

**Dr. Vithalrao Vikhe Patil College of Engineering, A'nagar**  
**Index of Paper Publication of Faculty**  
**Department Mechanical Engineering**

Sr No	Name of Faculty	Authors	Title	Year	Journal name	Volume/issue no	Publisher	ISBN/ISSN
01	<b>Dr. K. B. Kale</b>	Kale Kishor Bhaskar, B. Gurumoorthy	Medial Axis Transform for Tolerance Verification	2011	Computer Aided Design & Applications	8 / 5	Taylor and Francis Online	1686-4360
		Kale Kishor Bhaskar, B. Gurumoorthy	Profile Tolerance Verification for Free-form Surfaces using Medial Axis Transform	2013	Procedia CIRP Journal ELSEVIER	10/1	Procedia CIRP, Elsevier	2212-8271
		Kale Kishor Bhaskar, Garudkar Pratap	Surface Generation Technique in view of FEA	2013	ILCRMEHS	1	Sahyadri Institute of Management, Pune	2320-1185
		Kale Kishor Bhaskar, Sangale Prabhakar S	Life prediction of Bearing using Vibration Analysis	2015	International Engineering Research Journal	2	International Engineering Research Journal	2395-1621
		Kale Kishor Bhaskar, Ghorpade Dattatray S	Design and Analysis of Composite Propeller Shaft for Automotive Application	2015	International Engineering Research Journal	2	International Engineering Research Journal	2395-1621
		Kale Kishor Bhaskar Sangale Surekha S	Performance Analysis of Composite Leaf Spring	2015	International Engineering Research Journal	2	International Engineering Research Journal	2395-1621
		Kale Kishor Bhaskar, Shinde Prashant R	Numerical Simulation of Dynamic Impact test for Optimized Automobile Wheel Rim	2016	International journal of Engineering and Techniques	2/5	International journal of Engineering and Techniques	2395-1303
		Kale Kishor Bhaskar,	Wear Rate Investigation of Aluminium Based Silicon	2016	International Journal for	3/4	International Journal for	2349-6010

		Dhatrak Anil Ratan	Carbide Metal Matrix Composite Embedded with Copper		Innovative Research in Science & Technology (IJIRST)		Innovative Research in Science & Technology	
		Kale Kishor Bhaskar, Vikas Gorakh Pathade	CFD Analysis & Experimental Investigation of NACA 0018 Blade Profile for Darrieus Turbine	2016	IPASJ International Journal of Mechanical Engineering	4/8	IPASJ	2321-6441
		Kale Kishor Bhaskar, Dengale S S	Design of Radial Pulse Detector	2017	International Research Journal of Engineering and Technology (IRJET)	4/12	International Research Journal of Engineering and Technology	2395 - 0072
		Kale Kishor Bhaskar, Jaware Abhishek	Vibration Analysis and Weight Reduction for Compressor Mounting Bracket Using Composite Material	2018	International Research Journal of Engineering and Technology (IRJET)	5\8	Editor, IRJET	2395-0056
		Kale Kishor Bhaskar, Sanap Vanita Sudam	Wear Rate Investigation of Copper Based Metal Matrix Composite	2019	Journal of Interdisciplinary Cycle Research	XI/X	Journal of Interdisciplinary Cycle Research	0022-1945
		Kale Kishor Bhaskar, Halnor Siddhant Suresh	Design and Development of Automotive Interior Plastic Map Pocket For Multi-Material 3D Printing	2019	International Journal for Science and Advance Research In Technology	5/9	IJSART	2395-1052
		Kale Kishor Bhaskar Pawar Nikhil	An investigation of causes of failures of induction motors in stone crusher application and to identify remedies to overcome the	2020	International Research Journal of Engineering and Technology	7/7	Editor, International Research Journal of Engineering and Technology	2395-0056

			failures		(IRJET)			
		Kale Kishor Bhaskar Rakesh Auti	Factors Affecting the Noise Generation from Metal Fan of Three Phase Induction Motor	June 2020	International journal of Research in Engineering application and management	6/3	International journal of Research in Engineering application and management	2454-9150
		Kale Kishor Bhaskar Malesh S. Kadam	Life Estimate of Front Axle Heavy-Duty Truck	July 2021	International Journal of All Research Education and Scientific Methods (IJARESM),	vol-9 issue 7	IJARESM Publication,	ISSN: 2455-6211
02	<b>Dr. R. R. Navthar</b>	Dr. R. R. Navthar	Stability analysis of Hydrodynamic journal bearings using stiffness Coefficients	Vol.2 Issue 2 Feb 2010.	International Journal of Engg Science and Technology	Vol.2 Issue 2 Feb 2010.	International Journal of Engg Science and Technology	ISSN:0975- 5462
			Forced damped vibration : frequency response curve for steel and aluminum	Vol.3 Oct 2011	International journal of Engineering science and technology	Vol.3 Oct 2011	International journal of Engineering science and technology	ISSN:0975- 5462
			Analysis of Oil film Thickness in Hydrodynamic journal bearing using Artificial Neural Networks	Vol. 3. No.12, Nov 2011	CiiT International journal of artificial intelligent system and machine learning,	Vol. 3. No.12, Nov 2011	CiiT International journal of artificial intelligent system and machine learning,	ISSN: 0974- 9667
			Computational fluid dynamics: computer simulation	Vol.1 2011	ASME, Proceedings of International conference on computer technology and development- ICCTD 2011	Vol.1 2011	ASME, Proceedings of International conference on computer technology and development- ICCTD 2011	ISBN:97807918 59919

			Industrial CO2 Reduction: Environmental View	Vol.1 2011	ASME, Proceedings of International conference on computer technology and development- ICCTD 2011	Vol.1 2011	ASME, Proceedings of International conference on computer technology and development- ICCTD 2011	ISBN:97807918 59919
			Application of Artificial neural network in Pressure distribution analysis of Hydrodynamic journal bearings	Vol.1 2011	ASME, Proceedings of International Conference on Computer Technology and Development, 3rd (ICCTD 2011)	Vol.1 2011	ASME, Proceedings of International Conference on Computer Technology and Development, 3rd (ICCTD 2011)	ISBN: 9780791859919
			Pressure distribution analysis of hydrodynamic journal bearing using artificial neural networks	Vol.1 2012	ASME, Proceedings of International Conference on Computer and Automation Engineering, 4th (ICCAE 2012)	Vol.1 2012	ASME, Proceedings of International Conference on Computer and Automation Engineering, 4th (ICCAE 2012)	ISBN: 9780791859940
			Controlling co2 Emissions from power plants : A Environmental View	Vol.11 0-116 2012	Applied mechanics and material	Vol.110-116 2012	Applied mechanics and material	ISSN: 1662- 7482
			Experimental investigation of oil film thickness for hydrodynamic journal bearing	Vol.11 0-116 2012	Applied mechanics and material	Vol.110-116 2012	Applied mechanics and material	ISSN: 1662- 7482
			Management of non conventional energy resources	Vol. No. 5 2012	The international journal's research journal	Vol. No. 5 2012	The international journal's research journal of commerce	ISSN: 2251- 1547

