

Vidya Jyothi Institute of Technology

Department of Mechanical Engineering

Faculty Research Papers

(During the assessment period)

VIDYA JYOTHI ISTITUTE OF TECHNOLOGY
DEPARTMRNT OF MECHANICAL ENGINEERING
LIST OF PAPERS PUBLISHED :2018-2019

S.No.	Name of Author	Title	Journal	SCOPUS/ UGC	Month & year	Volume	Page No.	ISSN	LINK
1	Dr.G.Sreeram Reddy	A Critical Review on preparation of Fe3O4 Magnetic nanoparticles and their potential applications	International Journal of Current Engineering and Technology	Google Scholar, Inpressco	Dec-2018	Vol-8, Issue-6	1613-1618	ISSN 2347 – 5161	http://inpressco.com/wp-content/uploads/2018/12/Paper141613-1618.pdf
	Dr. BV Reddi								
	Mr..Shaik Gulam Abul Hasan								
2	Dr.G.Sreeram Reddy	Response prediction of reverse engineered freeform surface by design of experiments	JMES	Scopus	Dec-2018	Vol. 12, Issue. 4,	pp. 4231-4242		https://doi.org/10.15282/jmes.12.4.2018.18.0364
	Dr. V.V. Satyanarayana								
	Mr.J.Jagadesh Kumar								
3	Dr.G.Sreeram Reddy	Design of plastic component using reverse engineering approach	International journal of engineering and technology	Scopus	July-2018	Vol-7, Issue-3	775-777		https://www.sciencepubco.com/index.php/ijet/article/view/21657/10335
	Dr.L. Madan Anand Kumar								
4	Mr.VR Rao	A Critical Review on Residual Stresses in Welded Joints	International Journal for Scientific Research & Development]	Google scholar	Oct-2018	vol-6, issue -8 ,	pg 88-93	ISSN (online): 2321-0613	http://www.ijsrd.com/articles/IJSRDV6I80086.pdf
5	Dr.V.Phanindra Bogu	3D Printed, Customized Cranial Implant for Surgical Planning	JIE	Springer	Jun-18	Vol-99, Issue-3	255-259	doi:10.1007/s40032-016-0292-3	https://www.researchgate.net/publication/303975801_3D_Printed_Customized_Cranial_Implant_for_Surgical_Planning
6	Mr.K.Ravi Kumar	Control of pollutants in supercharged partially adiabatic diesel engine with carburetted methanol and crude karanja oil blended with DEE	International Journal of Ambient Energy	SCI	Jan-2019		1-14	https://doi.org/10.1080/01430750.2019.1567587	https://doi.org/10.1080/01430750.2019.1567587
7	Mrs.B.Sudhabindu	Experimental investigations of ultra violet rays, wear tests and mechanical properties on jute reinforced E-Glas composites	International Journal of Innovative Technology and Exploring Engineering	Scopus	March-2019	Vol-8, Issue-5	1253-1256	ISSN: 2278-3075,	https://www.ijitee.org/wp-content/uploads/papers/v8i5/E2981038519.pdf
8	Mr.Naveen Kumar Mavoori	Investigation on surface roughness of sintered PA2200 prototypes using taguchi Method	rapid prototype journal	Scopus	Apr-2019	volume-25, issue -3	454-461	https://doi.org/10.1108/RPJ-10-2017-0201	https://doi.org/10.1108/RPJ-10-2017-0201
9	Mrs.G.Sowmya	A Review on fatigue failure in marine and naval applications	International Journal of Innovative Research in Science, Engineering and Technology	Google Scholar, Copernicus	Sep-2018	Vol-7, Issue-9	1-6	ISSN(Online): 2319-8753	http://www.ijirset.com/upload/2018/sepember/41_A%20REVIEW%20ON.pdf

