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Kharghar, Navi Mumbai - 410 210.

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR: 2019-20 (June 2019 to May2020)

A) Faculty Publications

17. Faculty Publications								
Sr No.	Name of Faculty	Publication Type(Please Tick)				Name of Journal / Conference	Title of Paper	Date of Publication
		Journal		Conference				
		National	Internati onal	National	Internati onal			
1	Madhukar B.Sorte	-	Yes	-	-	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 03 Mar 2020	MINIMIZING STEAM LOSS THROUGH STEAM DISTRIBUTION NETWORK USING AN INTEGRATED METHODOLOGY –A CASE STUDY OF A CRUDE OIL REFINERY	02.03.2020
2	Paramjit thakur		yes			IEEE	multiobjective optimization in CNC end milling of Inconel 718 superalloy by taguchi grey fuzzy method	Sep.19
3	Mugdha Dongre		yes			IEEE	multiobjective optimization in CNC end milling of Inconel 718 superalloy by taguchi grey fuzzy method	Sep.19



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Department of Mechanical Engineering

Publications

Sr No.	Academic Year	Name of Faculty	Publication Type				Name of Journal/Conference	Title of Paper	Date of Publication
			Journal		Conference				
			National	International	National	International			
1	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	Optimization of waste management in plastic & manufacturing industries - The perspective in SME's	2019
2	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	Electric Discharge Machining- An Overview	2019
3	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	RFID Applications in Industry 4.0: A Review	2019
4	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	Optimization Of MIG Welding Process Parameter Using Taguchi's Method Of AZ91	2019
5	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	Identification of Manufacturing Flexibility in SMEs- Program, Labour and Machine Flexibilities	2019
6	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	Study of energy consumption rate in drilling of SS3316 by Taguchi and Gray relational method	2019
7	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	Experimental setup to find heat transfer coefficient in boiling process of water - Design and fabrication	2019
8	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	Optimization Of Drilling Parameters To Minimize The Cutting Force In Machining Of Titanium Grade 2	2019
9	2018-19	Madhukar B Sorte		Yes			International Journal of Scientific & Engineering Research	Optimization of waste management in plastic & manufacturing industries - The perspective in SME's[2019
10	2018-19	Paramjit Thakur		yes			Lecture notes Mechanical Engg (Springer-Scopus)	Multiobjective Optimization in Drilling of Composites	2019
11	2018-19	Paramjit Thakur		yes			IEEE (Scopus) accepted for publication	Multi Objective Optimization in CNC end milling of Inconel 718 super alloy by Taguchi-Grey-Fuzzy method	2019
12	2018-19	Keval Patil		Yes		Yes	NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	GIS in Municipal Solid Waste Management	2019
13	2018-19	Keval Patil		Yes		Yes	NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	Fabrication Of Solar Composting Machine	2019
14	2018-19	Dinesh Pargunde		yes			International Journal of Scientific & Engineering Research	Revamping of used oil using filtration process	2017-18
15	2018-19	Dinesh Pargunde			yes		NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	Fabrication of pneumatically operated paper cup and dish making machine	2017-18
16	2018-19	Anuprita Bhosale		yes		yes	NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	Fabrication of wheel operated pesticide sprayer	2019
17	2018-19	Nilesh Chanewar			Yes		NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	A review on Advancement in Electromagnetic coil Gun Mechanism	Jan2019
18	2018-19	Sunil Jankar			yes		Multicon -W-2019	Underground heat and chilled water distribution system for district cooling and heating system	22 Feb 2019
19	2018-19	Sunil Jankar			yes		NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	Analysis of pin fin with difetent shape form using Ansys	2019
20	2018-19	Sunil Jankar			yes		NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	Optimisation of turbine blade with different thickness of TBC material	2019
21	2018-19	Sunil Jankar			yes		NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	Design and fabrication of drain water recycling	2019
22	2018-19	Sachin Solanke			Yes		International Journal of Scientific & Engineering Research	Design and Fabrication of Plastic Shredder Machine	2019
23	2018-19	Sachin Solanke			Yes		International Journal of Scientific & Engineering Research	Effort towards Design and Fabrication of Injection Moulding Machine for Plastic Recycling	2019
24	2018-19	Sachin Solanke			Yes		International Journal of Scientific & Engineering Research	Automatic Drainage Cleaning System Using Solar Panel	2019
25	2018-19	Sachin Solanke		Yes			Journal of Research and Analytical Reviews (UGC Approved)	Efforts towards Design and Fabrication of Plastic Shredder Machine	15-Mar-19
26	2018-19	Sachin Solanke		Yes			Journal of Research and Analytical Reviews (UGC Approved)	Efforts towards Design and Fabrication of Injection Moulding Machine for Plastic Recycling	16-Mar-19
27	2018-19	Sachin Solanke		Yes			Journal of Research and Analytical Reviews (UGC Approved)	Effort towards Automatic Drainage Cleaning System Using Solar Panel	01-Apr-19
28	2018-19	Sachin Solanke			Yes		International Journal of Scientific & Engineering Research	Analytical Study of Composite Sandwich Panel	2019
29	2018-19	C.Satya Sandeep		Yes			International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	Comparison of wall temperatures on scramjet inlets at hypersonic velocities	
30	2018-19	Mitali Mhatre			yes		NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	DESIGN AND FABRICATION OF KITCHEN FOOD WASTE DISPOSAL SYSTEM	
31	2018-19	Mitali Mhatre			yes		NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	Design and development of uniform and continuous lubrication system for wire rope	
32	2018-19	Mitali Mhatre			yes		NCSMWM-2019- National Conference on Sustainable Manufacturing & Waste Management	Parametric Optimisation of TIG Welding by using Design Of Experiments for SS304 and SS304L	

