twin Integrated Hydraulic Master Cylinder	International Journal of Advance Research and Innovative Ideas in Education	2018	Akshay N Markad, Sangramsing D Parmar, Sachin R Patil, Anushree K Lakhpati, Sunil S Patil	NA	Vol-4 Issue-3	ISSN(O)-2395-4396	4.6
26	Dehumidification And Air Conditioning Using Heat Pipe	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)	2018	Sunil S Patil, Deepak S Patil, Rohit P Patil	NA	v-5 special issue 2018		
27	Study of Shell and Tube Heat Exchanger with the Effect of Types of Baffles	Procedia Manufacturing	2018	P Bichkar, O Dandgaval, P Dalvi, R Godase		Vol. 20, pp. 195-200	ISSN: 2351-9789	0.8

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28	Multi-Characteristics Optimization in EDM of NiTi Alloy, NiCu Alloy and BeCu Alloy using Taguchi's Approach and Utility Concept	Alexandria Engineering Journal	2018	Vijaykumar S. Jatti	Accepted			
29	Titanium oxide nanoparticles as additives in engine oil	Journal of King Saud University - Engineering Sciences	2018	Meena Laad, Vijaykumar S. Jatti	<a href="https://doi.org/10.1016/j.jksues.2016.01.008">doi.org/10.1016/j.jksues.2016.01.008</a>	Vol. 30 (2), pp. 116-122	ISSN: 1018-3639	0.682
30	DESIGN OF PICK AND PLACE MACHINE FOR FORGED CYLINDRICAL PARTS	International Journal of Advances in Arts, Sciences and Engineering	2018	Vinod Chavan, Niraj Bobade, Amit Zanke, Mayur Bhoje, Vijaykumar S Jatti	NA	Vol. 6 (13), pp. 1-7	ISSN: 2320-6144	NA
31	Study on Effect of Tool Pin Profile during Friction Stir Welding of Plastics	International Journal of Advances in Arts, Sciences and Engineering	2018	Bhairav Patel, Vijaykumar S. Jatti, Rahul Dhabale	NA	Vol. 6 (13), pp. 1-5	ISSN: 2320-6144	NA
32	PRODUCTIVITY IMPROVEMENT OF ROBOTIC WELDING PROCESS	International Journal of Advances in Arts, Sciences and Engineering	2018	Akshaykumar P. Patel, Adityashankar V. Sharma, Bhoomiraj J. Solanki, Sagar B. Musale, Vijaykumar S. Jatti	NA	Vol. 6 (13), pp. 1-9	ISSN: 2320-6144	NA
33	Design and Effects of the Fluoropolymer Tube used in the Development of the Multi Tube Heat Exchanger	International Journal of Current Engineering and Technology	(June 2017)	Dilpreet Kaur Hora* , Nitnaware Pravin T and Tapobrata Dey	NA	Vol.7, No.3	E-ISSN 2277 – 4106, P-ISSN 2347 – 5161	6.125
34	Design of Suspension and Steering system for an All Terrain vehicle and their interdependence	International journal of Advance Research and Innovative Ideas in Education	2018	Saurabh Wanganeekar, Chinmay Sapkale, Priyanka Chothe, Reshma Rohkale, Samadhan Bhosale	NA	Volume 4, issue 3	ISSN(O)-2395-4396	
35	Experimental and Theoretical Analysis of Tripple concentric tube heat exchanger	Internation journal of Advanced Research and Innovative ideas in Education	04-Jun-18	Abhijeet Baban Mohite, Pravin Mahadev Shinde, Deepakkumar Sharma	16.0415/IJARII E-8595	Volume 4 Issue 3 2018	ISSN: 2395-4396	
36	Bladeless Turbine for low pressure recovery	International Journal of Modern trends in Engineering and Research	Jun-18	Roshan Kumar, Saiprasad Shirke, Deepak Sharma	10.21884/IJMTE R.2018.5160.WR OS9	Issue 6 Volume 5 (06 - 2018)	ISSN:2349-9745	5.278
37	Design of a Wing with Bell-shaped Span-load using VLM Method	International Journal of Engineering Trends and Technology (	04 th May 2018	Akshay Rasane2 , Ajay Jadhav3 , Om Vaishnav4 , Sandip Mirdude5	NA	Volume 59	ISSN: 2231-5381	

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38	Experimental and Theoretical Analysis of Tripple concentric tube heat exchanger	Internation journal of Advanced Research and Innovative ideas in Education	04-Jun-18	Abhijeet Baban Mohite,Pravin Mahadev Shinde,Deepakkumar Sharma	16.0415/IJARII E-8595	Volume 4 Issue 3 2018	ISSN: 2395-4396	
39	Experimental investigation in friction drilling on copper and aluminum component by using tungsten carbide tool	International Engineering Research Journal	2018	Swapnil Y Taware, Saujanya Kulkarni, Anjana Chiwade, Sayali Kshirsagar	NA	MD Infotech Special Edition	ISSN: 2395-1621	
40	Split Casing Open Differential without Cross pin and it's comparison with Single Piece Casing Differential with Single Piece Casing Differential	International Research Journal of Engineering and Technology (IRJET)	Feb-18	Rushiraj Kadge1, Vaibhav Mohale2, Kaustubh Kakade3, Prashant Biradar4, Swapnil Taware5	NA	Volume: 05 Issue: 02	e-ISSN: 2395-0056 p-ISSN: 2395-0072	6.171
41	DESIGN AND VIBRATION ANALYSIS OF SCREW COMPRESSOR	IJARII-E, IJARIE-	May-30	Ankita Mozar*1,Komal Mahanavar*2,Snehal Kedar*3 Aboli Barge*4,Mr. Ravindra Lahane5	NA	Volume: 04 Issue: 03	SSN(O)-2395-4396 , ISSN(O)-2395-4396 8630 www.	5.278
42	Multi-Crop Harvesting Machine	International Research Journal of Engineering and Technology (IRJET)	May-18	Mr. Ravindra Lahane1, Ankush Fuse2,Shantanu Dahake3,Saurabh Wakchaware4, Parth Ditanwala5	NA	Volume: 05 Issue: 05	e-ISSN: 2395-0056,p-ISSN: 2395-0072	6.171
43	Static and Dynamic Behaviour of Radial Gate of Dam?	International Journal for Science and Research and Development [IJSRD]	July 2017.	Mahesh P. Chaudhari1, Shashikant N. Joshi2, Ravindra S. Lahane3		Volume 3, Issue 3	Issn No.:2350-1146,	2.71
44	Analysis of Spillway Radial Gate of Dam for Gate Openings at Various Distances	IJSRD - International Journal for Scientific Research & Development	2017	Mahesh P. Chaudhari1 Ravindra S. Lahane2		Vol. 5, Issue 05	ISSN (online): 2321-0613	
45	Design, Development And Performance Evaluation of Self Locking Dual Worm Gears Manufactured By FDM Process	IJSART	Jul-17	Swapnil Ramdas Jagdale1, Prof. Ravindra Lahane2		Volume 3 Issue 7	ISSN [ONLINE]: 2395-1052	