



SANKETIKA

VIDYA PARISHAD ENGINEERING COLLEGE



(AUTONOMOUS)

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DEPARTMENT OF MECHANICAL ENGINEERING PAPER PUBLICATIONS

Names (s) of the Authors	Title of the Paper	Name of the Journal/Conference	Volume No, Issue No, Year	Indexed in SCI/Scopus/UGC
M.Padmanabham	Dynamic Recrystallization-Driven Improvement of Corrosion Performance in Friction Stir Welded AZ61 Alloy	Canadian Metallurgical Quarterly	ISSN: Print ISSN: 0008-4433, Year:2025	SCI
M.Padmanabham	Correlation Between Pin-Induced Microstructure and Corrosion Behavior in Friction Stir Welded AZ61 Magnesium Alloy	The Institution of Engineers (India): Series D	ISSN: Electronic ISSN: 2250-2130. Print ISSN: 2250-2122. Year: 2025	Scopus
M.Padmanabham	Design of Heat exchanger and smart Thermolectric Power Generation with IoT	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 09 Issue: 04 April - 2025	UGC
M.Padmanabham	Design & fabrication of electro magnetic abrasive finishing machine	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 08 Issue: 04 April - 2024	UGC
M.Padmanabham	Structural Dynamics And Natural Frequency Evaluation Of Camshafts Manufactured Using Gray Cast Iron, Inconel 718 And Aluminium Alloy	International Journal of Creative Research Thoughts (IJCRT)	Volume 13, Issue 10 October 2025	UGC
M.Padmanabham	Comparative Structural And Modal Evaluation Of Pelton Wheel Buckets Using Gray Cast Iron, Inconel 625, And Stainless Steel	International Journal of Creative Research Thoughts (IJCRT)	Volume 13, Issue 10 October 2025	UGC

Dr.B.V.RAMANA MURTY	Aerodynamic Analysis of Fairings for Bicycles	International Journal of innovative Research in technology	Volume 8 issue 4 September 2021	ELSEVIER
Dr.B.V.RAMANA MURTY	Design and Analysis of A single Point Turning Tool by using Pro/e and Annoys	Proceedings of National conference on recent Advances in Mechanical Engineering NCRAME'14 JNTUK& V	22nd March 2014.	NATIONAL CONFERENCE
Dr.B.V.RAMANA MURTY	Simulation Analysis on pull production control systems by hybridization of CONWIP mechanism	International congress on innovative trends in Information Technologies and computing Sciences for competitive world order	ITITCSCWO-2013, JNU, New Delhi.	INTERNATIONAL CONFERENCE
Dr.B.V.RAMANA MURTY	Performance Evaluation of Pull production control mechanism using mathematical and simulation analysis on EKCS and HEKCS policies	2nd international conference on mechanics, simulation and control	ICMSC-2013, Coimbatore	INTERNATIONAL CONFERENCE
J. Kalpana	Influence of Amplitude on the Tensile Strength of Welded Joints fabricated under Vibratory Weld Conditioning	<i>Journal of Mechanical Engineering Research and Developments</i>	Vol. 39, Issue 3, pp. 757-762, 2016	SCOPUS
J. Kalpana	Effect of vibratory welding process on hardness of dissimilar welded joints	<i>Engineering Solid Mechanics</i>	Vol. 5, Issue 2, pp. 133-138, 2017	SCOPUS
J. Kalpana	Effect of frequency on impact strength of dissimilar weldments produced with vibration	<i>International Journal of Chemical Sciences</i>	Vol. 14, Issue 3, pp. 1797-1804, 2016	SCOPUS
J. Kalpana	A review on techniques for improving mechanical properties of fusion welded joints: A Review	<i>Engineering Solid Mechanics</i>	Vol. 5, Issue 4, pp. 213-224, 2017	SCOPUS
J. Kalpana	Mechanical properties enhancement in dissimilar weldments fabricated under vibratory weld conditioning	<i>Advanced Science, Engineering and Medicine</i>	Vol. 9, Issue 6, pp. 493-498, 2017	UGC
J. Kalpana	Regression Analysis for Estimating Hardness and Tensile Strength of Vibratory Dissimilar Welded Joint	International Journal of Management, Technology and Engineering	Vol.8, Issue 12, pp. 3560-3573, 2018	UGC