33	2018-19	Mugdha Dongre		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Testing Mechanical Properties Of Rice Straw reinforced composites	
34	2018-19	Mugdha Dongre		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Implementation of inventory management tools to increase productivity of Panjtan Packaging	
35	2018-19	Mugdha Dongre		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	COMPARATIVE STUDY OF MECHANICAL PROPERTIES OF COIR FIBER REINFORCED COMPOSITE	
36	2018-19	Mugdha Dongre	yes			IEEE (Scopus) accepted for publication	Multi Objective Optimization in CNC end milling of Inconel 718 super alloy by Taguchi-Grey-Fuzzy method	2019
37	2018-19	Sreejith S.	yes			International Journal of Scientific & Engineering Research	Evaluation Of Impact Properties of Biocomposite Material Reinforced With Waste Cornhusk Fiber	2019
38	2018-19	Sreejith S.	yes			International Journal of Scientific & Engineering Research	Fabrication And Characterization of Bidirectional Flax Fiber Reinforced Epoxy Composite	2019
39	2018-19	Sreejith S.	yes			International Journal of Scientific & Engineering Research	Fabrication Of FSAE Car Seat With Kenaf Reinforced Bio- Composite	2019
40	2018-19	Sreejith S.	yes			International Journal of Scientific & Engineering Research	Solar Operated Air Cushion Vehicle : A Prototype	2019
41	2018-19	Vishal Bhagat		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Optimisation of process parameters in WireEDM of D3 tool steel using Taguchi method	2019
42	2018-19	Vishal Bhagat		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Optimisation of process parameters in turning operation of Al6061 to reduce cutting forces	
43	2018-19	Vishal Bhagat		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Aeration and Cleaning of lake water using Solar energy	
44	2018-19	Sunil Sopnur		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Modification of low effort run cycle	2019
45	2018-19	Sunil Sopnur		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Experimental setup to find heat transfer coefficient in boiling process of water - Fabrication and analysis	2019
46	2018-19	Sunil Sopnur		yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Experimental setup to find heat transfer coefficient in boiling process of water - Design and fabrication	2019
47	2018-19	Sunil Sopnur		yes		Multicon -W-2019	Underground heat and chilled water distribution system for district cooling and heating system	22 Feb 2019
48	2018-19	Prasanna Raut	Yes			International Journal of Scientific & Engineering Research	Design Analysis Of Composite Flywheel Made Of Carbonfiber Using Finite Element Analysis: A Review	May 2019
49	2018-19	Prasanna Raut	Yes			International Journal of Scientific & Engineering Research	Fabrication and Experimental Analysis of Fins	May 2019
50	2018-19	Prasanna Raut	Yes			International Journal of Scientific & Engineering Research	INVESTIGATION OF MECHANICAL PROPERTIES OF HEMP BANANA FIBER COMPOSITE	May 2019
51	2018-19	Prasanna Raut	Yes			International Journal of Scientific & Engineering Research	Fabrication And Analysis of Water Cooling Tower	May 2019
52	2018-19	Nalini deepthi			yes	International Journal of Scientific & Engineering Research	Comparativ anlysis of heat exchanger with different inserts	
53	2018-19	Amol Kadam		Yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Design and Thermal Analysis of fins with Different Geometries of Engine	March 2019
