



GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES (A)

ENGINEERING AND TECHNOLOGY PROGRAM

DEPARTMENT OF MECHANICAL ENGINEERING

PARTICULARS OF RESEARCH PUBLICATIONS

Journal Publications A.Y 2025-2026

S.No.	Faculty Name (s)	Title of the Paper	Title of the Journal	Published /Under Review	Volume (ISSUE)	ISSN	YEAR	Indexing
1	K.Sai Kiran Kumar	Analysis of Aerodynamics of a Missile using Ansys Fluent Software	International Journal of Research Publication and Reviews	Published	6(8)	2582-7421	08-2025	Google scholar
	Dr. Ch. Himagireesh							
2	Dr.BVS Arun Kumar	Effect of cryo-rolling process on the microstructure, texture evolution, and wear behaviour of Al-4.5%Cu alloy	Journal of Engineering Manufacture	Published	1(1)	0954-4054	7-10-2025	SCOPUS and SCIE
3	P. Krishna Murthy,	A User-centred Hybrid Framework for Material Selection Using QFD, TOPSIS, Entropy, validated using Sensitivity Analysis	Journal of The Institution of Engineers (India)	Published	1(1)	0974-9975	10-09-2025	Springer Proceeding
	CH. Murali,							
	K. Sai Kiran kumar							
	K. G. Durga Prasad &							
4	Smt.Taj	Experimental study on mechanical characteristics of al 6061 metal matrix composite reinforced with corn powder	AIP Proceedings	Published	1(1)	0094-243X	30-09-2025	SCOPUS
	Smt.P.Kiranmayi							
5	Ms.Taj,	Enhancing road safety: Alcohol detection and engine locking with GPS and GSM tracking	Application of AI Smart Technologies	TO BE PUBLISHED			2024	SCOPUS
	P.V.Vinay,							
	P.Kiranmayi,							
	Dr.Ch.Himagireesh							
6	Dr.Ch.Himagireesh	Ensemble Machine Learning Framework for Predicting	international journal		1(1)		15-03-2026	Web of Science



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		and Optimizing Electromagnetic Shielding of Al6061 Hybrid Metal Matrix Composites	Engineering Research Express.					(Emerging Sources Citation Index – ESCI), Scopus
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PUBLICATION OF PAPERS IN CONFERENCE PROCEEDINGS

A.Y 2025-2026

S.No	Title of the Conference	Place and Organized by	Year	Title of the paper	Authors	Indexing	National/ International	Status of publication
1	International Conference on Recent Advances in Mechanical and Industrial Engineering 2025(ICRAMIE – 2025)	Prasad V. Potluri Siddhartha Institute of Technology Kanuru, Vijayawada – 7	8-9 may 2025	Evaluation of Hardness and Wear Characteristics of AA6061-T651 Friction Stir Welded Joints	Dr.K. Sri Ram Vikas	Web of Science materials science	International	Published
2	International Conference on Recent Advances in Mechanical and Industrial Engineering 2025(ICRAMIE – 2025)	Prasad V. Potluri Siddhartha Institute of Technology Kanuru, Vijayawada – 7	8-9 may 2025	Microstructural Evolution, hardness and wear Behaviour of AZ31 Magnesium Alloy Processed by Friction Stir Processing at Varying Tool Rotational Speeds	Dr.K. Sri Ram Vikas	Web of Science materials science	International	Published
3	International Conference on Recent Advances in Mechanical and Industrial Engineering 2025(ICRAMIE – 2025)	Prasad V. Potluri Siddhartha Institute of Technology Kanuru, Vijayawada – 7	8-9 may 2025	A fundamental review on composite materials and some of their applications in mechanical, thermal and electrical industries	Dr.P.V. Vinay Dr.Ch. Himagireesh Dr.K.Sri Ram Vikas Romala Rajesh	Web of Science materials science	International	Published