DR J. Kalpana	Fabrication of a smart hybrid EV battery Cooling and thermal safety system	INTERNATIONAL JOURNAL OF PROGRESSIVE RESEARCH ENENGINEERING MANAGEMENT AND SCIENCE	Vol.06 Issue 04, April 2026 pp. 632-636	UGC
DR J. Kalpana	Coupled thermal and structural analysis of a hybrid rocket's nozzle	IRJET	e-ISSN: 2395-0056 p-ISSN:2395-0072	UGC
M. Srinivasarao	Synthesis, testing, and evaluation of efficiency and emissions properties of tamarind-based biodiesel with magnetite nanoparticles	Journal of Thermal Analysis and Calorimetry	2024, 1-14	SCOPUS
M. Srinivasarao	Synthesis, stability, and emission analysis of magnetite nanoparticle-based biofuels	Journal of Engineering and Applied Science	69(1):79, 2022	SCOPUS
M.Srinivasa Rao	Analysis on CI Engine with Thermal Barrier Coating and Biodiesel Blends	Recent Advances in Material Science	pp. 711-721 , 2019	lecture notes
M.Srinivasa Rao	Effects of Nanoparticles Additives on Performance and Emissions Characteristics of a DI Diesel Engine Fuelled with Biodiesel	International Journal of Advances in Engineering & Technology	Volume 9 Issue 6, pp. 689-695 , 2016	UGC
M.Srinivasa Rao	Performance Analysis of DI Diesel Engine Fuelled with Diesel along with Nano Additives	International Journal of Engineering Trends and Technology	24(2) (2015) 107–110	UGC
M.Srinivasa Rao	Performance Evaluation and Recurring Jamming Problem Analysis of air Preheater in coal-fired power plants	International Research Journal of Engineering and Technology	2(5), 2015	UGC
M.Mouli Kumar	Design and fabrication of oceanic wave mechanical energy harvester	International journal of progressive research in engineering management and science	Volume 06, issue 04, April 2026	UGC

M.Mouli Kumar	Design and fabrication of solar powered under water waste collector	International journal of scientific research in engineering & management	Volume10 issue 04 April, 2026	UGC
M.Mouli Kumar	INTELLIGENT VEHICLE SAFETY AND FIRE DETECTION SYSTEM	Journal of emerging technologies and innovative research	Volume 13 issue 3, march-2026	UGC
M.Mouli Kumar	Design and fabrication of a low cost vibration isolator for small machinery	International journal of innovative research of science, Engineering & Technology	Volume 14 issue 11, November-2025	UGC
M.Mouli Kumar	Fatigue and structural analysis of disc brake	International journal of scientific research in engineering & management	Volume 09 issue 04 April, 2025	UGC
M.Mouli Kumar	SYNTHESIS & CHARACTERIZATION OF EGG SHELL REINFORCED POLYMER COMPOSITES	International Research Journal of Engineering and Technology	Volume 11 Issue 04, Apr 2024 .	UGC
M.Mouli Kumar	Design and fabrication of solar wind mill	International journal for multi disciplinary research	volume 5,issue 2(March-April 2023)	UGC
M.Mouli Kumar	Self Charging through Regenerative Braking System	International journal for multi disciplinary research	volume 5,issue 2(March-April 2023)	UGC
M.Mouli Kumar	Robotic Detector with Rocker Bogie Mechanism	International journal for multi disciplinary research	volume 5,issue 2(March-April 2023)	UGC
M.Mouli Kumar	Design and fabrication of 3-axis CNC Machine	international Journal of research publication and reviews	volume 3,issue 5,2022	UGC
R S KIRAN	Competency based training and development for the Engineering Students	IJERA	VOL-1,Iss-2,pp 246-250 (2011)-	UGC
R S KIRAN	Design and the Analysis of the Multi-Functional Helmet for the Industries	IJERA	Vol-1,Iss-4,pp 1774-1784(2011)	UGC
R S KIRAN	Teaching the Technical People through the Travel and Tourism	IJERA	Vol-2 ,Iss-2,pp 133-142 (2012)	UGC
R S KIRAN	Redesigning of a Service Center with the free and open source softwares providing R ⁴	IJERA	Vol-3 ,Iss-5,pp 166-170(2013)	UGC
R S KIRAN	Brainstorming as a tool for the Benchmarking for achieving the results in the Service-Oriented-Businesses		Vol-2,Iss-4,pp 310-313 (2013)	UGC

