

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 Consiraints 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. Raghuv eer, 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 Stattice 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. Raghuv eer, 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

PRAGATI ENGINEERING COLLEGE :: SURAMPALEM
FDP (MEC) - 2023-24

Dates (from-to) (DD-MM-YYYY)	Title of the conference/ workshops/ name of the professional body	Name of the teacher
19-6-2023 to 23-6-2023	5 Day's Online International Faculty Development Program on Data Analyst, APSSDC	Mr.B.Bharat kumar
19-6-2023 to 23-6-2023	5 Day's Online International Faculty Development Program on Data Analyst, APSSDC	Mr.P.Ramprasad
19-6-2023 to 23-6-2023	5 Day's Online International Faculty Development Program on Data Analyst, APSSDC	Dr.G.Avinash
19-6-2023 to 23-6-2023	5 Day's Online International Faculty Development Program on Data Analyst, APSSDC	Mr.A.Yeswanth
19-6-2023 to 24-6-2023	One Week FDP on Advancements in Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram	Mr.S.Srikanth
26-6-2023 to 1-7-2023	One week FDP on 'Integrating Autodesk fusion-360', Lendi institute of Technology	Mr.S.Srikanth
26-6-2023 to 1-7-2023	One week FDP on 'Integrating Autodesk fusion-360', Lendi institute of Technology	Mrs.k.Aravinda

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WORKSHOP (MEC) - 2023-24

Dates (from-to) (DD-MM-YYYY)	Title of the conference/ workshops/ name of the professional body	Name of the teacher
17-7-2023 to 21-7-2023	Future scopes for additive manufacturing in industrial and bio medical applications, Aditya Engineering collegem, Surampalem	Dr.G.Avinash
13-09-2023	IP Awareness/Training program, National IP Awareness Mission	Dr.G.Avinash

PRAGATI ENGINEERING COLLEGE :: SURAMPALEM
DEPARTMENT OF MECHANICAL ENGINEERING

NPTEL SUMMARY FOR AY 23-24

S.no	Course Name	Name	Role	Department	From Assign	Exam Score	Final Score	Certificate Type	Timeline
1	Problem Solving Through Programming In C	AVINASH GUDIMETLA	Faculty	ME	25	37.5	63	Elite	Jan-Apr 2024
2	Introduction To Industry 4.0 And Industrial Internet Of Things	BOMMA BHARATH KUMAR	Faculty	ME	24.35	50.5	75	Elite+Silver	Jan-Apr 2024
3	Problem Solving Through Programming In C	ANUSURI PHANI BHASKAR	Faculty	ME	25	30	55	Successfully completed	Jan-Apr 2024
4	Problem Solving Through Programming In C	AKELLA YESWANTH	Faculty	ME	24.94	30	55	Successfully completed	Jan-Apr 2024