54	2018-19	Amol Kadam		Yes		NCSMW-2019- National Conference on Sustainable Manufacturing & Waste Management	Optimal selection of process parameters in FDM machine for surface roughness of PLA material	
55	2017-18	Madhukar B Sorte	Yes			Journal of Engineering Research and Application	Framework For Performance Evaluation Of Dealer's In Car Service Industry Using CRM-Case Study	Sept 2018
56	2017-18	Madhukar B Sorte	Yes			Proceedings of 'Global Meet on Advances in Design, Materials & Thermal Engineering [GMADMT-2018]'	Optimization of Gating System in Jewelry Investment Casting: A Review	Jan 2018
57	2017-18	Madhukar B Sorte	Yes			International Journal of Scientific & Engineering Research, Volume 8, Issue 3, March-2017	Experimental Investigation Of Cutting Parameters And Optimization Of Lathe Machine Using Lathe Tool <i>Dynamometer Adontino Tauchi Method: A Review</i>	2017
58	2017-18	Paramjit Thakur			yes	(WCEA - 2018), Kuala Lumpur, Malaysia	Optimal selection of parameters in CNC end milling of Al 7075 T6 alloy by TBLO	2018
59	2017-18	Keval Patil	Yes			IAETSD Journal of advance research in Applied Science	Design and analysis of of time connection system components for subsea laboratory	July 2017
60	2017-18	Keval Patil	Yes			PGCON-2017	Design and analysis of of time connection system components for subsea laboratory	Aug 2017
61	2017-18	Dinesh Pargunde	Yes			Proceedings of 'Global Meet on Advances in Design, Materials & Thermal Engineering [GMADMT-2018]'	Design and fabrication of automatic shielded metal arc welding on MS plate	12 Jan 2018
62	2017-18	Dinesh Pargunde	Yes			Proceedings of 'Global Meet on Advances in Design, Materials & Thermal Engineering [GMADMT-2018]'	Design and fabrication of universal driving wheel with frklift application	12 Jan 2018
63	2017-18	Nilesh Chanewar			Yes	Proceedings of 'Global Meet on Advances in Design, Materials & Thermal Engineering [GMADMT-2018]'	Design of Jig and Fixture for Circular Arc Welding	Jan 2018
64	2017-18	Sachin Solanke	yes			Journal of Research and Analytical Reviews (UGC Approved)	Effect of Sic on metal matrix composite	21 Nov 2017
65	2017-18	Sachin Solanke	Yes			GMADMT 2018- Global Meet on Advances in Design, Materials & Thermal Engineering	Failure Analysis and Optimisation of Universal Joint Yoke Subjected By Torsion and Shear	11 Jan 2018
66	2017-18	Sachin Solanke	Yes			GMADMT 2018- Global Meet on Advances in Design, Materials & Thermal Engineering	Experimental and Theoretical Investigation on Notched Specimens Life of Different Material by Experimental and Analytical Method	11 Jan 2018
67	2017-18	Sachin Solanke	Yes			GMADMT 2018- Global Meet on Advances in Design, Materials & Thermal Engineering	A Review on Invention and Development of Metal Matrix Composite	11 Jan 2018
68	2017-18	C.Satya Sandeep		Yes		Indian Journal of Science and Technology	Three Dimensional Computational Flow Simulation of Truncated Aerospoke Nozzle Considering Different <i>Plus Lengths</i>	
69	2017-18	C.Satya Sandeep	Yes			American Institute of Physics, AIP Conference Proceedings	Design and analysis of submarine radome	
70	2017-18	C.Satya Sandeep	Yes			International Journal of Mechanical Engineering and Technology	Particulate laden flow simulation in three-dimensional axial flow compressor stage used in aircraft	