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R S KIRAN	Methodology of conducting an Action Research in a digitized manner	IJRME	Vol-1,Iss-1,pp 44-55 (2013)-	UGC
R S KIRAN	Analysis of a Service Quality using the SERVQUAL method and the Importance Analysis (IA) for the customer service(S) in a service center in India	IJCBS	Vol-1,ISS-1,pp 09-21 (2013)	UGC
R S KIRAN	What are the ways to develop the Rural-Techno-Entrepreneur(S)	IJRMS	Vol-1,Iss-1,pp 79-82 (2013)-	UGC
R S KIRAN	A research methodology for the CRM – A new research approach	IJERA	Vol-3,Iss-5,pp 176-187 (2013)-	UGC
R S KIRAN	Study and Redesign of maintenance service operations of Four-Wheelers (CARS)	GJAES	Vol-3,Iss-4,pp 172-180 (2013)	UGC
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R S KIRAN	A novice approach to solve the engineering / technology problems with the most updated tools	IJOER	Vol-2,Iss-4 (2014)-	UGC
R S KIRAN	How to make the financial analysis an easy task –A comparative analysis between the traditional and the modern approach	IJERA	Vol-4,Iss-8 (2014)-	UGC
R S KIRAN	A literary study on the bonding of the six sigma with the service quality for the enrichment of the service sector(S) for the construction projects	IJERA	Vol-4,Iss-9 (2014)	UGC
R S KIRAN	A Review on the online tools for the effective management of the engineering projects	JSAER	Vol-1,Iss-2 (2014)-	UGC
R S KIRAN	An Online review for the Business Sustenance with the Utmost clean and green energy tools	GJAR	Vol-2 ,Iss-2 (2015)	UGC
R S KIRAN	Online survey tools for the Descriptive Studies	GJAR	Vol-2 ,Iss-2 (2015)- SINGLE AUTHOR	UGC
R S KIRAN	A Gate-Way To R&D,L&D,T&D,F&D,M&D And G&D [A Review With The Online Surveys And Online Calculators]	GJAR	Vol-2 ,Iss-2 (2015)	UGC
R S KIRAN	A literature survey on the TCP-Test Case Prioritization using the RT-Regression Techniques	GJRE	Vol-15 , Iss-5 (2015)	UGC
R S KIRAN	A Case-Study on the on-line survey and the on-line tools for the policy , theory and practice implications	IJS DR	Vol-2 ,Iss-2 (2015)	UGC

R S KIRAN	E-Research procedure for the engineering design optimization approach	IJEAST	Vol-1 ,Iss-2 (2016)	UGC
R S KIRAN	A bird's eye-view on the measurement of the service quality for the service center operations with reference to the living standards in general	SMT journal	Vol-1 ,Iss-1 (2016)	UGC
R S KIRAN	A research methodology connecting the meta-analysis and the on-line tools	AJMECS	Vol-1,Iss-2 (2016)	UGC
R S KIRAN	A Research Oriented Methodological Approach for the Motor Vehicle Service Centers with Customer Relationship Managementthe online surveys for the end results	IJITM	Vol -2,Iss-1(2016)V	UGC
R S KIRAN	A basic and the applied research methodology for the generation of the enhanced research results for the stem	JOBARI	Vol.: 18, Issue.: 1(2016)	UGC
R S KIRAN	Procedure to verify whether a Hyposthesis is a Null Hypothesis or an Alternate Hypothesis for the Business Intelligence	IJETAE		UGC
R S KIRAN	Design, Analysis and Fabrication of the Biomedica plant using Al-Zn-Mg / Cu powder reinforced composite alloys	Materials Today Proceeding		Elsevier
R S KIRAN	Fabrication, Characterization and Finite Element Analysis of Disc Brake using aluminium alloy using A356 metal matrix composite	Materials Today Proceeding		Elsevier
R S KIRAN	Improve Quay Crane Reliability through Lean-Kaizen	IJMTST	Vol.: 7, Issue.: 10(2021)-	UGC & MSME
R S KIRAN	Design of CNC Machining	IJRPR	Vol.: 2, Issue.: 8(2021)	UGC
R S KIRAN	Design of wind turbine blade or self-renewable electric vehicle	IJMTST	Vol.: 7, Issue.: 10(2021)	UGC
R S KIRAN	IOT based 360deg drilling machine using NODEMCU	IJRPR	Vol.: 2, Issue.: 8(2021)	UGC
R S KIRAN	Design and Fabrication of Solenoid Radial Engine	IJRPR	Vol.: 3, Issue.: 5(2022)	UGC
R S KIRAN	Design and Fabrication of an Electric Vehicle	IJRPR	Vol.: 3, Issue.: 4 (2022)	UGC
R S KIRAN	Enhancing the productivity for the National GDP (A case study of the Iron & Steel Industry)	IJTE	Vol: XV, ISS-I(2023)	UGC & MSME
R S KIRAN	A Novice Approach for the Beginners of the Professional Medical	IRJHTI	Vol. 2 No. 03 (2023)	OFFICIAL JOURNAL ON the subject of MEDICAL