				of commerce			
		Design and Analysis of Cylinder and Cylinder head of 4-stroke SI engine for weight reduction,	Vol.4 No.03 Mar 2012	International journal of Engg. Sciences & technology.	Vol.4 No.03 Mar 2012	International journal of Engg. Sciences & technology.	ISSN:0975-5462
		CFD analysis of Francis turbine	Vol. 4 No.07 July 2012	International journal of Engg. Sciences & technology,	Vol. 4 No.07 July 2012	International journal of Engg. Sciences & technology,	ISSN:0975-5462.
		System identification of hydrodynamic journal bearings using oil film thickness measurement	Vol 4, No.05 May 2012	CiiT International journal of artificial intelligent system and machine learning,	Vol 4, No.05 May 2012	CiiT International journal of artificial intelligent system and machine learning,	ISSN:0974-9667.
		System identification of hydrodynamic journal bearings using oil pressure measurement	Vol. 4, No. 08. Aug 2012	CiiT International journal of artificial intelligent system and machine learning , Print	Vol. 4, No. 08. Aug 2012	CiiT International journal of artificial intelligent system and machine learning , Print	ISSN:0974-9667.
		Analysis of condition in boundary lubrications using bearing material	Vol. 4 , Issue 14, July 2014	International journal of modern engg research	Vol. 4 , Issue 14, July 2014	International journal of modern engg research	ISSN: 2249-6645.
		Design and implementation of Disc brake rotor by using modified shape	Vol. 2, Issue 3, March 2015	International journal of innovative science, Engg and Technology,	Vol. 2, Issue 3, March 2015	International journal of innovative science, Engg and Technology,	ISSN: 2348-7968.
		Optimization of Disc Brake Rotor with Modified	Vol.3 Issue.3,	International Journal Of	Vol.3 Issue.3,	International Journal Of	ISSN: 2321-3051

			Shape	March 2015.	Research In Aeronautical And Mechanical Engineering	March 2015.	Research In Aeronautical And Mechanical Engineering	
			Low profile tire impact on double wishbone suspension	Vol. 2 , <u>Dec 2015</u>	International journal of innovative Engg research and Technology,	Vol. 2 , <u>Dec 2015</u>	International journal of innovative Engg research and Technology,	ISSN: 2394-3696.
			Performance Optimization of Tie rod using FEA	Volume 11, Issue 03 March 2015	International Journal of Engineering Research and Development	Volume 11, Issue 03 March 2015	International Journal of Engineering Research and Development	ISSN: 2278-067X ISSN: 2278-800X
			Design and modification of rollers in tracks of surface drilling machines	Vol. 2 , 2015	International journal of innovative Engg research and Technology,	Vol. 2 , 2015	International journal of innovative Engg research and Technology,	ISSN 2394-3696.
			Optimization of Suspension System for Whole Body Vibration	Vol.1, Issue 2, 2015.	International Engineering Research Journal,	Vol.1, Issue 2, 2015.	International Engineering Research Journal,	ISSN 2395-1621
			Parametric investigation of single point incremental forming of commercial aluminium alloy	Vol. 2, 2015	International Journal of innovative Engineering Research and Technology,	Vol. 2, 2015	International Journal of innovative Engineering Research and Technology,	ISSN , 2394-3696.
			Analysis and optimization of chain conveyor outer link	Vol. 4, Issue 8, Aug 2015	International journal of innovative science, Engg. and Technology,	Vol. 4, Issue 8, Aug 2015	International journal of innovative science, Engg. and Technology,	ISSN 2319-8753
			Double wishbone	Vol.3,	in International	Vol.3,	in International	ISSN, 2321-

			suspension analysis for elastic centre, castor trial and standard kinematic analysis	No.12, Dec 2015	journal of research in advent Technology,	No.12, Dec 2015	journal of research in advent Technology,	9637
			Vibration measurement and noise control in planetary gear train	Special Issue 2, Nov 2015	International journal of innovative science, Engg and Technology	Special Issue 2, Nov 2015	International journal of innovative science, Engg and Technology	ISSN 2395-1621
			Tribological Investigation and Development of Brass composite Bearing Material	Vol.5, No.2 April 2015	International Journal of Current Engineering and Technology	Vol.5, No.2 April 2015	International Journal of Current Engineering and Technology	ISSN 2277 – 4106, ISSN 2347 – 5161
			Roller chain conveyor link failure Analysis & optimization	Special Issue 2 Nov 2015	International Engineering Research Journal (IERJ)	Special Issue 2 Nov 2015	International Engineering Research Journal (IERJ)	ISSN 2395-1621
			Computational Fracture Me Cold Rolled Mild Steel by C	Special Issue 2, Nov. 2015,	International Engineering Research Journal (IERJ)	Special Issue 2, Nov. 2015,	International Engineering Research Journal (IERJ)	ISSN 2395-1621
			An Overview on Vibration Analysis Techniques used for the Fault Diagnosis of Rolling Element Bearing	V-5 No.1 Feb. 2016	Special Issue on International Journal on Theoretical and Applied Research in Mechanical Engineering	V-5 No.1 Feb. 2016	Special Issue on International Journal on Theoretical and Applied Research in Mechanical Engineering	ISSN : 2319-3182,
			Digital Image Correlation Technique for Strain Measurement of Aluminum Plate	Vol.39, Issue 6, Sep 2016.	International Journal of Engineering Trends and Technology,	Vol.39, Issue 6, Sep 2016.	International Journal of Engineering Trends and Technology,	ISSN 2231-5381
			Digital Image Correlation Technique for Strain Measurement of	Vol.8, Issue 9, 2016.	CiiT International Journal of	Vol.8, Issue 9, 2016.	CiiT International Journal of Digital Image Processing	ISSN: 0974 – 9586

			Aluminum Plate		Digital Image Processing			
			Experimental And Numerical Studies On Single Point Incremental Forming Of Commercial Aluminium	Volume 4, Issue 1, September-2016	International Journal For Technological Research In Engineering	Volume 4, Issue 1, September-2016	International Journal For Technological Research In Engineering	ISSN : 2347 – 4718
			Vibration Analysis and Fault Diagnosis of Induction Motor Bearing Using Artificial Neural Network (ANN)	Volume 2 Issue 5, Sep – Oct 2016	International Journal of Engineering and Techniques -	Volume 2 Issue 5, Sep – Oct 2016	International Journal of Engineering and Techniques -	ISSN: 2395-1303
			Optimization of Process parameters of Friction Stir Welding for Similar HE-30 Aluminum Alloy	Vol.4, Issue 7, 2017	International Research Journal of Engineering and Technology	Vol.4, Issue 7, 2017	International Research Journal of Engineering and Technology	ISSN 2395-0056
			To Analyze the Effect of Silicon Carbide and Carbon Nanotubes on Wear Behaviour of Aluminum	Vol.3, Issue 5, 2017.	International Journal of Advance Research And Innovative Ideas in Education	Vol.3, Issue 5, 2017.	International Journal of Advance Research And Innovative Ideas in Education	ISSN 2395-4396
			Application of Digital Image Correlation for Curved Surfaces to determine Deformation	Vol.3, Issue 5, 2017.	International Journal of Advance Research And Innovative Ideas In Education,	Vol.3, Issue 5, 2017.	International Journal of Advance Research And Innovative Ideas In Education,	ISSN 2395-4396
			Investigation of Weld Strength for Different Weld Conditions Using	Volume 4, Issue 7, July	International Journal of Advance	Volume 4, Issue 7, July -2017	International Journal of Advance Research	ISSN: 2393-9877, ISSN: 2394-2444



