

PRAGATI ENGINEERING COLLEGE (Autonomous)

DEPARTMENT OF MECHANICAL ENGINEERING PAPER PUBLICATIONS FOR THE ACADEMIC YEAR 2022-23

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 Dynammics	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 Analysys	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 Cifferent 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

PRAGATI ENGINEERING COLLEGE :: SURAMPALEM
FDP (MEC) - 2022-23

Dates (from-to) (DD-MM-YYYY)	Title of the conference/ workshops/ name of the professional body	Name of the teacher
19-12-22 to 24-12-2022	Advances and Futuristic Trends in Mechanical Engineering (AFTME), GIET College,Rajamahendravaram	Mr.B.Bharat kumar
19-12-22 to 24-12-2022	Advances and Futuristic Trends in Mechanical Engineering (AFTME), GIET College,Rajamahendravaram	Dr.G.Avinash
24-04-2023 to 28-04-2023	Online Continuing Education Program on "Opportunities and Challenges in Artificial Intelligence & Machine Learning for Mechanical Engineers, NIT Warangal, Telangana & NBKRIST, Vidyanagar, Andhra Pradesh	Mr.S.Srikanth
16-11-2022	Lecture series, Sri krishna college of Technology	Mr.B.Bharath kumar
21-11-2022 to 25-11-2022	Online Guest lecture on Introduction to Intellectual property and patent filing procedure, CK college of Engineering and Technology	Dr.G.Avinash
28-07-2023	National intellectual property awareness mission,Intellectual property office	Mr.S.Srikanth
13-09-2023	National intellectual property awareness mission,Intellectual property office	Dr.G.Avinash

PRAGATI ENGINEERING COLLEGE :: SURAMPALEM
WORKSHOP (MEC) - 2022-23

Dates (from-to) (DD-MM-YYYY)	Title of the conference/ workshops/ name of the professional body	Name of the teacher
5.-6-2022	Azure fundamentals	Mrs.K.Tulasi
16-08-2022	Teach forward:Best strategies for hyrid,remote and blended learning, Microsoft	Dr.D.Dharmalingam
16-08-2022	Teach forward:Best strategies for hyrid,remote and blended learning, Microsoft	Dr.G.Avinash
08-10-2022	Regional meet(Institution's innovation council,MOE innovation council), Andhra university	Dr.D.Dharmalingam
08-10-2022	Regional meet(Institution's innovation council,MOE innovation council), Andhra university	Mr.B.Bharat kumar
18-04-2022 to 22-04-2022	One-Day State-Level Workshop on “India Rankings-2023 National Institutional Ranking Framework (NIRF), Andhra Loyola Institute of Engineering &Technology, Vijayawada	Dr.G.Satish

PRAGATI ENGINEERING COLLEGE :: SURAMPALEM
DEPARTMENT OF MECHANICAL ENGINEERING

NPTEL SUMMARY FOR AY 22-23

S.no	Course Name	Name	Role	Department	Score From	Exam Score	Final Score	Certificate Type	Timeline
1	The Joy Of Computing Using Python	SRIMANTHULA SRIKANTH	Faculty	ME	10.94	30	41	Successfully completed	Jul-Oct 2023
2	Problem Solving Through Programming In C	SRIMANTHULA SRIKANTH	Faculty	ME	15.63	30	46	Successfully completed	Jul-Oct 2023