	Researchers: An Introduction			SCIENCES
R S KIRAN	A Research Methodology Connecting Meta-analysis and the Online Tools for the Budding Medicos: A Review	IRJHTI	Vol. 2 No. 02 (2023)	OFFICIAL JOURNAL ON the subject of MEDICAL SCIENCES
P.RAJESWARI	Transient heat transfer analysis of heat exchangers in a marnoch heat engine	JES	Vol 13, Issue 02, Feb/2022	UGC
P.RAJESWARI	Design and fabrication of multifaceted automation system for bucket excavator Manufacturing	IJSREM	Volume: 08 Issue: 04 April – 2024	UGC
P.RAJESWARI	Cost Optimization In Supply Chain Management Using Ai Techniques vs Traditional methods : A Case Study Of fresh basket logistics pvt.Ltd	IJFMR	Volume 7 , Issues 5 (September – October 2025)	UGC
M.SANTOSHI PAVANI	Fabrication of fire fighting robot	IJSREM	Volume: 08 Issue: 04 April – 2024	UGC
M.SANTOSHI PAVANI	Strength Evaluation Of Aluminium Alloy And Its Application O Ship Propellar	IJMER	Volume 6, Issue7(2), July, 2017.	UGC
CH.BHANUSRI	Thermal Propertiesof Pine Apple Leaf Fiber Reinforced Epoxy Composites by using Experimental andANSYS Analysis	IJMETMR	Volume No: 4(2017), IssueNo: 5 (may)	UGC
CH.BHANUSRI	Particle Size Effects of the Boric Acid in the Machining of AISI 1040 STEEL	IJRPR	Volume 2, Issue 2, 2021.	UGC
CH.BHANUSRI	Design And Fabrication Of Arduino Based Pneumatic Punching Machine	IJRPR	Volume 3, Issue 5, 2022	UGC
CH.BHANUSRI	A Comprehensive approach for stakeholder collaboration	IJCRT	Volume 11, Issue 12 December 2023	UGC
CH.BHANUSRI	Revolutionizing indian manufacturing: A comprehensive framework for seamless integration into the industry 4.0 landscape and beyond	IJCRT	Volume 11, Issue 12 December 2023	UGC
CH.BHANUSRI	IOT Based Solar Grass Cutting Robot	IJFMR	Volume 5, Issue 2, March-April 2023	UGC
M.Padmanabham	Design and fabrication of 3D Printer	IJRPR	Volume 3, Issue 5, 2022	UGC
M.Padmanabham	To study Material handling systems in order to improve productivity	IJRPR	Volume 3, Issue 5, 2022	UGC
M.Padmanabham	Nonlinear Finite Element Buckling Analysis of Arm stand of dynamic compaction machinery	IJRASET	Volume 7 Issue IX, Sep 2019	UGC
M.Padmanabham	Design and analysis of a heavy vehicle chassis for composite materials for	JETIR	February 2018, Volume 5, Issue 2	UGC

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M.Padmanabham	Static Analysis on a Savonius rotor type wind turbine made using mild steel material	IJMPE	Volume-4,Issue-3, April 2016	UGC
M YASWANTH	Green synthesis and Characterization of Graphene Oxide Nano Particles in Diesel Engine Performance	International journal of scientific research in engineering & management	Volume 10 issue 04 April,2026	UGC