



PRAGATI ENGINEERING COLLEGE (Autonomous)

DEPARTMENT OF MECHANICAL ENGINEERING PAPER PUBLICATIONS FOR THE ACADEMIC YEAR 2023-24

S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
1	Dr. G. Avinash, Dr. M.L.akshmi Chaitanya	Modelling & Harmonic Response Analysis On Rear Car Door	Industrial Engineering Journal	Vol 56 issue 4, No 4	0970-2555	Apr-24	UGC PRINT JOURNAL
2	Mr. D.J.Johnson, Mrs.K.Deep Rani	Design And Development Of Weldment Bottom Scraper And Its Strength Assessment	Industrial Engineering Journal	Vol 56 issue 4, No 4	0970-2555	Apr-24	UGC PRINT JOURNAL
3	Mr. M.Sunil Raj, Mrs.B.Anusha Srikanta	Sliding Platform Link For Aged And Physically Challenged People.	Industrial Engineering Journal	Vol 56 issue 4, No 4	0970-2555	Apr-24	UGC PRINT JOURNAL
4	Mr. B.Bharath Kumar, Mrs.U.Chaitanya Vardhini	Cfd Simulation Of Aerodynamic Part Of Fsaec Car	Industrial Engineering Journal	Vol 56 issue 4, No 4	0970-2555	Apr-24	UGC PRINT JOURNAL
5	Mrs. K.Aravinda, Mr. Anil Kumar Karri	Design And Accident Simulation Of Car Bumper Impact Analysis	Industrial Engineering Journal	Vol 56 issue 4, No 4	0970-2555	Apr-24	UGC PRINT JOURNAL
6	Mr. G.V.N.Santhosh, Mr. M.V.V.Siva Krishna	Design And Analysis Of Go Kart Chassis Frame Using Aisi 1018 Mild Steel	Journal of the Maharaja sayajirao university of Baroda	Vol 65, No 1 (IX)	0025-0422	Apr-24	UGC PRINT JOURNAL
7	Dr. G. Satish , Mr.M.Ram Babu	Developing Topology Optimization With Support Stucture And Overhang Consiraits Of Additive Manufacturing.	Journal of the Maharaja sayajirao university of Baroda	Vol 65, No 1 (IX)	0025-0422	Apr-24	UGC PRINT JOURNAL
8	Mr. N. Raghuvver, Mrs.B. Sivanaga Ramya	Design And Modelling Of Renewable Energy System For Electric Vehicles	Journal of the Maharaja sayajirao university of Baroda	Vol 65, No 1 (IX)	0025-0422	Apr-24	UGC PRINT JOURNAL
9	Mr. V.V.N.Sarath , Mrs.S.Hemani	Design And Optimization Of Material Wastage In Am Process	Journal of the Maharaja sayajirao university of Baroda	Vol 65, No 1 (IX)	0025-0422	Apr-24	UGC PRINT JOURNAL
10	Mr. P. Ram Prasad, Mr.P.Chinna	Design And Development Of Additive Manufacturing System For Manufacturing Multi-Layer Structures	Journal of the Maharaja sayajirao university of Baroda	Vol 65, No 1 (IX)	0025-0422	Apr-24	UGC PRINT JOURNAL
11	Mr. A. Phani Bhaskar, Mr.Ch.Vinay Dileep	Design Modelling And Analysis Of A Torsen Diferential For Automotive Application	Journal of the Oriental institute	Vol 72, Issue04, No 6,	0030-5324	Apr-24	UGC PRINT JOURNAL
12	Mrs. P. Gayathri, Mr.M.Anil Kumar	Numerical Study Of Performance Charactristics Of Centifugal Slurry Pump	Journal of the Oriental institute	Vol 72, Issue04, No 6,	0030-5324	Apr-24	UGC PRINT JOURNAL
13	Mr.A.Yeswanth, Mr.Maganti Vinil	Modelling And Similation Of Film Cooling Channel With Reduced Model To Minimize The Computational Cost	Journal of the Oriental institute	Vol 72, Issue04, No 6,	0030-5324	Apr-24	UGC PRINT JOURNAL
14	Ms. K. Tulasi, Mrs.B.Kranthi	Vehicle Seat Design Durability And Strength Assesment Using Finite Element Analysis	Journal of the Oriental institute	Vol 72, Issue04, No 6,	0030-5324	Apr-24	UGC PRINT JOURNAL
15	Mr. B. Hari Krishna, Mrs.V.S.L.Sirisha	Design Modelling And Cfd Analysis Of An Impellar Using Solid Works To Improve Turbocharger Efficiency	Journal of the Oriental institute	Vol 72, Issue04, No 6,	0030-5324	Apr-24	UGC PRINT JOURNAL
16	Mr. B.Bharath Kumar, Mr.Ch Sai Mohan Reddy	2D And 3D Cfd Analysis Of Flow Through Rocket Nozzle For Shape Optimization	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
17	Dr. G. Satish ,Mr.P.Chinna	Modelling And Analysis Of A Drone For A High Life Cycle To Identify The Life And Damage	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
18	Mr. B. Hari Krishna, Mrs.V.S.L.Sirisha	Autogiro Design And Performance Evaluation	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
19	Ms. K. Tulasi, Mrs.B.Kranthi	Design And Structural Analysis Of A Bicycle Frame Under Static Loading Conditions	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
20	Mr.A.Yeswanth, Mr.Maganti Vinil	Impingement Heat Sink Optimization And Thermal Charecterzation Of A Power Module Usinf Commercially Available Cfd Code	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
21	Mrs. P. Gayathri, Mr.Ch.Vinay Dileep	Automobile Exhaust Pipe : Computational Fluid Dynamics Of Exhaust Gas Flow	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
22	Mr. D.J.Johnson, Mr.Ch Satya Prakash	Design And Numerical Analysis Of Agriculture Pesticide Sprayer	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
23	Dr. G. Avinash, Dr. M.L.akshmi Chaitanya	Modelling Static Structural And Oil Flow Analysis Using Solid Works Of Automatic Transmission	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
24	Mr. A. Phani Bhaskar, Mrs.G.B.T.S.Alekya	Analysis Of C-D Rocket Nozzle By Varying The Design Parameters Using Ansys Fluent	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
25	Mr. P. Ram Prasad, Mrs.B. Sivanaga Ramya	Modeling And Performance Analysis Of Catalytic Converter Off Road Vehicles	Industrial Engineering Journal	Vol 57 issue 5, No 5	0970-2555	May-24	UGC PRINT JOURNAL
26	Mr. V.V.N.Sarath, Mr.M.Ram Babu	Design And Analysis Of A Coil Spring For Different Materials Using Ansys	Journal of the Oriental institute	Vol 72, Issue 05, No 6,	0030-5324	May-24	UGC PRINT JOURNAL
27	Mr. N. Raghuvver, Mr. M.V.V.Siva Krishna	Thermal Analysis Of Solar Air Heater Using Cfd As A Tool	Journal of the Oriental institute	Vol 72, Issue 05, No 6,	0030-5324	May-24	UGC PRINT JOURNAL
28	Mr. G.V.N.Santhosh, Mr. Anil Kumar Karri	Cfd Modelling Of Supersonic Combustion In A Scramjet Engine	Journal of the Oriental institute	Vol 72, Issue 05, No 6,	0030-5324	May-24	UGC PRINT JOURNAL
29	Mrs. K.Aravinda, Mrs.U.Chaitanya Vardhini	Material Optimization Of Differential Gear Box Using Structural Simulation For Different Rotational Velocity	Journal of the Oriental institute	Vol 72, Issue 05, No 6,	0030-5324	May-24	UGC PRINT JOURNAL
30	Mr. M.Sunil Raj, Mrs.B.Anusha Srikanta	Finite Element Analysis Of Femur Bone With Different Loading Conditions	Journal of the Oriental institute	Vol 72, Issue 05, No 6,	0030-5324	May-24	UGC PRINT JOURNAL
31	Mr. M.Sunil Raj, Mrs.K.Deep Rani	Static Structural Analysis And Explicit Dynamic Analysis Of Gear Box-U-600	Journal of the Oriental institute	Vol 72, Issue 05, No 6,	0030-5324	May-24	UGC PRINT JOURNAL
32	Dr. G. Satish	Enhancing Electromagnetic Properties Through Carbon Nanotube-Based Polymer Composites	Journal of Magnetism and Magnetic Materials	Vol 589, 171546	1873-4766	Nov-23	SCIE