10	Dr.L. Madan Anand Kumar	Biaxial Loading Analysis Of Laminated Polymer Composite Material	International Journal of Advance Engineering and Research Development	ugc recognized journals	Jun-2018	Vol-5 Iss-6	Pg320-324	ISSN (O): 2348-4470	http://ijaerd.com/papers/finished_papers/BIAXIAL_LOADING_ANALYSIS_OF_LAMINATED_POLYMER_COMPOSITE_MATERIAL-IJAERDV05I0685293.pdf
11	Mrs.T.Virajee	Designing and structural analysis of vehicle chassis made of composite material	International Journal of Research	Copernicus	Sep-2018	Vol-5, Issue-20	455-463	2348-6848	https://pen2print.org/index.php/ijr/
12	Mr. K Srinivasa Rao	Effect of Hydrogen enrichment on the performance and emissions of a Diesel engine fueled with Mahua biodiesel	ICRAMMES 2019	conference	Dec-19	Vol. 9,	126–133	2249–6890	https://www.researchgate.net/publication/342034455_EFFECT_OF_HYDROGEN_ENRICHMENT_ON_THE_PERFORMANCE_AND_EMISSIONS_OF_A_DIESEL_ENGINEFUELED_WITH_MAHUA-BIODIESEL
13	Mrs.T.Virajee	Modeling and weight optimization of oil pan by analysis	International Journal of Research	Copernicus	Sep-2018	Vol-5, Issue-20 /	464-472	e-ISSN: 2348-6848	https://journals.pen2print.org/index.php/ijr/article/view/16205
14	Mrs.T.Virajee	Optimization of machining parameters for face milling operation in a vertical CNC milling machine using algorithm	International Journal of Research	Copernicus	Sep-2018	Vol-7, Issue-9	1221-1227	2236-6124	http://ijrpublisher.com/gallery/145-september-2018.pdf
15	Mr.Shaik Gulam Abul Hasan	Optimization of The Suspension System And Its Stress Analysis	International Journal of Innovations in Engineering and Education	Google Scholar, Copernicus	Oct-18	Vol-1, Issue-1	32-40	2411-3123	http://www.ijeee.com/wp-content/uploads/2018/11/C-01-01-07.pdf
16	Mrs. J Emeema	DESIGN AND ANALYSIS OF AIR PREHEATER	International Journal of Mechanical and Production Engineering Research and Development	Scopus	Jun-18	Vol-8, Issue-3	100-1021	2249-8001	https://www.academia.edu/37435367/DESIGN_AND_ANALYSIS_OF_AIR_PREHEATER
17	Dr.G.Sreeram Reddy Dr. V.V. Satyanarayana Mr.J.Jagadesh Kumar	Experimental Investigation on Reverse Engineering Techniques Employing Response Surface	Advanced Manufacturing and Materials Science	Springer	Jun-2018		11-20	DOI: <u>10.1007/978-3-319-76276-0_2</u>	https://iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_7_ISSUE_4/IJMET_07_04_016.pdf

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PAPER PUBLISHED IN 2019-2020

