

PRAGATI ENGINEERING COLLEGE :: SURAMPALEM
PAPERS PUBLISHED (MEC) - 2021-22

S.NO	Name of the author/s	Title of paper	Name of journal	Year of publication	ISSN number
1	Akella Yeswanth, Pasikanti Gayathri	Mathematical modeling and analysis of a hydrogen based internal combustion engine	AUPET Press	Apr-22	2788-5488
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	Apr-22	0944-1344
3	Phanibhaskar Anusuri, Akella Yeswanth, Raghuvveer Nemani	Optimization of Pintle Injector Position to Control Thrust Propulsion	i managers journal of mechanical Engineering	May-22	2249-0744
4	Mr. Avinash Gudimetla Dr. S. Sambhu Prasad	Effect of SiHGM reinforcements on the corrosion rate of Al 4032 MMC	Materials today	Nov-21	1369-7021
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)	May-22	2454-9150
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 PROTOTYPING	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
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)	May-22	2454-9150

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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
13	Mr. N. Raghuv eer, 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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150

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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150

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)	May-22	2454-9150
24	Mr. S Srikanth, Mr. G. Avinash	DESIGN AND TOPOLOGY OPTIMISATION OF TRUCK CHASSIS FOR MAXIMUM STIFFNESS TO REDUCE THE WEIGHT USING ALTAIR INSPIRE	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
25	Mr. B. Bharat Kumar, Mr. N. Raghuvier	CFD ANALYSIS OF A FINNED TUBE WITH DIFFERENT CROSS SECTIONS TO IMPROVE THE HEAT TRANSFER RATE	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
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)	May-22	2454-9150
27	Mr. S.Srikanth, Mr. P. Ram Prasad	DESIGN AND ANALYSIS OF THREE PLATE INJECTION MOLD	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
28	Mrs. K.Aravinda, Mrs. P. Gayathri	MODELLING AND MASS OPTIMIZATION OF CNC MACHINE ARBOR FOR MAXIMUM CUTTING FORCE BY USING ALTAIR INSPIRE SOFTWARE	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
29	Mr. D.J.Johnson, Ms. M. Amrutha	CFD ANALYSIS OF WHOLE INSPIRED HYDROFOIL WITH DIFFERENT ANGLES OF ATTACK.	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
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)	May-22	2454-9150

31	Mr. V.V.N.Sarath, Mr. G. Avinash	DESIGN AND ANSLYSIS OF SCREW OPERATED GRIPPER AND RPT ESTIMATION.	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
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)	May-22	2454-9150
33	Mr. B. Hari Krishna, Mr. M.Sunil Raj	DESIGN AND ANSLYSIS OF AIRCRAFT ENGINE COOLING FAN	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
36	Mr. G. Avinash, Mr. N. Raghuveer	FORCED CONVECTION STUDIES WITH DIFFERENT GEOMETRIES IN TUBE BANK ARRANGEMENT USING CFD.	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
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)	May-22	2454-9150
38	Mr.A.Yeswanth, Mr. N. Raghuveer	3D PRINTING THERMO MECHANICAL ANSLYSIS OF CARBURETOR FOR OPTIMISED ORIENTATION FOR SLM 280M/C	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150

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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
43	Mr. V.V.N.Sarath, Ms. K. Tulasi, Mr. P. Ram Prasad	DESIGN AND RIGID DYNAMIC ANSLYSIS 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)	May-22	2454-9150
44	Mr. N. Raghuv eer, 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)	May-22	2454-9150
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)	May-22	2454-9150

46	Mr. M.Sunil Raj, Ms. M. Amrutha	STRUCTURE ANALYSIS OF EARTH AAUGUR BIT	International Journal for Research in Engineering Application & Management (IJREAM)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150

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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
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)	May-22	2454-9150
58	Mr.M. Anil Kumar Ms. S. Naga Subba Lakshmi Mrs. S.Swetha Radha Mrs. I. Sushma	STATIC AND DYNAMIC ANALYSIS ON THE MIXER BLADES	IJMECE	Nov-21	2321-2152
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	Nov-21	0886-9367
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	Nov-21	0886-9367
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	Oct-21	0886-9367

62	Dr S. Sambhu Prasad, Mr N.Raghuveer	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	Oct-21	0886-9367
63	Dr.G.Satish, Dr S. Sambhu Prasad	Studies based on CFD behaviour of aerofoil and regression analysis	Universal wiser	Oct-21	2717-5243
64	Mr.S.Srikanth, Dr. BSV Ramarao	Flow behaviour on grooved pipe A CD-nozzle using CFD	JETIR	Sep-21	2349-5162

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