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S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
1	Dr. S. Sambhu Prasad	Design And Optimization Of Vertical Axis Wind Turbine	Dong Rangsang, Research Journal,	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
2	Mr. D.J.Johnson	Analysis On Multispecies Flow Of Gases Released By A Vehicle At Idling Condition Using Cfd	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
3	Mr. S.Srikanth	Design And Squash Analysis Of Different Models Of Leg Protection Guard For Cruiser Bikes	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
4	Mrs. K.Aravinda	Investigating The Flow Parameters Of Axial Fan Due To Vortex Shedding	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
5	Mr. G.V.N.Santhosh	Design And Analysis On Temperature Distribution In Solenoid Valve By Using Thermal Analysis	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
6	Mr. N. Raghuv eer	Modal And Structural Analysis Oncaster Wheel By Using Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
7	Dr. G. Satish	Comparative Analasys Of Hydraulic Pump Gear Using Various Angles In Cfx	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
8	Mr. M.Sunil Raj	Static Structural And Thermal Analysis On Break Component In Automobiles	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
9	Mrs. B. Siva Naga Ramya	Design And Analysis On Tractor Rear Axle Casing Using Structural And Modal Analysis	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
10	Mrs. S. Hemani	Modal And Harmonic Response Of Turbine Blade At Failure Criteria	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
11	Mr. A. Phani Bhaskar	Design And Analysis On Characteristics Of Helicopter Main Rotor Blade Due To Natural And Forced Effect	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
12	Mrs. V S L Sirisha	Design And Analsys Of Rocket Nozzle Using Cfd	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
13	Mr. M.Anil Kumar	Investigate The Velocity Parameters Of An Impeller With Varying Blades And Blade Angles Using Cfx	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
14	Mr. B. Hari Krishna	Modal Analysis Of Engine Supporting Frame Using Finite Element Analysis	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
15	Dr. G. Avinash	Investigation Of Linear Effect On Forging Nonlinear Material	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
16	Mr. B.Bharath Kumar	Computational Analysis Of Ventilation Chamber By Varying Inlet And Heater Ports Using Cfd	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
17	Mr. Maganti Vinil	Design And Analysis On Epicyclic Gear At Different Load Applications	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
18	Ms. K. Tulasi	Design And Analysis Of F1 Car Chassis With Different Frames And Profiles	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
19	Mr. Ch. Vinay Dileep	Drop Test Analysis On Heat Sink Parts Of Circuit Board	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
20	Mrs. P. Gayathri	Linear Buckling Analysis Of Beam Structure Using Static And Dynamic Cases	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
21	Mr. P. Chinna	Design And Computational Analysis Of A Toroidal Propeller	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 7	2347-7180	Mar-23	UGC Approved
22	Mr. Ch.Sai Mohan Reddy	Simulation On Mixing Process Of Fluid Flow With Temperature And Different Geometries Of Pipe Line	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
23	Mrs. K.Deep Rani	Design And Analysis Of Leaf Spring By Using Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
24	Mr. S.Srikanth	Fluid And Inert Particles Separation In A Hydrocyclone By Using Different Computational Turbulence Models	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
25	Mrs. K.Aravinda	Design And Analysis Of Monocoque Fuselage With Different Connections And With Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
26	Mr.M.V.V.Siva Krishna	Design And Analysis Of Pipe Geometry To Predict The Eigen Value Buckling Load	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
27	Mr. N. Raghuv eer	Thermal, Structural And Modal Analysis Of A Pressure Vessel	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
28	Mr. V.V.N.Sarath	Explicit Analysis On Penerator With Various Angle Of Attack And Angle Of Incidence	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
29	Dr. G. Avinash	Design And Analysis Of Catalytic Converter With Different Wire Mesh Grid Shape Models Using Fluent	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
30	Mr. A. Phani Bhaskar	Transient Structural Analysis On Propellr Shaft With Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
31	Mr. Anil Kumar Karri	Design And Analysis Of Model And Sub-Model Of Pump Housing Components Using Static And Modal Analysis	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
32	Mr. A. Yeswanth	Design And Analysis Of Flow Parameters Of Different Car Models By Using Computational Fluid Dynamms	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
33	Ms. K. Tulasi	Thermal & Structural Analysis On Welded Pipe Sections By Using Finite Element Analysis	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
34	Mr. B. Hari Krishna	Optimization Of Two-Wheeler Rim Using Static And Modal Analsys	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved

S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
35	Mrs. Sabbella Naga Subba Lakshmi	Structural And Modal Analysis Of Flywheel To Determine Deformations And Vibrational Characteristics	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
36	Dr. M.Lakshmi Chaitanya	Parameter Investigation Of Convergent-Divergent And Contour Nozzle By Using Cfd	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
37	Dr. S. Sambhu Prasad	Effect Of Shock Wave On The Orex Re-Entry By Varying The Geometrical Parameters	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
38	Mr. M.Sunil Raj	Explict Crash Analysis Of Car Model By Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
39	Mr. S.Srikanth	Design And Ameliorate Performance Of Ventilated Disc Brake Rotor By Using Different Perforated Disk Profiles	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
40	Mrs. U. Chaitanya Vardhini	Analysis Of Cam Sahft In Automobiles Using Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
41	Mr. G.V.N.Santhosh	Design And Analysis Of Shell And Tube Heat Exchanger	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
42	Mr. M. Rambabu	Aerodynamic Analysis Of An Aeroplane With Various Intensities For Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
43	Mr. V.V.N.Sarath	Mine Blast Analysis On A Commercial Vehicle Strcture By Using Autodyn	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
44	Dr. G. Avinash	Explicit Dynamic Analysis Of Belt Conveyor By Using Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
45	Mr. P. Ram Prasad	Crush Analysis On Various Profile Can Body Using Explict Dynamics	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
46	Mrs. B.Kranthi	Design And Analysis Of Suspension Bridge With Different Materials	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
47	Mrs. P. Gayathri	Static, Therma And Modal Analysis On Ic Engine Componets At Different Load Conditions	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
48	Mr.A.Yeswanth	Design And Analysis Of An Exhaust Manifolds To Determine The Flow Parameters	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
49	Mr. B.Bharath Kumar	Computational Analysis On Phase Changing Materials To Determine The Phase Change Process	Dong Rangsang, Research Journal	Vol-13, Issue 3, No. 8	2347-7180	Mar-23	UGC Approved
50	Dr. S. Sambhu Prasad	Mpeft: A Makespan Minimizing Heuristic Scheduling Algorithm For Workflows In Heterogeneous Computing Systems	Accepted for publication in CCF Transactions on High Performance Computing	2022	2524-4930 2524-4922	Aug-22	FREE SCIE
51	Dr. G. Satish	Influence Of Magnetic Wood On Mechanical And Electromagnetic Wave-Absorbing Properties Of Polymer Composites	International Journal of Polymer Science, Hindawi	Vol 2023	ISSN: 1687-9422 (Print) ISSN: 1687-9430 (Online)	Feb-23	SCIE
52	Mr. D. J. Johnson, Mrs. P. Gayathri	Performance Evaluation Of Cascade Refrigeration System Using The Combination Of R30 And Ciferent Concentrations Of R60	Journal of engineering sciences	Volume 13 issue 10,2022	0377-9254	Oct-22	UGC Care
53	Dr.G.Satish, Dr. B.S.V. Rama rao	2-D Aerodynamical Analysis On Car Body Using Taguchi Design Optimization	IJMER	Vol. 11, No. 5(3), pp. 84-94	2277-7881	Jun-22	UGC Approved
54	Dr. G. Satish	Effect Of Flow Variation In The Pelton Wheel Nozzle By Design Modification Of Spear”	UPET Press Technical Journal of Daukeyev University	Vol. 2, No. 1, pp. 21-33	2788-5488	May-22	Others
55	K. ARAVINDA, S. SRIKANTH	Design And Analysis On Scram Jet Engine Inlet At Different Conditions	The International journal of analytical and experimental modal analysis	Vol XIV, Issue IX	0886-9367	Sep-22	UGC Care
56	N.RAGHUVVEER, A .YESWANTH	Design And Finite Element Analysis Of Aircraft Wing Using Composite Materials	The International journal of analytical and experimental modal analysis	Vol XIV, Issue IX	0886-9367	Sep-22	UGC Care
57	Pasikanti Gayathri, Akella Yeswanth	Design And Analysis Of Six-Stroke Engine By Using The Alternative Fuel To Enhance Thermal Efficiency	i managers journal of mechanical Engineering	Vol 17, No 3	2249-0744	Jun-22	Others
58	Dr. R. Dharmalingam	Studies On Engine Vibration Isolation Behaviours Of Al6061-Sic Metal Matrix Engine Mounts For Diesel Engines	Materials today	6-Jul-22	1369-7021	Jul-22	SCOPUS