S.No.	Name of Author	Title	Journal	SCOPUS /UGC	Volume	Page No.	Month & Year	ISSN	LINK
1	Dr.G.Sreeram Reddy	Design and development of mechanical vibrating filter for reclaiming coolant from aluminium sludge	Clarivate Analytics	web of science	19	895-901	2019		https://www.researchgate.net/publication/337262976_Design_and_development_of_mechanical_vibrating_filter_for_reclaiming_coolant_from_aluminium_sludge
	Dr. BV Reddi								
2	Dr.G.Sreeram Reddy	Effect of volume discounts on optimal transportation costs	International Journal of Innovative Technology and Exploring Engineering	Scopus	VOL-8, iss-8	472-474	Jun-19	ISSN: 2278-3075,	https://www.ijitee.org/wp-content/uploads/papers/v8i8/H6508068819.pdf
	Dr. VV satyanarayana								
	Mr.J. Jagadesh Kumar								
	Mr.Drs.Narsingh Rao								
3	Dr.V.Phanider Bogu	Effect of nickel coating on the mechanical behaviour of polymer replicated Al2O3 foams	Ceramic International	SCI	Volume 46	Pages 6871-6877	Nov-19	0272-8842	https://www.sciencedirect.com/science/article/pii/S0272884219333735?via%3Dihub
4	Dr. VV satyanarayana	TOPSIS – Taguchi Analysis of Notch Parameters on the Fatigue Life of Super Duplex Stainless Steel	International Journal of Innovative Technology and Exploring Engineering	Scopus	Volume-9 Issue-2	Pg.3649-3654	Dec-19	ISSN: 2278-3075	https://www.ijitee.org/wp-content/uploads/papers/v9i2/B8111129219.pdf
	Mr.J. Jagadesh Kumar								
5	Dr.G.Sreeram Reddy	Reverse Engineering on Jet Engine Turbine Blade Based on 3D Printing Design Intent	International Journal of Innovative Technology and Exploring Engineering	Scopus	Volume-8 Issue-12	5806-5810	Oct-19	ISSN: 2278-3075	https://www.ijitee.org/wp-content/uploads/papers/v8i12/L37141081219.pdf
	Dr.L. Madan Anand Kumar								
6	Dr. VV satyanarayana	optimization of AZ91D Magnesium Alloy friction stir welded joints by taghuchi method	International Journal of Mechanical and Production Engineering Research and Development	Scopus	Vol. 10, Issue 2,	591-600		ISSN (P): 2249–6890	http://paper.researchbib.com/view/paper/245768
	Mr.K Rajesh Kumar								
7	Dr. VV satyanarayana	Impact of Notch Geometry on the Pressure Bearing Capacity of AISI 316L Austenitic Stainless Steel under Fatigue Loading	Universal Journal of Mechanical Engineering	Scopus	Vol-6	Pg.336-347	Oct-19	DOI: 10.13189	https://www.hrpub.org/download/20191030/UJME5-15113796.pdf
	Mr.J. Jagadesh Kumar								
8	Dr.G.Sreeram Reddy	Reverse Engineering on Jet Engine Turbine Disk	International Journal of Innovative Technology and Exploring Engineering	Scopus	Volume-8 Issue-12,	5118-5121	Oct-19	ISSN: 2278-3075	https://www.ijitee.org/wp-content/uploads/papers/v8i12/L27571081219.pdf
	Dr.L. Madan Anand Kumar								
9	Mr.T Pavan Kumar	An Overview Of Fungal And Bacteria On Different Roof Sheets	International Journal Of Scientific Research And Review	UGC	Vol-8, ISS-6	pg:692-700	Jun-19	ISSN NO: 2279-543X	http://www.dynamicpublisher.org/gallery/88-ijstr-d-2229.f.pdf
	Mrs.B.Sudhabindu								
10	Mr.RNSV Ramakanth	Design And Fabrication Of Portable Airconditioner	International Journal Of Engineering Development And Research	UGC	vol-8, Iss-1	357-361	Mar-20	ISSN: 2321-9939	https://ijedr.org/papers/IJEDR2001067.pdf
	Mrs.C.Lakshmi Sindhuja								
	Mrs.J Emeema								
11	Dr.G.Sreeram Reddy	Design of Powered Wheel Dolly for Construction Stair Case	International Journal of Innovative Technology and Exploring Engineering	Scopus	VOL-8 ISS-12	2464-2466	Oct-19	ISSN:2278-3075	https://www.ijitee.org/wp-content/uploads/papers/v8i12/L30031081219.pdf
	Dr.L. Madan Anand Kumar								
12	Mrs.J Emeema	Double Pipe Heat Exchanger - Design, Experimentation and Analysis	International Journal Of Creative Research Thoughts	UGC	Volume 8, ISS-3	807-813	Mar-20	ISSN: 2320-2882	https://ijcrt.org/download.php?file=IJCRT2003108.pdf
	Mrs.C.Lakshmi Sindhuja								
	Mr.RNSV Ramakanth								