			Design of Experiment and Experimentation”	-2017	Research in Engineering, Science & Technology		in Engineering, Science & Technology	
			Tribological Investigation and development of Tin based Babbit Composite material	Volume : 05 Issue: 07 July 2017	International Research Journal of Engineering and Technology	Volume: 05 Issue: 07 July 2017	International Research Journal of Engineering and Technology	ISSN: 2395-0056 ISSN: 2395-0072
			Design and Validation of Involute Spur Gear with Asymmetric Teeth to Improve Bending Load Carrying Capacity	Vol. 5, Issue 3, Sep. 2017,	International Journal of Thesis Projects and Dissertations (IJTPD)	Vol. 5, Issue 3, Sep. 2017,	International Journal of Thesis Projects and Dissertations (IJTPD)	--
			Wear Rate Analysis and investigation of alternating material for Food Mixer Bushing	Volume : 04 Issue: 09   Sep -2017	International Research Journal of Engineering and Technology	Volume: 04 Issue: 09   Sep -2017	International Research Journal of Engineering and Technology	ISSN: 2395-0056 ISSN: 2395-0072
			Performance analysis of heat pump by retrofitting of HFC refrigerants	Volume 3; Special Issue 2; March 2018	International Journal of Academic Research and Development	Volume 3; Special Issue 2; March 2018	International Journal of Academic Research and Development	ISSN: 2455-4197
			Optimization of tilting angle of parabolic solar dish for effective steam generation	Volume 3; Special Issue 2; March 2018;	International Journal of Academic Research and Development	Volume 3; Special Issue 2; March 2018;	International Journal of Academic Research and Development	ISSN: 2455-4197
			Experimental investigation on enhancing the engine performance by preheating the air in SI engine	Volume 3; Special Issue 2; March	International Journal of Academic Research and Development	Volume 3; Special Issue 2; March 2018;	International Journal of Academic Research and Development	ISSN: 2455-4197

				2018;				
			Experimental analysis of heat transfer performance of wavy fin heat sink with different orientation	Volume 3; Special Issue 2; March 2018	International Journal of Academic Research and Development	Volume 3; Special Issue 2; March 2018	International Journal of Academic Research and Development	ISSN: 2455-4197
			Analyzing The Wear Rate Of Bearing Material By Using Composites	Volume : 05 Issue: 08 Aug 2018	International Research Journal of Engineering and Technology	Volume: 05 Issue: 08 Aug 2018	International Research Journal of Engineering and Technology	ISSN: 2395-0056 ISSN: 2395-0072
			Tribological Behaviour of silicon nitride on addition of hexagonal boron nitride	Volume : 05 Issue: 08 Aug 2018	International Research Journal of Engineering and Technology	Volume: 05 Issue: 08 Aug 2018	International Research Journal of Engineering and Technology	ISSN: 2395-0056 ISSN: 2395-0072
			Topology Optimization of Arms and Hinges of a Combat Vehicle Using FEA†	2019	MECHPGCON 2019		MECHPGCON 2019	
			Experimental Investigation on Heat Transfer Enhancement in Hydraulic System by Finned Tube Heat Exchanger	2020	International Journal of Advanced Research in Science & Technology (IJARST)	Volume 7, Issue 2, July 2020	(IJARST)	ISSN (Online) 2581-9429
			Wear Particle Analysis Using Ferrography	2019	International Engineering Research Journal (IERJ)	Volume 3 Issue 3	International Engineering Research Journal (IERJ)	ISSN 2395-1621
			Performance analysis of single slope solar still with improved design	2020	International Journal of Ambient Energy	DOI: 10.1080/01430750.2020.1722227	Taylor & Francis Group	ISSN: 0143-0750
			Review on the types of solar stills	2020	International Journal of	<a href="https://doi.org/10.1080/">https://doi.org/10.1080/</a>	Taylor & Francis Group	ISSN: 0143-0750 (Print)

					Ambient Energy	01430750.2 019.170711 4		2162-8246 (Online) J
			An Experimental study of magnetic Abrasive Finishing process using DC magnetic Field	April 2023	Industrial Engineering Journal	16/4	Indian Institution of Industrial Engineering	ISSN: 0970-2555
03	<b>Prof. S. M. Magar</b>	Magar S M, Ugalmugale D S, Navthar R R, Patel N R	Topology Optimization of Arms & Hinges of a Combat Vehicle using FEA	May 2020	PG Conference, SPPU			Pages 1-7
		Magar S M, Waghmare R S	Comparative Experimental Analysis of Straight and Conical Coil Heat Exchange	2017	Global Research and Development Journal for Engineering (National journal)	Volume 2, Issue 7	Global Research and Development Journal for Engineering	ISSN: 2455-5703
		Magar S.M., Ghanegaonkar P.M., Kachare A.R	Study of effect of yield strength and drawing ratio over major and minor strain distribution in deep drawing process using finite element analysis and experimentation	2015	National Conference on RECENT ADVANCES MECHANICAL ENGINEERING, RAME	Pages 1-7	PDVVP COE	
		Magar S M, More S K	Design and Fabrication of Tractor Rear Loader for Constructional Applications	June 2016	PG Conference	Pages 1-7		
		Magar S.M., Ghanegaonkar P.M	Experimental and theoretical heat transfer analysis of helical coil heat exchangers with varying curvature ratio	2017	National Conference on recent advances mechanical engineering, RAME		PDVVP COE	
		Shinde S, Magar S M	Performance Analysis of composite material mono	2015	International conference	Pg No 1-6	G NH Rasoni	

			leaf spring		ICTRPCS-2015			
		Magar S.M. More Sagar Kailas	Stiffening arrangement optimization for rectangular surface condensers by parametric fem approach	2015	International Journal of Innovations in Engineering, Research and Technology	December – 2015	ICITDCEME	ISSN 2394-3696
		Magar S M,Khire M.Y	Deep drawing of cup shaped steel components: finite element analysis & experimental validation	2010	International journal of emerging technologies		International journal of emerging technologies	ISSN:0975-8364
		Magar S M,Khire M.Y	The experiment and finite element analysis of deep drawing of cup without flange	2010	International journal of emerging technologies & application in engineering	Vol-4;Issue 1	International journal of emerging technologies & application in engineering	ISSN:0974-3588
		Magar S M,Khire M.Y,Ghaneg aonkar P.M,Kachare A R	Studies on deep drawing of steel cups for variation of yield strength and drawing ratio using FEA	Jan-2013	International journal of emerging technologies & application in engineering, Technologies and sciences	Vol-4 Issue-1	International journal of emerging technologies & application in engineering, Technologies and sciences	ISSN No-2230-7680
04	Prof. R. E. Kalhapure	Rajendra E kalhapure, Ravikumar, Ravtharindra Navthar	An Experimental study of magnetic Abrasive Finishing process using DC magnetic Field	April 2023	Industrial Engineering Journal	16/4	Indian Institution of Industrial Engineering	ISSN: 0970-2555
05	<b>Prof. P. A. Narwade</b>	P. A. Narwade, H.R. Srirangarajan	Use of Hook and Maxwell Dynamic Vibration Absorber for Machine operating at two frequencies	2011	International Conference on Mechanical and Electrical Technology (ICMET-China 2011)	Vol.-1 Issue-03	ASME	DOI: 10.1115/1.8598 10.paper166