71	2017-18	Mitali Mhatre		yes			International Journal of Scientific & Engineering Research	Productivity improvement in luggage industry	
72	2017-18	Mitali Mhatre		yes			International Journal of Scientific & Engineering Research	Fabrication of Oil Water Separator Machine in Oil Industries	
73	2017-18	Mitali Mhatre		yes			International Journal of Scientific & Engineering Research	To Optimize the Design and Fabrication of Footstep Power Generator Using Rack And Pinion Method	
74	2017-18	Amol bhagat			Yes		GMADMT 2018- Global Meet on Advances in Design, Materials & Thermal Engineering	Design and Development of Solar Powered Weeding Machine	11 Jan 2018
75	2017-18	Sreejith S.		yes			International Journal of Scientific & Engineering Research	Fabrication & Characterization of Pineapple Leaf Fibre Reinforced Epoxy Composite	2018
76	2017-18	Sreejith S.		yes			International Journal of Scientific & Engineering Research	Development of Waterless Solar Panel Cleaner in Arid Areas	
77	2017-18	Sreejith S.			yes		Proceedings of 'Global Meet on Advances in Design, Materials & Thermal Engineering [GMADMT-2018]'	Study And Development Of Eco-friendly Toilet	
78	2017-18	Madan Jagtap				Yes	11th ISDSI Conference at IIM Trichi	Effect of Supplier Quality Management (SQM) on performance measures of manufacturing Organization	Dec 2017
79	2017-18	Madan Jagtap		Yes			IJUSER	Cost of Quality Applications and Challenges: A Review,	March-2017
80	2017-18	Prasanna Raut		Yes			International Journal of Scientific & Engineering Research	Detection of Crack in Beam by Vibrational Analysis And Artificial Neural Network: A Review	March 2018
81	2017-18	Prasanna Raut		Yes			International Journal of Scientific & Engineering Research	Investigation of Tensile properties of composite feed stock filament for Fused Deposition Modeling: A Review	March 2018
82	2017-18	Prasanna Raut		Yes			International Journal of Scientific & Engineering Research	Design and fabrication of multipurpose wood machining device	March 2018
83	2017-18	Amol Kadam		Yes			International Journal of Scientific & Engineering Research	Study and Fabrication of Automatic Multipurpose Gardening Machine	March 2018
84	2017-18	Amol Kadam		Yes			International Journal of Scientific & Engineering Research	Thermo-Mechanical Design of High Temperature Experimental Setup	March 2018
85	2017-18	Amol Kadam		Yes			International Journal of Scientific & Engineering Research	Design And Fabrication Of Automatic Stamping Machine	March 2018
86	2016-17	Madhukar B Sorte			Yes		Int.Journal of Engineering Research and Application	Defects,Root Causes in casting Process and their remedies :Review	March 2017
87	2016-17	Madhukar B Sorte			Yes		International Journal of Engineering & Science Research	DETERMINATION OF PHYSICAL, MECHANICAL & THERMAL PROPERTIES OF GLASS FIBER REINFORCED EPOXY COMPOSITE WITH A	2016
88	2016-17	Madhukar B Sorte			Yes		International Journal of Scientific & Engineering Research	Optimization of parameters of surface roughness and MRR for p20 steel in end milling	2017
89	2016-17	Nilesh Chanewar					International Conference ICSDDM-2017	Cost of Quality Applications and Challenges: A Review" in International conference ICSDDM-2017	Jan 2017
90	2016-17	Sachin Solanke			Yes		Journal of Mechanical Engineering and Robotics Research(Scopus Index)	An investigation of stress distribution of universal joint under variable torque condition	27 Feb 2017
91	2016-17	Mitali Mhatre			yes		International Journal of Scientific & Engineering Research	A Review paper on Artificial Neural Network: A Prediction Technique	2016
92	2016-17	Mugdha Dongre			yes		International Journal of Scientific & Engineering Research	OPTIMIZATION OF EDM PARAMETERS BY USING ARTIFICIAL NEURAL NETWORK (ANN)	2016
93	2016-17	Sreejith S.			yes		International Journal for Science and Advance Research In Technology	Fabrication & Evaluation of Mechanical Property of Unidirectional Jute Reinforced Epoxy Composite	216
94	2016-17	Prasanna Raut			Yes		International Journal of Scientific & Engineering Research	Design Improvement and Structural Optimization of an Motorcycle Disc Brake	March 2017
95	2016-17	Prasanna Raut			Yes		International Journal of Scientific & Engineering Research	Design and Analysis of a Smart Automobile	March 2017

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