13	Mr.T Pavan Kumar Mr.S Ramakrishna Mrs.B.Sudhabindu	Effect of Mechanical Properties on Jute Fiber Reinforced By E-Glass Fiber When Treated to Change in	International Journal Of Innovative Technology And Exploring Engineering	Scopus	Vol-8,Iss-9	3434-3436	Jul-19	ISSN 2278-3075	https://www.ijitee.org/wp-content/uploads/papers/v8i9/I7762078919.pdf
14	Mr.k Ashok Chary Mr.J Pradeep kumar Mr.k Ravi Kumar	Visualization of flow pattern over cylinders and cylinder with cone for improved performance of wind turbines	International Journal of Innovative Technology and Exploring Engineering	Scopus	Vol-8,Iss-8		June-2019	ISSN 2278-3075	https://www.ijitee.org/wp-content/uploads/papers/v8i8/F4054048619.pdf
15	Mr.Drs.Narsingh Rao Mr.C. Naveen Raj Mr.N Praveen Mrs.G Sravya	Experimentation on Mechanical Properties of Fiber Reinforced polymer Composite Material	International Journal of Innovative Technology and Exploring Engineering	Scopus	vol-9, issue -3	1028-1033	Jan-20	ISSN: 2278-3075,	https://www.ijitee.org/wp-content/uploads/papers/v9i3/C8001019320.pdf
16	Dr.G.Sreeram Reddy Dr. VV satyanarayana Mr.k Ashok Chary Mr.J Pradeep kumar Mr.k Ravi Kumar	Facilitating Student Easy learning Through PB lab, LTC and CTL Components	Journal of Engineering Education Transformations	Scopus	Vol-241		January-2020	ISSN: 2349-2473	
17	Mr.S Ramakrishna Mr.Potula Chandra Kumar Mr.Shaik Gulam Abul Hasan Mr.C Rakesh	Find the Performance of Dual Fuel Engine Followed by Waste Cooking Oil Blends with Acetylene	International Journal of Innovative Technology and Exploring Engineering	Scopus	Volume-9 Issue-2	127-137	Jun-19	ISSN: 2278-3075,	https://www.ijitee.org/wp-content/uploads/papers/v9i2/A5214119119.pdf
18	Dr.G.Sreeram Reddy Dr. N. Ravinder Reddy Dr. VV satyanarayana Mr.J. Jagadesh Kumar	Gamification Technique In Engineering Education To Improve Learnability	Journal of Engineering Education Transformations	Scopus	Vol-33,	Pg.147-149	Jan-20	ISSN:2394-1707	http://www.journaleet.in/index.php/jeet/article/view/150083
19	Dr. VV satyanarayana Mr.J. Jagadesh Kumar	Impact of High-Velocity Oxy-Fuel ZrO2 Coating on Corrosion Resistance and Fatigue Life of AISI 316L Austenitic Stainless Steel	Advances in Materials Science and Engineering	web of science	Vol-2019,	1-9	July-2019	Article ID 5719694,	https://www.hindawi.com/journals/amse/2019/5719694/
20	Mr.K.Srinivasa Rao	Impact of Piston Geometry on Diesel Engine Performance, Emissions and Combustion	International Journal of Recent Technology and Engineering	Scopus	Vol-8, Iss-2,	3087-3091	Jul-19	ISSN: 2277-3878,	https://www.iirte.org/wp-content/uploads/papers/v8i2/B2378078219.pdf
21	Mr.K Rajesh Kumar	investigation on friction stir welding of dissimilar aluminium alloys AA6061 T6 & magnesium Alloy AZ31 using cerium powder	International Journal of Science and Research	UGC	Vol-9 , Issue-1,	pg-1466-1469	Jan-20	SSN- 2319-7064	https://www.ijrnet/archive/v9i1/ART20204372.pdf
22	Mr.T Pavan Kumar	Natural Fiber Reinforced Composites: A review	International Research Journal of Engineering and Technology	Google Scholar	Volume-6 Issue-11	262-266	Dec-2019	ISSN 2395-0072	https://www.irjet.net/archives/V6/i12/IRJET-V6i1231.pdf
23	Mr.K.Srinivasa Rao	Performance and Emission characteristics of a Turbocharged SI engine using Petrol-Ethanol fuel	International Journal of Mechanical and Production Engineering Research and Development	Scopus	Vol. 9, Issue 3,	463-469	Jun-19	ISSN(P): 2249-6890;	https://www.researchgate.net/publication/342465251_PERFORMANCE_AND_EMISSION_CHARACTERISTICS_OF_A_TURBOCHARGED_SI_ENGINE_USING_PETROL-ETHANOL_FUEL

24	Mrs.T . Virajee	problem solving an effective teaching methodology in outcome based teaching	ICTIEE	Scopus			JUNE		
25	Mrs.P. PAVANI	Smart applications using Robotic and lot Technologies in fighting against pandemic Covid 19 in Medical and Societal Sectors	International Journal of Innovative Technology and Exploring Engineering	Scopus	Volume-9 Issue-7	1265-1273	May-20	ISSN 2278-3075	https://www.ijitee.org/wp-content/uploads/papers/v9i7/G5931059720.pdf
	Mr.V Ramalingeswara Rao								
26	M Mallesh	Sensitivity analysis and Comparison of 3-RRRManipulators with Additional Branches	International Journal of Advanced Science and Technology	Scopus	Vol. 29, No. 03,	pp. 4493 - 4501	June-2019	ISSN: 2005-4238	http://sersc.org/journals/index.php/IJAST/article/view/5437
27	M Mallesh	Sensitivity Sensitivity Sensitivity Sensitivity Indices Indices Analysis of Analysis of 3-RRR Manipulator Manipulator Manipulator	International Conference on Recent Advances in Mechanical Engineering			1-3	Feb-20		