	P. A. Narwade, R.R.Navthar	Forced Damped Vibrations :Frequency Response Curve for steel and Aluminum Bars	2011	International Journal of Engineering Science and Technology	Vol.-3 Issue-10	IJEST	0975-5462
	P. A. Narwade, R.R.Navthar	Design and analysis of Cylinder and Cylinder head of 4-stroke SI Engine for weight reduction	2012	International Journal of Engineering Science and Technology	Vol-4 Issue-03	IJEST	847-853
	P. A. Narwade, H.A.Khande	Structural analysis of two wheeler handlebar	2014	International Journal of TECHNOLOGY Enhancements and Emerging Engineering Research	Vol.-2 Issue-7	IJTEEER	2347-4289
	P. A. Narwade, Kaveri Kadam	Tribological Investigation of Ferodo Lining Material Embedded with Copper and SiC particles For Clutch plate	2016	International Engineering Research Journal		IERJ	1810-1816
	P. A. Narwade, Kaveri Kadam	Optimization of Input Process Parameters for Ferodo Friction Linings Embedded with Cu and SiC for Clutch	2016	International Journal of Engineering Trends and Technology	Vol-39 Issue-4	IJETT	2231-5381
	P. A. Narwade, Subhash Khamkar	Design and Durability Testing of Composite Mono Leaf Spring	2016	International Journal of Engineering Research	Vol-5 Issue-5	IJER	2319-6890
	P. A. Narwade, M.P.Nagarka	Stiffness Analysis of passenger car tire using Nitrogen	2016	International Journal of Scientific and	Vol-6 Issue-1	IJSR Publications	2250-3153

	r, P.Y.Mhaske			Research Publications			
	P. A. Narwade, C.R.Shah, P.Y.Mhaske	Experimental Determination of Tire Stiffness using Nitrogen	2016	Journal of Experimental & Applied Mechanics	Vol-7 Issue-3	STM Journals	2230-9845
	P. A. Narwade, Supriya Deshmukh	An RSM approach to maximize fundamental frequency of e-glass poxy composite panels	2017	Journal of Advanced Research in Applied Mechanics	Vol-35 Issue-1	JARAM	2289-7895
	P. A. Narwade, S.R. Asude	Buckling Analysis of Tie rod of a Tractor and its optimization	2017	International Journal of Advance Research and Innovative Ideas in Education	Vol-3 Issue-6	IJARIE	2395-4396
	P. A. Narwade, Mayur Gite	Pressure Distribution and Load Carrying Capacity of Journal Bearing by using Bio Oil	2017	International Research Journal of Engineering and Technology	Vol-4 Issue-7	IRJET	2395-0056
	P. A. Narwade, Amit Gund	Slope Stabilization using EPS Geofom	2019	International Conference on Recent Trends in Mechanical Engineering		PREC, Loni	
	P. A. Narwade, Viraj Suryawanshi,	Design and Development of Punching Machine	2019	International Research Journal of Engineering and	Vol-5 Issue-10	IRJET	2395-0056

	Nilesh Wakade			Technology			
	P. A. Narwade, Khwaja Javeed	Optimization of Vehicle Mono Leaf Spring by using Composite Carbon Fibre Material	2019	International Journal for Science and Advance Research In Technology	Vol-5 Issue-10	IJSART	2395-1052
	P.A. Narwade, Khemnar Valmik	Experimental Investigation of Wear Rate of PTFE Composites Filled with Carbon Fiber, Mos2, Bronze Reinforcement	2020	International Research Journal of Engineering and Technology	Vol-7 Issue-7	IRJET	1246-1253
	Ms. Prachi Pagare, P. A. Narwade	Experimental and FE Analysis of modified 3D printed front collision bumper with Hexagonal Honeycomb structure	2020	International Journal of Scientific Research and Engineering Development	Vol.-06, Issue-05	IJSRED	2581-7175
	Ms. Prachi Pagare, P. A. Narwade	Flexural strength FE analysis of hexagonal honeycomb structure using 3D printing	2020	International Journal for Research in Engineering Application & Management	Vol.-06, Issue-05	IJREAM	2454-9150
	P. A. Narwade, Ajinkya Joshi	Experimental Testing of Magneto Rheological based Automotive semi-active Suspension system	2020	International Journal for Research in Engineering Application & Management	Vol.-06, Issue-03	IJREAM	2454-9150
	P. A. Narwade, Dr. Ravindra Deshmukh	Modeling and Simulation of a Semi-active Vehicle Suspension system using PID Controller	2020	IOP Conference Series: Materials Science and Engineering	1004(2020)	IOP Publishing	doi:10.1088/1757-899X/1004/1/012003
	P. A. Narwade,	A Review on Sedimentation of	2020	International Journal of	Vol 13, No.3s	SRES	1312-1320

		Dr. Ravindra Deshmukh	Magnetorheological (MR) fluid		Future Generation Communication and Networking			
		Tushar Shivaji Dhamane1 , Prof. Prashant A. Narwade2	Experimental Investigation of Particle Damper Based System Implemented on Vibration Reduction of Extension Housing for Printed Circuit Board	2021	International Journal of All Research Education and Scientific Methods	Volu-9, Issue 7	IJARESM	ISSN: 2455-6211
		P. A. Narwade, Dr. Ravindra Deshmukh	Improvement of Ride Comfort in a Passenger Car Using Magneto Rheological (MR) Damper	7-April-2022	Journal of vibration Engineering & Technologies	<a href="https://doi.org/10.1007/s42417-022-00512-0">https://doi.org/10.1007/s42417-022-00512-0</a>	springer	<a href="https://doi.org/10.1007/s42417-022-00512-0">https://doi.org/10.1007/s42417-022-00512-0</a>
		Prof P A Narwade	"Force Transmissibility Analysis of a Magneto-rheological Damper"	2-4 feb 2023	"Recent Advances in Materials, Manufacturing and Machine Learning (RAMMML-2023)"		Department of Mechanical Engineering, Yeshwantrao Chavan College of Engineering, Nagpur, Technically sponsored by NPTC Group of Colleges, United Kingdom	
		Prashant Narwade , Ravindra Deshmukh , Mahesh Nagarkar , Manoj Wagh	Experimental study and rheology of magneto-rheological fluid for a suspension system	3 march 2023	4th International Conference on Contemporary Advances in Mechanical Engineering.		Elsevier	<a href="https://doi.org/10.1016/j.matpr.2023.02.219">https://doi.org/10.1016/j.matpr.2023.02.219</a>
		Prashant Narwade , Ravindra Deshmukh , Manoj Wagh	Synthesis and experimental investigation of Magneto-rheological (MR) fluid for damper	17 aug 2023	10 Th International Conference On Recent Trends In Mechanical Engineering		API(scopus)	<a href="https://doi.org/10.1063/5.0157075">https://doi.org/10.1063/5.0157075</a>
06	Prof. R. N.	-	-	-	-	-	-	-



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07	<b>Prof. Mrs. C.R. Shah</b>	C R Shah	Application of mems for investigation of slip effects on the performance of micro gas bearing and stability of micro rotor bearing system.	2008	PICETe 2008			
		C R Shah	Review of radial pulse diagnosis Techniques	2015	RAME		DVVPCoe	
		P. A. Narwade, C.R.Shah, P.Y.Mhaske	Experimental Determination of Tire Stiffness using Nitrogen	2016	Journal of Experimental & Applied Mechanics	Vol-7 Issue-3	STM Journals	2230-9845
		Kale Kishor Bhaskar, Dengale S S, Prof C R Shah	Design of Radial Pulse Detector	2017	International Research Journal of Engineering and Technology (IRJET)	4/12	International Research Journal of Engineering and Technology	2395 - 0072
08	<b>Prof. B. T. Tagad</b>	B.Tagad, R.S.Waghmare, L.P.bharule, S.R.Khisti, P.B.patil	A review on gasification process and gasifier	2019	IJSRD	Vol 7, Issue 8	IJSRD	ISSN (online): 2321-0613
		Bharat Tagad Rajesh Waghmare Susheel Magar	Comparative Numerical Analysis of Straight and Conical Coil Heat Exchanger	2017	Global Research and Development Journal for Engineering	2/11	GRD	ISSN: 2455-5703
		Bharat Tagad	Design & Implementation Of Roots Blower As A Supercharger In Two Wheeler Four Stroke Engine	2016	National Conference on Recent Advances in Mechanical Engineering	1/25	RAME 2016	-----
		Bharat Tagad	Experimental analysis Of	2015	National	Paper	RAME 2017	Paper ID:HP10