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S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
1	Akella Yeswanth, Pasikanti Gayathri	Mathematical Modeling And Analysis Of A Hydrogen Based Internal Combustion Engine	AUPET Press	Vol 2, Issue 1, pp 11-20	2788-5488	Apr-22	Others
2	Dr. R. Dharmalingam	Optimization Of Engine Parameters Using Nsga Ii For The Comprehensive Reduction Of Emissions From Vcr Engine Fuelled With Rome Biodiese	Environmental Science and Pollution Research	2022	0944-1344	Apr-22	SCIE & SCOPUS
3	Phanibhaskar Anusuri, Akella Yeswanth, Raghuvveer Nemani	Optimization Of Pintle Injector Position To Control Thrust Propulsion	i managers journal of mechanical Engineering	12 (1)	2249-0744	May-22	Others
4	Mr. Avinash Gudimetla Dr. S. Sambhu Prasad	Effect Of Sighm Reinforcements On The Corrosion Rate Of Al 4032 Mmc	Materials today	Proceedings 21	1369-7021	Nov-21	SCOPUS & WEB OF SCIENCE
5	Mr. M SunilRaj, Dr G Avinash	Design, Modeling & Simulation Of A Thermoelective Cooling System (Tec)	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
6	Mr. G. Avinash, Mr. B. Bharat Kumar	Reconstruction And Segmentation Of Cancer Affected Patient'S Lower Jaw, Developing Cad Model Of Cancer Part And Rapid Prototvoing	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
7	Mr. D.J.Johnson, Mr. B. Hari Krishna	Cad Modelling Of Human Ankle From (T & Mri.Scan To Study The Bone Dislocation And Planning Operation Methodology By Using Slicer Software	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
8	Mr. M.Sunil Raj, Ms. K. Tulasi	Experimental Investigation On Effect If Kater Width On Dimensional Accuracy Of Fom Build Parts	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
9	Mr. S.Srikanth, Mr. M SunilRaj	Analysis Of G-Codes On Fdm Build Parts To Achieve The Exact Height Of Cad Model	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
10	Mrs. K.Aravinda, Mr. G. Avinash	Analysis Of Effect Of Proless Parameters On Fused Deposition Modeling Techniques	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
11	Mr. GVN Santosh, Dr.B.S.V.Rama Rao	Design And Analysis Of Cam Shaft & Development Of Cam Code For Die Manufacturing	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
12	Mr. G.V.N.Santhosh, Mr.A.Yeswanth	Modeling And Damping Analysis Of High Grade Steel Alloy Drive Shaft In Automobile	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
13	Mr. N. Raghuvveer, Ms. M. Amrutha	Development And Reconstruction Of Spiral Cord From Ct Scan Files And Rpt Estimation Analysis	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
14	Mr. V.V.N.Sarath, Mrs. P. Gayathri	Experimental Analysis On Optimization Of Process Parameters In Fused Deposition Modelling	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
15	Mr. P. Ram Prasad, Mr. A. Phani Bhaskar	Experimental Investigation Of Surface Finish Enhancement Of Fused Depositon Modeled Parts	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
16	Mr. A. Phani Bhaskar, Mr. P. Ram Prasad	Reconstruction Of Knee Joint By Using 3 Matics And Mimics And Design And Analysis Of Knee Joing Plate For Maximum Loading Condition	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
17	Mrs. P. Gayathri, Mr. V.V.N.Sarath	Optimization Of Support Structures To Minimise The Displacement Of Standard E8 Asim Specimen (Tensile)	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
18	Dr.B.S.V.Rama Rao, Mr. M.Sunil Raj	Computational Fluid Dynamics And Heat Transfer In A Micro Channel	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
19	Ms. M. Amrutha, Mr. G.V.N.Santhosh	Performance Improvement Of An Organic Rankine Cycle Using Low Grade Thermal Engineering Input From A Compound Parabolic Collector	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
20	Mr.A.Yeswanth, Mrs. K.Aravinda	Design And Analysis Of Aircraft Telescopic Wing And Material Optimization	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
21	Mrs. K.Aravinda, Mr. D.J.Johnson	Reconstruction, Segmentation And Smoothing Of Tibia And Fibula Parts From Knee Joing Assembly And Rpt Estimation & Material Consumption	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
22	Ms. K. Tulasi, Mr. S.Srikanth	Product Design And Development Using 3D Technology By Fused Deposition Modelling	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved

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23	Mr. B. Hari Krishna, Mr. DJ Johnson	Cfd Of Heat Transfer In Double Pipes Heat Exchanger Using Fluent.	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
24	Mr. S Srikanth, Mr. G. Avinash	Design And Topology Ptimisaiton Of Truck Chasis For Maximum Stiffness To Reduce The Weight Using Altair Inspire	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
25	Mr. B. Bharat Kumar, Mr. N. Raghuvveer	Cfd Anslsysis Of A Finned Tube Wih Different Cross Sections To Improve The Heat Transfer Rate	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
26	Mr. G.V.N.Santhosh, Mr. V.V.N.Sarath	Thermal Analysis Of Solar Air Heater Using Cfd As A Tool	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
27	Mr. S.Srikanth, Mr. P. Ram Prasad	Design And Analysis Of Three Plate Injection Moved	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
28	Mrs. K.Aravinda, Mrs. P. Gayathri	Modelling And Mass Optimizatoin Of Cnc Machine Arbor For Maximum Cutting Force By Using Altair Inspire Software	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
29	Mr. D.J.Johnson, Ms. M. Amrutha	Cfd Anlysis Of Whole Inspired Hydrofoil With Different Angles Of Attack.	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
30	Mr. M.Sunil Raj, Mr. B. Bharat Kumar	Optimization Of Support Structures To Avoid The Lift Off Of Printing Component For Renishaw Am 240 Machines.	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
31	Mr. V.V.N.Sarath, Mr. G. Avinash	Design And Anslsysis Of Screw Operated Gripper And Rpt Estimation.	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
32	Mr. B. Bharat Kumar, Mr. D.J.Johnson	Design Modelling And Analysis Of Front Wheel Assembly Of Baja Sae Vehicle	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
33	Mr. B. Hari Krishna, Mr. M.Sunil Raj	Design And Anslsysis Of Aircraft Engine Cooling Fan	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
34	Ms. K. Tulasi, Mr. S.Srikanth	Thermal Analysis Of Engine Cylinder Pins To Optimize Shape To Improve The Heat Transfer Rate.	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
35	Mrs. P. Gayathri, Mrs. K.Aravinda	Geometry And Locaton Optimization Of Wavy Flag To Improve Heat Ransfer Rate Vortex Generator.	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
36	Mr. G. Avinash, Mr. N. Raghuvveer	Forced Convection Studies With Different Geometries In Tube Bank Arrangement Using Cfd.	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
37	Dr.B.S.V.Rama Rao, Mr. G.V.N.Santhosh	Effect Of Layer Height On Final Dimentional Accuracy Of Slm Printing Machine.	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
38	Mr.A.Yeswanth, Mr. N. Raghuvveer	3D Printing Thermo Mechanical Anslsysis Of Carburetor For Optimised Orientation For Sim 280M/C	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
39	Ms. M. Amrutha, Mr. V.V.N.Sarath	Optimization Of Laser Power To Audio The Thermal Stresses In The Metal Am Process To Avoid Lift Off Of The Build Part	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
40	Mrs. P. Gayathri, Mr. P. Ram Prasad	Effect Of Layer Height And Print Speed On Pint Fine Estimation And Cost Analysis	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
41	Mr. A. Phani Bhaskar, Mrs. P. Gayathri	Buckling Analysis Of Cantilever Twisted Fgm Plate For Buckling Load And Non-Buckling Dimentional Buckling Load	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
42	Mr. P. Ram Prasad, Mr. A. Phani Bhaskar	Design And Analysis Of Uneven Terrian Freight Tanspertation Mechanism	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
43	Mr. V.V.N.Sarath, Ms. K. Tulasi, Mr. P. Ram Prasad	Design And Rigid Dynamic Anslsysis Of Engine Cyclinder With Intergrated Mass Optimization Of Connecting Link To Reduce The Weight For Maximum Stiffness Condition	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
44	Mr. N. Raghuvveer, Mr. B. Hari Krishna	Design And Simulation Of Disc Brake Rotor By Using Taguchi Analysis To Study The Major Influence On Mechanical Behaviour Of Bajaj Pulsar 150Cc	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
45	Mr. M Sunil Raj, Dr.B.S.V.Rama Rao	Determination Of Optimum Scanning Speed To Regulate Performance Characteristics Of Spur Gear Through Simulation Of 3D Printing	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved

S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
46	Mr. M.Sunil Raj, Ms. M. Amrutha	Structure Analysis Of Earth Aaugur Bit	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
47	Mr. G.V.N.Santhosh, Mr.A.Yeswanth	Modelling And 3D Printing Simulation Of Jet Engine Propeller With Minimum Printing Time Orientation Optimisation	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
48	Mrs. K.Aravinda, Mr. A Phanibhaskar	Modelling And Structural Analysis Of Pelton Wheel Turbine At Maximum Load Condition	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
49	Mr. D.J.Johnson, Ms. K. Tulasi	Design And Modelling Of Francis Turbine Bt Using Generative Shape Design	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
50	Mr. S.Srikanth, Mr. B. Hari Krishna	Optimization Of Printing Process Parameters To Avoid The Plastic Strain During The Printing Of Micro Channe	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
51	Ms. M. Amrutha, Mr. B. Bharat Kumar	Modelling And Material Optimization Of Piston Hear To Sustain Higher Loads Without Failure	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
52	Mr. G. Avinash, Mr. A Yeswanth	Reconstruction And Modelling Of Hip Joint By Using 3D Slicer And Rapid Prototyping Estimation	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
53	Mr. N. Raghuv eer, Mr. G.V.N.Santhosh	Mass Optimization Of Braking Pedal And Simulation 3D Metal Printing Process To Study The Temperature Distribution	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
54	Mr. V.V.N.Sarath, Mr. S.Srikanth, Ms. K. Tulasi	A Pure Thermal Analysis Of 3D Printing Of Engine Head Of Different Laser Power For Optimization Of Thermal Distribution	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
55	Mr. P. Ram Prasad, Mrs. K.Aravinda	Modeling And Topology Optimization Of Car Rim To Reduce The Weight Of The Wheel For Maximum Stifness Condition Using Altair Inspire	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
56	Mrs. P. Gayathri, Mr. D.J.Johnson	Design And Precision Steering Mechanism And Motion Study Of Ackrimoon Machanism For A 4 Wheel Vehicle With Min Error %	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
57	Ms. M. Amrutha, Mr. M.Sunil Raj	Design And Mass Optimization Of Steering Arm For Metal Additive Manufacturing And Simulating 3D Prining Process To Avoid Wrapage Failure	International Journal for Research in Engineering Application & Management (IJREAM)	Vol 8	2454-9150	May-22	UGC Approved
58	Mr.M. Anil Kumar Ms. S. Naga Subba Lakshmi Mrs. S.Swetha Radha Mrs. J. Sushma	Static And Dynamic Analysis On The Mixer Blades	IJMECE	Vol 9, Issue 4	2321-2152	Nov-21	UGC Approved
59	Mr. G.V.N. Santhosh, Mr. M. Rambabu	Linear Layer Analysis Of Mono Leaf With Functionally Graded Materials Using Fea Technique	The International journal of analytical and experimental modal analysis	Vol XIII, Issue XI	0886-9367	Nov-21	Others
60	Mrs.K.Aravinda, Mr.V.Naga babu	Design And Analysis Of Indian Rail Wheel Assembly For Super Elevation	The International journal of analytical and experimental modal analysis	Vol XIII, Issue XI	0886-9367	Nov-21	Others
61	Mr. G. Avinash, Mr. A. Phani Bhaskar	Analysis Of Noise Reduction In Rotor Blade Of Helicopter Using Different Materials	The International journal of analytical and experimental modal analysis	Vol XIII, Issue X	0886-9367	Oct-21	Others
62	Dr S. Sambhu Prasad, Mr N.Raghuv eer	A Study Of Frp Composite Properties And Comparison Of Properties To Analyze Fatigue Strength And Fracture	The International journal of analytical and experimental modal analysis	Vol XIII, Issue X	0886-9367	Oct-21	Others
63	Dr.G.Satish, Dr S. Sambhu Prasad	Studies Based On Cfd Behaviour Of Aerofoil And Regression Analysis	Universal wiser	Vol 3, Issue 1	2717-5243	Oct-21	Others
64	Mr.S.Srikanth, Dr. BSV Ramarao	Flow Behaviour On Grooved Pipe A Cd- Nozzle Using Cfd	JETIR	Vol 8, Issue 9	2349-5162	Sep-21	Others