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S.No.	Name of Author	Title	Journal	SCOPUS /UGC	Volume	Page No.	Month & Year	ISSN	LINK
1	Dr.V. Phanindra Bogu	Analytical And Numerical Validation Of Truncated Cellular Lattice Structure With Various Strut Diameters	International Research Journal of Engineering and Technology	Google Scholar	Volume: 07 Issue: 11	1417-1429	Nov 2020	e-ISSN: 2395-0056	https://www.irjet.net/archives/V7/i11/IRJET-V7I11236.pdf
2	Dr. BV Reddi	Comparision of ER70S-2 with ER309L in synthesis of magnetic Nanoparticles using Arc Discharge method	International Journal of Current Engineering and Technology	Google Scholar	Vol.11, No.1	22-25	Jan-2021	E-ISSN 2277 – 4106	http://inpressco.com/wp-content/uploads/2021/02/Paper322-25.pdf
	Mr.Shaik Gulam Abul Hasan								
3	Dr.V. Phanindra Bogu	Elasticity Solutions of Functionally Graded Pressure Vessels: An Analytical and Numerical Study	Journal of The Institution of Engineers	Springer	102	75–85	Jan-2021		https://link.springer.com/article/10.1007/s40032-020-00641-z
4	Dr. J Jagadesh Kumar	Impact Of Notch Geometry On The Fatigue Life Of AISI 316L Austenitic Stainless Steel	International Research Journal of Engineering and Technology	Google Scholar	Volume: 07 Issue: 11	1389-1395	Nov 2020	e-ISSN: 2395-0056	https://www.irjet.net/archives/V5/i9/IRJET-V5I9211.pdf
5	Dr. BV Reddi	Investigation on the Morphological Size and physical parameters of magnetic Nanoparticles synthesized using Arc Discharge Method	Advanced Engineering Science	SCOPUS	Vol-45, Issue :5	1-8	Feb-2021	ISSN 2096-3246	
	Mr.Shaik Gulam Abul Hasan								
6	Dr.V. Phanindra Bogu	Numerical Investigation On Flexural Strength Of Lattice Sandwich Structures	International Research Journal of Engineering and Technology	Google Scholar	Volume: 07 Issue: 11	1254-1267	Nov 2020	e-ISSN: 2395-0056	https://www.irjet.net/archives/V7/i11/IRJET-V7I11208.pdf
7	Dr. BV Reddi	Synthesis and Characterization of Magnetic Nano-Crystallites using ARC-Discharge Method	Solid State Technology	SCOPUS	Volume: 63 Issue: 5	578-587	Sep-2020	ISSN 0038-111x	http://solidstatetechnology.us/index.php/JST/article/view/1574
	Mr.Shaik Gulam Abul Hasan								
8	Dr. BV Reddi	The effect of heat treatment on phase changes in magnetite (Fe3O4) and hematite (Fe2O3) nanoparticles synthesized by Arc-discharged method	Advanced Engineering Science	SCOPUS	Vol -46, Issue:1	49-57	Feb-2021	ISSN 2096-3246	
	Mr.Shaik Gulam Abul Hasan								
9	Mr. Kotturi Ravi Kumar	Experimental analysis of diesel engine with variable flow of acetylene gas in dual fuel mode	INTERNATIONAL JOURNAL OF AMBIENT ENERGY	SCOPUS	issue-2	1-8	Aug-2020	0143-0750	https://www.tandfonline.com/doi/full/10.1080/01430750.2020.1797873

<https://doi.org/10.1080/01430750.2020.1797873>

10	Mr. Kotturi Ravi Kumar	Experimental investigation of diesel engine with Neem seed oil and compressed natural gas	INTERNATIONAL JOURNAL OF AMBIENT ENERGY	SCOPUS	issue-4	1-11	May-2021	0143-0750	https://www.tandfonline.com/doi/full/10.1080/01430750.2021.1923568	https://doi.org/10.1080/01430750.2021.1923568
11	Mr. J. Jagadesh Kumar	Effect Of Notch Geometry On The Fatigue Life Of Uns S32760 Super Duplex Steel Tig Welded Joints	International Research Journal of Engineering and Technology	Google Scholar	Volume: 07 Issue: 11	1396-1399	Nov-2020	2395-0072	https://www.irjet.net/archives/V7/I11/IRJET-V7I11232.pdf	
12	Mr. T Pavan Kumar	Experimental Investigation On Combine Basalt & Jute Reinforced Natural Fibers	International Research Journal of Engineering and Technology	Google Scholar	Volume: 07 Issue: 11	1485-1491	Nov-2020	2395-0072	https://www.irjet.net/archives/V7/I11/IRJET-V7I11247.pdf	
13	Dr. B. Ravinder Reddy	Study Of Mechanical And Metallurgical Properties Of Friction Stir Welded Aluminium Alloys (Aa2014 & Aa6082)Byaddition The Tio2nanoparticles And Its Simulation Anlysis	International Research Journal of Engineering and Technology	Google Scholar	Volume: 07 Issue: 11	1588-1601	Nov-2020	2395-0072	https://www.irjet.net/archives/V7/I11/IRJET-V7I11264.pdf	
14	Mr. T Pavan Kumar	Development and Study of Mechanical Properties of Reinforced Composites	International Research Journal of Engineering and Technology	Google Scholar	Volume: 07 Issue: 11	1652-1659	Nov-2020	2395-0072	https://www.irjet.net/archives/V7/I11/IRJET-V7I11274.pdf	