			Helical Coil Heat Exchanger For Different Cross-Sectional Coil Geometry		Conference on Recent Advances in Mechanical Engineering	ID:HP10		
09	<b>Prof. A. D. Kachare</b>	Amit D. Kachare A.D.Dongare R.R. Kharde	Introduction to Artificial Neural Network	July 2012	International Journal of Engineering and Innovative Technology (IJEIT)	Volume 2, Issue 1	International Journal of Engineering and Innovative Technology (IJEIT)	ISSN:2277-3754
		Amit D. Kachare A.D.Dongare	Predictive Tool: An Artificial Neural Network	July 2012	International Journal of Engineering and Innovative Technology (IJEIT)	Volume 2, Issue 1	International Journal of Engineering and Innovative Technology (IJEIT)	ISSN:2277-3754
		Amit D. Kachare Mandar M. Bidwe	Design of Safety Rear Impact Guard For Heavy Duty Vehicle	September 2019	International Journal of Engineering Applied Sciences and Technology (IJEAST)	Volume 4, Issue5	International Journal of Engineering Applied Sciences and Technology (IJEAST)	ISSN:2455-2143
		Amit Kachare	Design and Fabrication of digital Spring Testing Machine	2019	Journal Of Modern Mechanical Systems and Machining	Vol-2/issue 2	MANTECH PUBLICATIONS	Pg 8-19
		Amit Kachare	CFD Analysis of Anticorrosive Heat Exchanger:A review	June 2022	International conferenceon recent trendsand advancement in science,technology,commerenceand management		Sanjivani,Kopergaon	
	Amit	Amit Kachare	Real Time Control of Bottle filling and caping system	Sept	International		IBMRD	

	Kachare			2022	conference			
10	<b>Prof. D. B. Thange</b>	1. D. B. Thange 2. R. A. Kandake 3. Geetanjali N. Harishchandre	Optimization and Experimental Validation of Air Ventilation Nozzle using MATLAB	2019	International Research Journal of Engineering and Technology	Vo. 6 Is. 1	IRJET	2395-0056
11	<b>Prof. R. S. Waghmare</b>	<b>R.S.Waghmare,</b> S.Y.Bhosale	Experimental and numerical analysis of helical coil heat exchanger by varying curvature ratio	2016	International Journal of current Engineering and technology	-----	International Journal of current Engineering and technology	E-ISSN 2277-4106 P-ISSN 2347-5161
		<b>R.S.Waghmare</b> S.Y.Bhosale, H.N.Deshpande, S.M.Magar	Comparative experimental analysis of straight and conical coil heat exchanger	2017	GRD journals	Volume 2/issue 7	GRD journals	ISSN-2455-5703
		<b>R.S.Waghmare,</b> S.Y.Bhosale, H.N.Deshpande, S.M.Magar	Comparative Numerical analysis of straight and conical coil heat exchanger	2017	GRD journals	Volume 2/issue 11	GRD journals	ISSN-2455-5703
12	<b>Prof. K. M. Markad</b>	Prof K M Markad	Optimization of thin walled composite beam	2015	RAME National conference 2015	Paper ID:DE13	DVVP COE	Paper ID:DE13
		Prof V P Patekar Prof K M Markad	A Review :- Carbon Nanotubes: Properties and Viscosity of Nanofluids	Nov 2016	International Journal on Recent Technologies In Mechanical and Electrical Engineering	3/11	International Journal on Recent Technologies In Mechanical and Electrical Engineering	2349-7947
		Achchhe Lal* and	Deflection and stress behaviour of multi-walled	2018	Technopress Publication	22	Technopress Publication	DOI: <a href="https://doi.org/1">https://doi.org/1</a>

	Kanif Markad	carbon nanotube reinforced laminated composite beams					0.12989/cac.2018.22.6.000
	Achchhe Lal* and Kanif Markad	Mechanically Induced Buckling Analysis Of Cnt Reinforced Laminated Composite Plate	2018	International Journal of Mechanical and Production Engineering	6/7	International Journal of Mechanical and Production Engineering	2320-2092
	Achchhe Lal* and Kanif Markad	Thermo-Mechanical Post Buckling Analysis of Multiwall Carbon Nanotube-Reinforced Composite Laminated Beam under Elastic Foundation	2019	Curved and Layered Structures	6/1	Curved and Layered Structures	.doi.org/10.1515/cls-2019-0018
	Achchhe Lal* and Kanif Markad	Stochastic mixed mode stress intensity factor of center cracks FGM plates using XFEM	2019	International Journal of Computational Materials Science and Engineering	Vol. 8, No. 3 (2019) 1950009	International Journal of Computational Materials Science and Engineering	DOI: 10.1142/S204768411950009X
	Achchhe Lal* and Kanif Markad	Static buckling analysis of shape memory alloy reinforced composite laminated plate	June 2020	IOP Conference Series Materials Science and Engineering		IOP Conference Series Materials Science and Engineering	DOI: <a href="https://doi.org/10.1088/1757-899X/814/1/012009">10.1088/1757-899X/814/1/012009</a>
	Achchhe Lal* and Kanif Markad	Nonlinear flexural analysis of sandwich beam with multi walled carbon nanotube reinforced composite sheet under thermo-mechanical loading	April 2020	Curved and Layered Structures		Curved and Layered Structures	DOI: <a href="https://doi.org/10.1515/cls-2020-0001">10.1515/cls-2020-0001</a>
	Achchhe Lal, Kanif Markad	Influence of dynamic temperature variation and inplane varying loads over post-buckling and free	2020	International Journal of Computational Materials Science and	9/3	International Journal of Computational Materials Science	2050012-101 <a href="https://ui.adsabs.harvard.edu/link_gateway/2020">https://ui.adsabs.harvard.edu/link_gateway/2020</a>

			vibration analysis of sandwich composite beam		Engineering		and Engineerin	<a href="https://doi.org/10.1142/S2047684120500128">0IJCMS...95001 2L/doi:10.1142/ S204768412050 0128</a>
		Achchhe Lal <sup>1</sup> and Kanif Markad <sup>1</sup>	Cumulative post-buckling buckling behavior of smart sandwich structure	Nov 2020	IOP Conference Series Materials Science and Engineering	1017	IOP Publishing	doi:10.1088/1757-899X/1017/1/012020
		Achchhe Lal* and Kanif Markad	Post-buckling analysis of the shape memory polymer sandwich composite beam under dynamic temperature variation	Dec 2020	IOP Conference Series Materials Science and Engineering		IOP Conference Series Materials Science and Engineering	DOI: <a href="https://doi.org/10.1088/1757-899X/1004/1/012020">10.1088/1757-899X/1004/1/012020</a>
		Achchhe Lal* and Kanif Markad	Thermal post buckling analysis of smart SMA hybrid sandwich composite plate	March 2021	Polymers and Polymer Composites		Polymers and Polymer Composites	DOI: <a href="https://doi.org/10.1177/09673911211001276">10.1177/09673911211001276</a>
		Achchhe Lal, Anant Parghi, Kanif Markad	Post-buckling nonlinear analysis of sandwich laminated composite plate	January 2021	Materialstoday	44	Elsevier	<a href="https://doi.org/10.1016/j.matpr.2020.12.088">https://doi.org/10.1016/j.matpr.2020.12.088</a>
	K M Markad	K M Markad	Deflection and stress analysis of piezoelectric laminated composite plate under variable polynomial transverse loading	June 2022	AIP Advances	<a href="https://doi.org/10.1063/5.0104568">https://doi.org/10.1063/5.0104568</a>	API	<a href="https://doi.org/10.1063/5.0104568">https://doi.org/10.1063/5.0104568</a>
	Kanif Markad	Kanif M. Markad and Nilesh Tiwari	Study of Temperature Variation over Shape Memory Polymer Hybrid Composite under Transverse	Oct 2022	IntechOpen		<b>Soft Robotics - Recent Advances and Applications</b>	10.5772/intechopen.107988

