

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

AY 2024- 25

Sl No	Category	Faculty	Title
1	Journal Papers	SUMAM MARY IDICULA	A Study of the State of the Art Approaches and Datasets for Multilingual Natural Language Inference
2	International Conferences	ANGEL VARGHESE	Design and Functionality of an Agrobot: A Conceptual Framework.
3	International Conferences	ANGEL VARGHESE	Improving Discharge Summary Generation through Clinical Text Summarization with QLoRA and LLMs
4	National Conferences	ANJALY MURALIDHARAN	Dual Approach for Video Summarization: Key Frame Captioning and Audio Summarization
5	International Journal Papers with impact factor >2.5	ANOOPA S	Video anomaly localization using modified faster RCNN with soft NMS algorithm
6	Conferences Proceeding	ANOOPA S	Smart Glove for Sign Language Interpretation and Vocalization
7	International Conferences	CERENE MARIAM ABRAHAM	Designing Assistive Smart Glasses for Sudden Vision Loss: Empowering the Elderly and Technology-Averse Users
8	National Conferences	CERENE MARIAM ABRAHAM	Design of an Intelligent and Assistive Security System using Deep Learning Techniques
9	International Conferences	DIVYA K S	HER SHIELD: Speech Emotion Recognition for Women's Safety
10	Conferences Proceeding	PRIYA C V	Skill Mount: Personalized Career Skills Development Using Machine Learning Algorithms
11	Conferences Proceeding	RIJA JOSE	FairHire: AI-Driven Resume Profiling and Technical Interview Automation
12	International Conferences	SHEENA Y	Single Channel EEG Classification for Motor Task
13	International Journal papers with impact factor <1.5	SUMESH M S	Illegitimate Comment Filtration Method for Social Media Applications Using Logistic Regression

MECHANICAL ENGINEERING

Sl No	Acad Year	Type	Faculty	Title	Journal name	DOI	Month & Year of Publication	Indexing	Impact factor	Peroid	Verified
1	2024-2025	International Conferences	Dr. Bibin Jose	Feasibility study on the Bonding mechanism and Mechanical characteristics of Friction Stir Welded Aluminium 5754 to Polypropylene hybrid joints	Proceedings of International Conference on Material science (MAT ZONE – 2024), Providence college of Engineering, Kerala.	NA	December 2024	Scopus	NA	In this college	Yes
2	2024-2025	International Conferences	Dr. Bibin Jose	Development of double pulse tungsten inert gas welding technique for high-performance AA2024 T3 aerospace components	Proceedings of International Conference on Material science (MAT ZONE – 2024), Providence college of Engineering, Kerala.	NA	December 2024	Scopus	NA	In this college	Yes
3	2024-2025	Journal	Dr. Bibin Jose	Laser Hybrid Welding- An advanced Joining Technique for Welding of Thick Plates of Maraging Steel	Journal of Materials Engineering and Performance (Springer)	https://doi.org/10.1007/s11665-024-10409-6	November 2024	SCI/SCIE	2.2	In this college	Yes
4	2024-2025	Journal	Dr. Bibin Jose	Effect of nitrogen on high temperature dry sliding wear of 316L (N) stainless steel	Journal of Mechanical Science and Technology (Springer)	https://doi.org/10.1007/s12206-024-0918-y	October 2024	SCI/SCIE	1.5	In this college	Yes
5	2024-2025	Journal	Dr. Bibin Jose	Innovative D-Process MIG Welding for Enhanced Performance of Thick Sections of MDN 250 in Aerospace Applications	Welding International (Taylor & Francis)	https://doi.org/10.1080/09507116.2024.2413379	October 2024	SCI/SCIE	0.7	In this college	Yes
6	2023-2024	Journal	Dr. Bibin Jose	Development of a novel autogenous double pulse tungsten inert gas welding technique for joining IN625 in concentrated solar power plants	Materials Today Communications (Elsevier)	https://doi.org/10.1016/j.mtcomm.2024.108567	June 2024	SCI/SCIE	3.7	In this college	Yes

7	2024-2025	Journal	Dr. Bibin Jose	Technology development of novel autogenous double pulse tungsten insert gas welding technique to evaluate the depth of penetration, micro segregation via machine learning and desirability function approach	Materials Today Communications (Elsevier)	https://doi.org/10.1016/j.mtcomm.2024.109614	August 2024	SCI/SCIE	3.7	In this college	Yes
8	2024-2026	Journal	Dr. Bibin Jose	Experimental Investigation on Solidification Cracking & Intergranular Corrosion of AISI 321 & AISI 316 L Dissimilar Weld on Pulsed Current Gas Tungsten Arc Welding (PCGTAW)	Heliyon (Elsevier)	https://doi.org/10.1016/j.heliyon.2024.e34648	August 2024	SCI/SCIE	3.4	In this college	Yes
9	2024-2025	Book Chapters	Dr. Nikhil M Thoppil		CRC Press						Yes
10	2023-2025	Book Chapters	Dr. Bibin Jose	Augmented Reality in Manufacturing: A Comprehensive Review	Gyanveshan	NA	December 2023	Google Scholar	NA	In this college	Yes