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DEPARTMENT OF MECHANICAL ENGINEERING PAPER PUBLICATIONS FOR THE ACADEMIC YEAR 2020-21

S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
1	Dr. M.L.Chaitanya Anil Kumar Reddy Karri Ch. Vinay Dileep M.V.V.Siva Krishna	Analysis On Piston Rings Using Different Materials	IJMERT	Vol 13, Issue 1	2454 – 535X	Mar-21	UGC Approved
2	P. Chinna B.Siva Naga Ramya S. Hemani A. Sree Vineesha	Modelling And Analysis Of Cantilever Beam With Variousparameters	IJMERT	Vol 13, Issue 1	2454 – 535X	Feb-21	UGC Approved
3	Dr.G.Satish	Electromagnetic And Microwave Absorption Properties Of Mwcnts Based Polymer Nano Composites	Emerald'S Worlds Journal of Engineering	Vol 18, No 6, pp 817-825	1708-5284	Feb-21	SCOPOUS & WEB OF SCIENCE
4	Mr.B.Bharat kumar	A Review On Performance Evaluation Of Pelton Turbine	AIJREAS	Vol 6, Issue 2	2455-6300 (online)	Feb-21	Others
5	Mr.G.Avinash, Dr.S.Sambhu prasad	Modeling And Optimisation Of Wear Parameters Of Al 4032 Reinforced With Coal Ash Using Taguchi And Rsm	Composite theory and practice	21: 1-2 (2021) 3-11	2299-128x	Feb-21	US & WEB OF S
6	Dr. R. Dharmalingam	Modelling And Evaluation Of Combustion Emission Characteristics Of Come Biodiesel Using Rsm And Ann — A Lead For Pollution Reductio	Environmental Science and Pollution Research	-	0944-1344	Jan-21	SCI & SCOPUS
7	Mr.B.Bharath Kumar	Experimental Setup For Heat Transfer Analysis On Rectangular Plate By Natural Convection	International Journal of Engineering Research and Applications	Vol 11, Issue 1, pp 01-07	2248-9622	Jan-21	Others
8	A. Phani Bhaskar	Design And Fatigue Analysis Of Leaf Springs With Different Cross Section	International Journal of Multi-Disciplinary Educational Research	2020	2277-7881	Jun-20	UGC
9	Dr. S. Sambhu Prasad Dr. G. Satish	Flow Behavior On Aerofoil Using Cfd	Journal of Mechanical engineering, automation and control systems	Vol 1, Issue 1	2669-1361	Jun-20	Other
10	Dr. S. Sambhu Prasad	System Designing On Smart Operation For Predictive Maintenance	TEST Engineering & Management	Vol 83	0193-4120	Jul-20	Others
11	Dr. B.S.V. Ramarao, Mr. P. Ramprasad	Optimization Of Cnc Lathe Machining By Using Taguchi Method	Journal of Research in Mechanical engineering and applied mechanics	Vol 7, Issue 7	2348-4470	Jul-20	Other
12	Mr. G. Avinash	Optimization Of Process Parameters Of Awjm On Aa6061-7.5% Sic Mmc For Lower Surface Roughness And Higher Mrr	International Journal of Engineering Applied Sciences and Technology	Vol 5, Issue 3	2455-2143	Jul-20	Other
13	Mr. G.V.N. Santosh Mr. V. Nagababu	Modeling And Finite Element Analysis Of Functionally Graded Composite Shell Structures	International journal of analytical and experimental modal analysis	Vol XII, Issue VIII	0886-9367	Aug-20	Other
14	Mr. Srikanth srimanthula Mr. A. Phani Bhaskar	Design And Comparison Analysis Of Chain Drive With Different Materials	International journal of analytical and experimental modal analysis	Vol XII, Issue VIII	0886-9367	Aug-20	Other
15	Mrs. Aravinda Karri Mr. Shaik khaleel pasha	Cfd And Thermal Analysis Of Solar Collectors By Using Fea Technique	International journal of analytical and experimental modal analysis	Vol XII, Issue VIII	0886-9367	Aug-20	Other
16	Dr. R. Dharmalingam	Heat Swapping Analysis For A Finned Heat Pipe Using Cfd	Journal of Advancement in Engineering & Technology	-	2348-2931	Sep-20	other
17	Dr. R. Dharmalingam	Engine-Bracket Drilling Fixture Layout Optimization For Minimizing The Workpiece Deformation, Engineering Computations	Engineering Computations	2020	0264-4401	Sep-20	SCIE
18	Mr. D.J. Johnson, Mr. M. Rambabu	Performance Of A Finned-Tube Evaporator Optimized For Different Mixed Refrigerants On System Efficiency	International journal of analytical and experimental modal analysis	Vol XII, Issue IX	0886-9367	Sep-20	Other
19	Dr. R. Dharmalingam	Structural And Suitability Analysis Of Aluminium Metal Matrix Composites For Ic Engine Mountings	Materials today	Proceedings 37 (2021)	1369-7021	Oct-20	SCOPUS & WEB OF SCIENCE
20	Mr. A. Phani Bhaskar	Study On Conceptual Design And Shape Optimisation Of Pintle Nozzle Of A Rocket	i managers journal of mechanical Engineering	2020	2249-0744	Oct-20	Other
21	Mr. G. Nagarjuna varma Mr.J.Suresh	CFD Analysis Of Fe3O4 Nanofluid Flow In An Elliptical Tube Inside A Circular Tube With Inserts	International journal of analytical and experimental modal analysis	Vol XII, Issue XI	0886-9367	Nov-20	Other
22	Dr. S. Sambhu Prasad Mrs. Anusha Srikanta	Design, Fabrication And Testing Of 3D Printing Models Of Flexure Mechanism	International Journal Research	Vol IX, Issue XI	2236-6124	Nov-20	Other
23	Dharmalingam R	Types Of Batteries Used In Electric Vehicles	Journal of Current Trends in Electrical Engineering	Vol 5, Issue 3	-	Nov-20	Other
24	Dr. B.S.V. Rama rao	Determination Of Input Set Through Multi Objective Optimisation Of Pmedm Output Parameters Using Modified Topsis	i managers journal of mechanical Engineering	2020	2347-2235	Nov-20	Other
25	Dr.G.Satish	Biodiesel Production From Low-Grade Oil Using Heterogeneous Catalyst: An Optimization And Ann Modelling	Australian Journal of Mechanical Engineering	2020	1448-4846	Nov-20	SCOPUS & WEB OF SCIENCE