			Loading					
	Kanif Markad	Markad Kanif M , Vaghela Manoj , Khubi Lal Khatri , Patekar Vivek	Flexural failure analysis of laminated composite plate under polynomial loading	Dec 2022	GIS SCIENCE JOURNAL	VOLUME 9, ISSUE 12, 2022		ISSN NO : 1869-9391
		Kale K Markad K, Patekar V	Structural analysis of Nano-filler based Structural Composite	July 2023	Journal of Aeronautical Materials	43/2	Transstellar SCOPUS	
		Khubi Lal Khatri, <b>Markad K</b>	Stochastic Fracture Behavior Analysis of Infinite Plates with a Separate Crack and a Hole under Tensile Loading	July 2023	Computers and Concrete, An International Journal	32/1	Techno-Press SCI	<a href="https://doi.org/10.12989/cac.2023.32.1.099">https://doi.org/10.12989/cac.2023.32.1.099</a>
		M B Vaghela1 , Markad Kanif M	XFEM Analysis and Apply Stochastic Approach to Bimaterial Interfacial Crack with Void-Inclusion	2023	Compliance Engineering Journal	14/1	UGC Care	ISSN No: 0898-3577
13	<b>Prof. V .P. Patekar</b>	Prof V P Patekar Prof R B Patil	Vibrational Analysis of Automotive Exhaust Silencer Based on FEM and FFT Analyzer	March 2012	International Journal on Emerging Technologies	3/2	International Journal on Emerging Technologies	2249-3255
		Prof V P Patekar Prof R B Patil	Theoretical Vibrational Analysis of Automotive Exhaust Silencer	April 2013	International Journal on Emerging Technologies	4/1	International Journal on Emerging Technologies	2249-3255
		Prof V P Patekar Prof K M Markad	A Review :- Carbon Nanotubes: Properties and Viscosity of Nanofluids	Nov 2016	International Journal on Recent Technologies In Mechanical and Electrical	3/11	International Journal on Recent Technologies In Mechanical and Electrical Engineering	2349-7947

					Engineering			
		Prof Patekar V P Prof Kohak P G Prof Kandake R A Prof Ghorpade D S	A Review on Design and Fabrication of Solar Roadways	09/09/2019	International Research Journal of Engineering and Technology	6/9	International Research Journal of Engineering and Technology	2395-0056
		Prof Patekar V P Prof Khemnar V H Prof Aher A S Prof Ghorpade D S	Optimization on Austenitic Stainless Steel Rod 317L of the Cylindrical Grinding Parameter by Taguchi Method	13/06/2019	Global Journal of Engineering Science and Researches		Global Journal of Engineering Science and Researches	2348-8034
		Prof Patekar V P Prof Khemnar V H Prof Kadu M A Prof Ghorpade D S	Preparation Method of Carbon Composite Specimens for Various Capability Tests	April 2019	Journal of Emerging Technologies and Innovative Research	6/4	Journal of Emerging Technologies and Innovative Research	2349-5162
	Vivek Patekar	Vivek Patekar   Kishor Kale	State of the art review on mechanical properties of sandwich composite structures	August 2022	Polymer composite	<u>DOI: 10.1002/pc.26989</u>	Wiley	
		Kale K Markad K, Patekar V	Structural analysis of Nano-filler based Structural Composite	July 2023	Journal of Aeronautical Materials	43/2	Transstellar SCOPUS	
		Markad Kanif	Flexural failure analysis of	Dec	GIS SCIENCE	VOLUME 9,		ISSN NO : 1869-

		M , Vaghela Manoj , Khubi Lal Khatri , Patekar Vivek	laminated composite plate under polynomial loading	2022	JOURNAL	ISSUE 12, 2022		9391
14	<b>Prof. D. K. Nannaware</b>	Prof.D. K. Nannaware Prof. R RKharde	Design and optimization of roller conveyor system	July 2014	International Engineering Research Journal	5/7	International Engineering Research Journal	2229-5518
		Prof. D. K. Nannaware Prof. K. S. Kadam	Modified Parkinson gear tester	April 2017	International Engineering Research Journal	3/4	International Engineering Research Journal	2395-1052
		Prof. D. K. Nannaware Prof. K. S. Kadam	Modified Parkinson gear tester	2017	MantechPublication	2/1	International Engineering Research Journal	362/383
		Prof. D K Nannaware AvdhootMurugkar	Fabrication of metal chips briquetting Machine	May 2018	International Engineering Research Journal	2/3	International Engineering Research Journal	2581-3048
15	<b>Prof. M. M. Bidve</b>	M.M.Bidwe	Setup time reduction through smed technique in a stamping production line	2017	RAME		DVVPCOE	Pg19
		M.M.Bidwe	Lean Manufacturing and six sigma in Tandem as a solution to complex management panorama	2019	International Conference INCON-XIV			978-93888441-42-1
		M.M.Bidwe A.D.Kachare	Design of Safety Rear Impact guard heavy duty vehicle	2019	International Journal of Engineering and Technology			2455-2143
		M M Bidwe	Lithium-ion battery: a review	April 2024	International journal of vehicle information and communication system	9/2	inderscience	<a href="https://doi.org/10.1504/IJVICS.2024.137854">https://doi.org/10.1504/IJVICS.2024.137854</a>



		M M Bidwe	Critical Review On Effective Utilisation of 5R Technique in the Life Cycle Management of Lithium ion Battery	2024	Latin American Applied Research	54/4		
16	<b>Prof. A. V. Suryavanshi</b>	Prof. A. V. Suryavanshi	Improving quality and productivity in switchgear tank welding through poka yoke and waste elimination in robotic welding shop	2017	RAME		DVVP COE AHMEDNAGAR	Pg 20
		Prof. A. V. Suryavanshi	Design and Fabrication of Automatic Clamping Fixture for Seamless Tube Swaging Machine	2018	International Journal of Research in Engineering, Science and Management	Volume-1, Issue-10, October-2018	International Journal of Research in Engineering, Science and Management	2581-5782
		Mr. Swapnil D. Korde <sup>1</sup> , Prof. Anil V. Suryavanshi <sup>2</sup>	Review Paper on Experimental and FEA Analysis of Weight Optimization of Existing Tyre Bracket Mounting	June 2020	International Journal for Research in Applied Science & Engineering Technology	Volume 8 Issue VI June 2020-	(IJRASET)	ISSN: 2321-9653;
		1Mr. Swapnil D. Korde, <sup>2</sup> Prof. Anil V. Suryavanshi	Experimental and FEA analysis of weight optimization of existing tyre bracket mounting	May 2020	International Journal for Research in Engineering Application & Management	Vol 6, Issue 2	IJREAM	2454-9150
17	Prof. Miss. S. S. Gadhe	Gadhe Supriya	Effect of kevlar pump filler on tribological properties of pmc material	2015	RAME	Paper ID: DE08	DVVP COE Ahmednagar	Paper ID: DE08
		Gadhe Supriya, Raviendra Navthar	Digital Image Correlation Techniques For strain measurement Of Aluminium Plate	2016	CiiT	8/9		0974 – 9586
		Gadhe Supriya, Ravi	Digital Image Correlation Techniques For strain	2016	International Journal of	39/6	International Journal of	2231-5381

		ndra Navthar	measurement Of Aluminium Plate		Engineering Trends & Technology		Engineering Trends & Technology	
		Gadhe Supriya	Digital Image Correlation Techniques For strain measurement Of Aluminium Plate	2017	RAME		DVVP COE Ahmednagar	PG No7
		Gadhe Supriya, Prasad Rasal	Conversion of Plastic Waste To Energy: Pyrolysis	2019	International Research Journal of Engineering and Technology	6/12	International Research Journal of Engineering and Technology	2395-0072
		Gadhe S S	Design and manufacturing of Compound die	2021	International Research Journal of Engineering and Technology	08 Issue: 07   July 2021	International Research Journal of Engineering and Technology	e-ISSN: 2395-0056
		Tambe Supriya	A review on application of machine learning in fused deposition modeling	Sept 2022	International conference		IBMRD	
18	<b>Prof. Miss. K. S. Kadam</b>	Miss Kaveri. S. Kadam, Prof. Prashant A. Narwade	Optimization of Input Process Parameters for Ferodo Friction Linings Embedded with Cu and SiC for Clutch	2016	International Journal of Engineering Trends and Technology (Researchgate)	39/4	SSRG	ISSN:2231-5381
		Miss Kaveri. S. Kadam, Prof. Prashant A. Narwade	Tribological Investigation of Ferodo Lining Material Embedded with Copper and SiC particles For Clutch plate	2016	International Engineering Research Journal	--	MECH-PGCON, Pune	ISSN:2295-1691
		Miss Kaveri. S. Kadam, Prof. Dattatraya K. Nannaware	Modified Parkinson's Gear Tester	2017	International Journal for Science and Advance Research In Technology	3/4	IJSART	ISSN [ONLINE]: 2395-1052
		Miss Kaveri. S. Kadam,	Modified Parkinson's Gear Tester	2017	Journal of Product Design,	2/1	MANTECH Publications	--

		Prof. Dattatraya K. Nannaware			Quality Engineering & Technology			
		Miss Kaveri. S. Kadam, Rakecha Vrushabh Kumar, Rakshas Bhuwankar Shardul	Modification on Cold Draw Bench	2019	International Journal of Research in Engineering, Science and Management	2/3	IJRESM	ISSN (Online): 2581-5792
		Prof. Kaveri.S Kadam 1, Mr. Nikhil.S. Sambhar2, Ms. Namrata.M.	Design and Analysis of E-Scooter Chassis Frame	June 2020	International Research Journal of Engineering and Technology	Volume: 07 Issue: 06	International Research Journal of Engineering and Technology	ISSN: 2395-0072
		Kaveri S. Kadam	Development of an Electric Scooter for power regeneration and biometric safety	Aug 2021	9thNational Conference [Virtual] on RecentDevelopmentIn MechanicalEngineering	Paper id A-84	M.E.S. College of Engineering, Pune01	Pg 45
19	<b>Prof. S. S. Vyavahare</b>	Vyavahare, S., Patil, V., Birmole D.	Analysis of Effect of nozzles on design pressure vessel using FEA	2015	RAME	Paper ID:PR06	DVVP COE,Ahmednagar	Paper ID:PR06
		Vyavahare S., Pathare Y., Shelke S.	Finite element analysis of CFRP composite material machining	2018	International Research Journal of Engineering and Technology	5/1	Fast Track Publications	e-ISSN: 2395-0056 p-ISSN: 2395-0072
		Naik, S., Teraiya, S., Vyavahare, S., Kumar S.	Investigation on influence of process parameter on tensile strength in fused deposition modelling of	2019	Internation conference on Industrial Engineering	-	Sardar Vallabhbhai National Institute of Technology,	-

		PLA parts				Surat	
	Vyavahare, S., Teraiya, S., Panghal, D. and Kumar, S.	Fused deposition modelling: a review	2020	Rapid Prototyping Journal	6/1	Emerald	-
	Swapnil Vyavahare, Shailendra Kumar	Re-entrant auxetic structures fabricated by fused deposition modeling: An experimental study of influence of process parameters under compressive loading	Dec 2020	Polymer Engineering & Science	60/12	John Wiley & Sons, Inc.	3183-3196
	Soham Teraiya Swapnil Vyavahare Shailendra Kumar	Experimental Investigation on Influence of Process Parameters on Mechanical Properties of PETG Parts Made by Fused Deposition Modelling	December 2020	Advances in Manufacturing Processes	pp 283-293	Advances in Manufacturing Processes	
	Swapnil Vyavahare, Shailendra Kumar, Deepak Panghal	Experimental study of surface roughness, dimensional accuracy and time of fabrication of parts produced by fused deposition modelling	9 September 2020	Rapid Prototyping Journal	Vol. 26 No. 9, pp. 1535-1554.	Emerald Publishing Limited	1355-2546 <a href="https://doi.org/10.1108/RPJ-12-2019-0315">https://doi.org/10.1108/RPJ-12-2019-0315</a>
	Swapnil Vyavahare, Soham	An Experimental Study of Influence of Gradient Parameters on	2021	Advances in Manufacturing Processes		Springer, Singapore	305-318

		Teraiya, Shailendra Kumar	Compressive Strength, Stiffness, and Specific Energy Absorption (SEA) of Auxetic Structures Fabricated by FDM					
		Naik, S., Teraiya, S., Vyavahare, S., Kumar S	Numerical and experimental investigation of FDM fabricated re-entrant auxetic structures of ABS and PLA materials under compressive loading	2 March 2021	Rapid Prototyping Journal	Vol. 27 No. 2, pp. 223-244. <a href="https://doi.org/10.1108/RPJ-10-2019-0271">https://doi.org/10.1108/RPJ-10-2019-0271</a>	Emerald Publishing Limited	1355-2546 . <a href="https://doi.org/10.1108/RPJ-10-2019-0271">https://doi.org/10.1108/RPJ-10-2019-0271</a>
		Soham Kantilal Teraiya, Swapnil Vyavahare, Shailendra Kumar	Anti-Tetrachiral Auxetic Structures Fabricated by Material Extrusion: Numerical and Experimental Investigation on Mechanical Properties Under Compressive Loading	July 2021	International Journal of advanced Advanced Manufacturing Technology	Under review	International Journal of advanced Advanced Manufacturing Technology	<a href="https://doi.org/10.21203/rs.3.rs-509233/v1">https://doi.org/10.21203/rs.3.rs-509233/v1</a>
		Swapnil Vyavahare, Soham Teraiya, Shailendra Kumar	Auxetic structures fabricated by material extrusion: an experimental investigation of gradient parameters	July 2021	Rapid Prototyping Journal	Vol. 27 No. 5, pp. 1041-1058. <a href="https://doi.org/10.1108/RPJ-05-2020-0107">https://doi.org/10.1108/RPJ-05-2020-0107</a>	Emerald Publishing Limited	1355-2546
		Soham Teraiya, Swapnil	Parametric investigation for mechanical properties of tetra-anti-chiral auxetic structures of polymer under	june 2022	John Wiley & Sons, Inc.		Polymer Engineering & Science	<a href="https://doi.org/10.1002/pen.25960">https://doi.org/10.1002/pen.25960</a>