S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
26	Dr.B.S.V.Ramarao	Identification Of Better Set Of Values For Input Parameter Through Multi Objective Optimisation	Journal of Research in Mechanical engineering and applied mechanics	Vol 5, Issue 3	-	Dec-20	Other
27	Mr. V.V.N .Sarath Mr. A. Udaya Bhaskar	Thermal Analysis On Glass-Fibre Reinforced Polymer Composite Rebars	International journal of analytical and experimental modal analysis	Vol XII, Issue XII	0886-9367	Dec-20	Other
28	Mr. Avinash G Dr. S. Sambhu Prasad Dr.D.Lingaraju	Influence Of Rha Reinforcements On Mechanical And Wear Behavior Of Ai 4032 Composites	Emerging Materials Research	Vol 9, Issue 4	1237-1249	Dec-20	SCIE



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DEPARTMENT OF MECHANICAL ENGINEERING PAPER PUBLICATIONS FOR THE ACADEMIC YEAR 2019-20

S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
1	Dr. G. Satish	Comparative Study Of Different Pipe Geometries Using Cfd	ELSEVIER Materials Today	Vol 33, Part 8	1369-7021	Apr-20	SCOPUS
2	Dr. G. Satish	Flow Behaviour On Elbow With Various Geometries Of Nozzle	i-manager's Journal on Mechanical Engineering	9 (20) , PP 43-51	2249-0744	Apr-20	Other
3	K.L. Sai Kishore Rama Krishna Kadiam S. Anjaneyulu V. Sandhya Rani	Computational Fluid Analysis On Electronic Devices To Demonsrate The Thermal Effects On Material	IJMERT	Vol 12, Issue 1	2454 – 535X	Mar-20	UGC Approved
4	A. Phani Bhaskar	A Review On Use Of Plastic In Construction Of Roads	Journal of Advancement in Engineering and Technology	Vol 7, Issue 4	2348-2931	May-20	Other
5	A. Phani Bhaskar	Design And Fatigue Analysis Of Steering Components	International Journal of Enhanced Research in science, technology and Engineering	Vol 9, Issue 5	2319-7463	May-20	SCOPUS
6	Mr. Srikanth srimanthula Dr. B.S.V. Ramarao	Numerical Simulation For Heat Swapping Behavior On Various Pipe Geometries	i-manager's Journal on Mechanical Engineering	2020	2249-0744	May to July-2020	Other
7	Mr. G. Naveen Kumar Mr. K.Viswa Teja Mr. Kadali Dinesh Babu Mr. M R K R Chowdary	Design And Development Of Two Fingers And Four Fingers Grippers For Robotic Application	IJMEECE	Vol 7, Issue 2	2321-2152	Dec-19	UGC Approved
8	Mr. Menda Santhan Kumar Mr. P.Chinna Dr. Chollangi Rajesh Mr. A. Anil Kumar	Performance And Analysis Of A Condenser With Different Refrigerants Using Cfd	IJMERT	Vol 11, Issue 3	2454 – 535X	Sep-19	UGC Approved
9	Mr. V. Nagababu	Significance Of Using Hydraulic Oil As Working Fluid In Hydraulic Hybrid Vehicles	International journal of engineering applied science and technology	Vol 4, Issue 4, pp 115-118	2455-2143	2019	Other
10	Dr. G. Satish	Some Studies Of Mechanical And Thermal Behavior Of Cnt Based E-Glass Fiber Composites	i-manager's Journal on Mechanical Engineering	2019	2249-0744	2019	Other
11	Dr. B. S. V. Ramarao Mr. S. Srikanth	Modeling Study And Dynamic Analysis Of Drive Shaft Of An Automobile Using Composites	International Journal of Research	Vol VIII, Issue XI	2236-6124	2019	Other
12	Mr. D. J. Johnson	Influence Of Welding Speed On Tensile Strength Of Welding In Tig Welding Process	International Journal of Research	Vol VIII, Issue XI	2236-6124	2019	Other
13	Mrs. Ch. Vasantha lakshmi	Performance Of Piston Rod And Collar In Hydraulic Cylinder With Different Shapes And Material Configuration	International Journal of Research	Vol VIII, Issue XI	2236-6124	2019	Other



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DEPARTMENT OF MECHANICAL ENGINEERING PAPER PUBLICATIONS FOR THE ACADEMIC YEAR 2018-19