		Vyavahare, Shailender kumar	compressive loading					
		S Vyavahare, V Mahesh, V Mahesh, D Harursampath	Additively manufactured meta-biomaterials: A state-of- the-art review	2022	Elsevier	<a href="https://doi.org/10.1016/j.compstruct.2022.116491">https://doi.org/10.1016/j.compstruct.2022.116491</a>	Composite Structures	<a href="https://doi.org/10.1016/j.compstruct.2022.116491">https://doi.org/10.1016/j.compstruct.2022.116491</a>
		Shailendra Kumar, Swapnil Vyavahare, Kokani Nirmal	Optimization of Design Parameters Under Compression and Shear Loading of FDM Fabricated Re-Entrant Auxetic Structure Using Failure Mode Map	2022	springer	<u>Conference paper</u>	Recent advances in manufacturing modeling and optimization	<a href="https://doi.org/10.1007/978-981-16-7787-8_60">https://doi.org/10.1007/978-981-16-7787-8_60</a>
		S Kumar, S Vyavahare, J Kootikuppala	Experimental Study of Effect of Process Parameters on Surface Roughness and Dimensional Accuracy of Parts Fabricated by Fused Deposition Modelling	2022	springer	<u>Conference paper</u>	Recent advances in manufacturing modeling and optimization	<a href="https://doi.org/10.1007/978-981-16-9952-8_72">https://doi.org/10.1007/978-981-16-9952-8_72</a>
20	<b>Prof. Y. S. Pathare</b>	Shailendra Kumar, Swapnil Vyavahare, Kokani Nirmal	Optimization of Design Parameters Under Compression and Shear Loading of FDM Fabricated Re-Entrant Auxetic Structure Using Failure Mode Map	2022	springer	<u>Conference paper</u>	Recent advances in manufacturing modeling and optimization	<a href="https://doi.org/10.1007/978-981-16-7787-8_60">https://doi.org/10.1007/978-981-16-7787-8_60</a>
		Prof Y S Pathare	Finite element analysis of CFRP Compositematerial machining	2018	International Research Journal of Engineering and Technology	V/I	IRJET	ISSN NO.:2395-0056
		Prof Y S	Condition Monitoring of	2016	International	III/II	IRJET	ISSN

		Pathare	Ball Bearing using Vibration Analysis and feature Extraction		Research Journal of Engineering and Technology			NO.:2395-0056
		Aditya Katariya , Dushyant Dhupdhare, Onkar Kulkarni, Sahil Hawaldar , Vaibhav Jadhav	Chassis Design of Self Balancing E-Bike	May 2022	International Journal of Scientific Research and Engineering Development		International Journal of Scientific Research and Engineering Development	
21	<b>Prof. P. G. Kohak</b>	Prof Kohak P G Prof Kandake R A Prof Ghorpade D S	A Review on Design and Fabrication of Solar Roadways	09/09/2019	International Research Journal of Engineering and Technology	6/9	International Research Journal of Engineering and Technology	2395-0056
		P G Kohak	Optimization Of Process Parameter Of Friction Stir Welding For Similar He-30 Aluminum AlloyF	Vol.4, Issue 7, 2017	International Research Journal of Engineering and Technology	Vol.4, Issue 7, 2017	International Research Journal of Engineering and Technology	ISSN 2395-0056
		P G Kohak	Intelligent reverse braking system	July 2021	IJSART			2395-1052
22	<b>Prof. S. K. Kadu</b>	S K Kadu,M S Mhaske	Experimental investigation of damping force of twin tube shock absorber	2014	International journal of engg research and applications	4/9	International journal of engg research and applications	2248-9622
		S K Kadu, Agaj Rushikesh	Multipurpose Agricultural Machine	2019	International Journal for Scientific Research & Development	7/2	International Journal for Scientific Research & Development	2321-0613

		S K Kadu, Kuskar Shubham	A Review on Remote Control Muffler for Two Wheeler	2019	International Research Journal of Engineering and Management Studies	3/2	International Research Journal of Engineering and Management Studies	2395-0126
23	<b>Prof. R. A. Kandake</b>	R. A. Kandake, Dr. S. S. Mohite	An Experimental Method for Identification of Stability Lobe Diagram using Vibration Signal Analysis for Chatter free Milling	2015	5 <sup>th</sup> National Conference on “Recent Advances in Manufacturing (RAM-2015)”	1	Sardar Vallabhbhai National Institute of Technology, Surat	978-93-5212-649-1
		R. A. Kandake, D. B. Thange, Geetanjali N. Harishchandre	Optimization and Experimental Validation of Air Ventilation Nozzle using MATLAB	2019	International Research Journal of Engineering and Technology	06/01	International Research Journal of Engineering and Technology	2395-0056
		Kohak P. G., Kandake R. A., Patekar V. P., Ghorpade D. S.	A Review on Design and Fabrication of a Solar Roadways	2019	International Research Journal of Engineering and Technology	06/09	International Research Journal of Engineering and Technology	2395-0056
		Ghorpade D. S Kohak P. G., Kandake R. A., Patekar V. P.,.	A Review on Design and Fabrication of a Solar Roadways	2019	International Research Journal of Engineering and Technology	Volume 6, Issue 9	International Research Journal of Engineering and Technology	ISSN 2395-0056
24	<b>Prof. A. S. Aher</b>	Amrut Sahebrao Aher Sanjay B Belkar	Review On Optimization of The Parameter In Cylindrical Grinding Of Austenitic Stainless Steel Rod (AISI 317 l) by Taguchi method.	Dec 2015	International Journal of Innovations In Engineering, Research and Technology		Novateur Publication's	ISSN 2394-3696
		Amrut S Aher	OPTIMIZATION ON AUSTENITIC	Jan 2018	Advance Design and		IJA-ERA	ISSN 2454-2377



	S. B. Belkar Sandip K Kadu Sunil B. Kharde	STAINLESS STEEL ROD 317 L OF THE CYLINDRICAL GRINDING PARAMETER F BY TAGUCHI METHOD		Optimization Techniques in Engineering Applications			ISBN 978-93- 5291-276-6
	AmrutSahebr aoAher KhemnarVija ykumarHaus habapu GhorpadeDat tatraySopan PatekarVivek Popat	OPTIMIZATION ON AUSTENITIC STAINLESS STEEL ROD 317 L OF THE CYLINDRICAL GRINDING PARAMETER F BY TAGUCHI METHOD	2019	GLOBAL JOURNAL OF ENGINEERIN G SCIENCE AND RESEARCHES		GJESR	ISSN 2348 – 8034
	KhemnarVija ykumarHaus habapu AmrutSahebr aoAher GhorpadeDat tatraySopan PatekarVivek Popat	Preparation Method of Carbon Composite Specimens for Various Capability Tests	April 2019	Journal of Emerging Technologies and Innovative Research (JETIR)	Volume 6, Issue 4	JETIR	ISSN-2349- 5162
	Khan NabeelAhme d z #1, Amrut S Aher*2 ,	A Review on Optimization of Process Parameter in Cylindrical Grinding of Austenitic Stainless Steel Rod ( AISI 316 L) by Taguchi Method	2020	International Journal of Future Generation Communication and Networking	Vol. 13, No. 3s, (2020),	International Journal of Future Generation Communication and Networking	ISSN: 2233- 7857
	Amrut S. Aher and Vijay Kumar Pandey	Insight on the Effect of Nanoparticles addition in Oil Lubrication: A Review	17 Sept 2023	<b>Tribology in Industry</b>	Vol. 45, No. 3	Faculty of Engineering(scopus )	<b>ISSN: 035 4- 8996 / 221 7-7965 DOI: 10.24874/ti .1437.01.2 3.05</b>

25	<b>Prof. R. A. Darandale</b>	R. A. Darandale P.S. Dhumal	Hybrid Controller	2010	National conference on Recent trends in Instrumentation & Control		PREC LOni	
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