S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
1	Mr. D.J. Johnson Mrs. B. Anusha Srikanta Mr. S. Srikanth	Shake Table Experiment On Reactor Vessel	IJESI	Vol 8, Issue 1, Ver 1	2319 – 6734	2019	Other
2	Mr. P. Srinivasarao	Design And Analysis Of Vortex Generators For Reducing Drag Force In Automobiles By Using Cfd	International Journal of Scientific Development and Research (IJSDR)	Vol 4, Issue 5	2455-2631	2019	Other
3	Dr. G. Satish	Flow Behaviour On Elbow With Various Geometrics Of Nozzles	I managers journal of mechanical engg.	9(2), pp 43-51	2249-0744	2019	Other
4	Mr.G.Avinash Ms. M. Amrutha Mr. M. Sunilraj	Optimization Of The Francis Turbine To Get The Better Performance And To Decrease The Vibrational Effects In The Loading Conditions	European Journal of Business & Social	2021	2235-767X	2019	Other
5	Dr. Ch. Venkatadri Naidu Dr. P VVNR Prasad Raju Mr.V. Ravi Veera Chowdary Mr. D.V.G.Srinivas	Cfd Analysis Of A Parabolic-Trough Collector Using Nano-Fluids	IJMECE	Vol 7, Issue 2	2321-2152	May-19	UGC Approved
6	Mr. M. Vijaya Kumar Mr.G Balakrishna Reddy Mr.K. Satya Vara Prasad Ms. D.Mahalakshmi	Computational Fluid Analysis Of Different Airfoil Shapes	IJMERT	Vol 11, Issue 1	2454 – 535X	Jan-19	UGC Approved
7	Dr S. Sambhu Prasad Mr. G. Avinash	Effect Of Equal Channel Angular Pressing On The Mechanical Properties Of Al 4032–SiO2 Nano Composite Material	International Journal of Technical Innovation in Modern Engineering & Science	Vol 4, Issue 6	2455-2585	2018	Other
8	Mrs. Ch. Vasantha lakshmi Mr. D.J. Johnson Mrs. K. Aravinda	Design Of Multi Contact–Aided Cellular Compliant Mechanisms For Stress Relief	International Journal of Technical Innovation in Modern Engineering & Science	Vol 4, Issue 6	2455-2585	2018	Other
9	Dr S. Sambhu Prasad Mrs. B. Anusha Srikanta	Simulation Analysis On Femur Bone Along With Fracture Fixation Plate	International Journal of Technical Innovation in Modern Engineering & Science	Vol 4, Issue 6	2455-2585	2018	Other
10	Mr. S. Srikanth Mr. G.V.N. Santhosh	Design Optimization Of Aerodynamic Drag At The Rear Of Generic Passenger Car	International Journal of Technical Innovation in Modern Engineering & Science	Vol 4, Issue 6	2455-2585	2018	Other
11	Dr. S. Sambhu Prasad Dr. G. Satish	Experimental Studies On Mechanical Properties Of Polymer Based Composites	I managers journal of mechanical engg.	2018	2249-0744	2018	Other



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DEPARTMENT OF MECHANICAL ENGINEERING PAPER PUBLICATIONS FOR THE ACADEMIC YEAR 2017-18

S no	Name of the Faculty	Title of the paper	Journal Name	Volume& Issue	ISSN number	Month - Year	Journal Type
1	Ms. G. Lavanya Lakshmi Ms. M V Lakshmi Ms. K Deep Rani	Design And Analyze The Temperature In Finned Tube By Convection Process Using The Transient Thermal Analysis	IJMECE	Vol 6, Issue 1	2321-2152	Jan-18	UGC Approved
2	Mr. Ch Ramprasad Mrs. T. Sri Devi Ms. Dulla Rukmini Ms. U.Chaitanya Vardhini	Structural And Thermal Analysis On Honey Comb Structure With Different Materials	IJMECE	Vol 5, Issue 4	2321-2152	Dec-17	UGC Approved
3	Mr. A.V RamanaRao Mrs. K. Aravinda	Design And Analysis Of Boeing 747 Aircraft Wing Rib Using Composite Materials	International Journal of Emerging Technology and Advanced Engineering (IJETAE)	Vol 8, Issue 2	2250-2459	2018	Other
4	Mr. P. Sukumar Mr. S. Srikanth Mr. G.V.N. Santhosh	Modelling And Strength Analysis Of Diaphragm Accumulator	International Journal of Emerging Technology and Advanced Engineering (IJETAE)	Vol 8, Issue 3	2250-2459	2018	Other
5	Dr. S. Sambhu Prasad Mr. G. Avinash	Synthesis And Characterization Of Aluminum (4032) Metal And Nano Sio2 Composites For Evaluating Their Mechanical Properties	International Journal of Technical Innovation in Modern Engineering & Science	Vol 4, Issue 5	2455-2585	2018	Other
6	Dr. P. KumarBabu Mr. M. Sunil Raj	3D Modeling And Thermal Analysis Of Electrical Transformer Cooling System	International Journal of Technical Innovation in Modern Engineering & Science	Vol 4, Issue 5	2455-2585	2018	Other
7	Mr. A.V.RamanaRao Mr. G.Panduranga	Strength Analysis Of Sandwich Panels By Considering The Shape Effect Of Grid Stiffened Core	International Journal of Technical Innovation in Modern Engineering & Science	Vol 4, Issue 5	2455-2585	2018	Other
8	Dr. S. Sambhu Prasad Mr. G. Avinash	Design And Experimental Investigation Of Tensile Strength Properties Using Different Forms Of Layers For Epoxy Materials	International journal of research	Vol 5, Issue 15	2348-6848	2018	Other
9	Dr. S. Sambhu Prasad Mr. G. Avinash	Investigation On Effect Of Corrosion On Mechanical Properties Of Al 6061 And Al 7075	International journal of research	Vol 5 No 15	2348-6848	2018	Other
10	P. Kumar Babu Mr. S. Srikanth	Design And Cfd Analysis Of Different Pipe Joints Used In Water Supply Industries	IJEERT	Vol 5, Issue 6	2349-4409	2017	Other