

DIVISION OF COMPUTER SCIENCE ENGINEERING
Faculty Publications & Research Contributions | Academic Year 2024–2025

JOURNALS

SI No	Name of the Faculty	Title of the Paper	DOI / Reference Link	Indexing Status
1	Dr Sumam Mary Idicula	A Study of the State of the Art Approaches and Datasets for Multilingual Natural Language Inference	https://doi.org/10.1007/s11063-024-11673-2	SCIE 25 October 2024
2	Dr Sumam Mary Idicula	A Systematic Survey of Automatic Image Description Generation Systems	https://doi.org/10.1142/S0219467826500026	ESCI, Scopus 18 June 2024
3	Ms Lekshmi R	MNEMONIC: Multikernel contrastive domain adaptation for time-series classification”, Engineering Applications of Artificial Intelligence, Elsevier, No. 133 (2024): 108255.	https://doi.org/10.1016/j.engappai.2024.108255	SCIE, Scopus July 2024
4	Ms Anoop S	Video Anomaly Localisation using Modified faster RCNN with Soft NMS Algorithm International Journal of Data Analytics	https://link.springer.com/article/10.1007/s41060-024-00591-0	ESCI, Scopus 08 July 2024
5	Dr Jina Varghese	A novel approach for long-term secure storage of domain independent videos	https://doi.org/10.1016/j.jvcir.2024.104279	Scopus October 2024
6	Dr Sreenu.G	Violence detection in crowd videos using nuanced facial expression analysis"	https://doi.org/10.1016/j.sasc.2024.200104	Scopus, December 2024
7	Dr Vicky Nair	Deep Learning And Hybrid Approaches For Script-Independent Handwritten Character Recognition: Advancing Generalization Across Diverse Languages	https://doi.org/10.62441/nano-ntp.vi.2560	Scopus, September 2024

CONFERENCES

Sl No	Name of the Faculty	Title of the Paper	DOI / Publication Source	Indexing / Date
1	Dr Rajesh Cherian Roy	Local and Global Context Feature Fusion for Effective Spoken Language Identification in Indian Linguistics	https://doi.org/10.1109/ISENSE63713.2024.10872051	IEEE Xplore, Scopus February 2025
2	Dr Sumam Mary Idicula	GUI Element Detection via YOLOV8: A Deep Learning Approach for Widget Identification	https://doi.org/10.1109/ICTEST60614.2024.10576164	IEEE Xplore, Scopus July 2024
3	Dr Cerene Mariam Abraham	Designing Assistive Smart Glasses for Sudden Vision Loss: Empowering the Elderly and Technology-Averse Users	https://doi.org/10.1109/ETIS64005.2025.10960972	IEEE Xplore, Scopus April 2025
4	Dr Priya C V	Skill Mount: Personalised Career Skills Development Using MachineLearning Algorithms	https://doi.org/10.1109/ICACC63692.2024.10845560	IEEE Xplore Scopus January 2025
5	Dr Priya C V	TransLp: AI Driven Video Translation and Synchronization,	10.1109/ICTEST64710.2025.11042317	IEEE Xplore Scopus June 2025
6	Dr Priya C V Ms Angel Varghese	Design and Functionality of an Agrobot: A Conceptual Framework	https://doi.org/10.1109/ICITIIT61487.2024.10580854	IEEE Xplore Scopus July 2024
7	Ms Jency Thomas	Pattern of Lung Injury in CT/HRCT Using Deep Learning Techniques	https://doi.org/10.1007/978-981-97-2082-8_8	Scopus June 2024
8	Dr Jina Varghese	MoleculeXpert: A Novel Architecture for Expert-Level Molecule Analysis of HIV Inhibition	https://doi.org/10.1109/ICTEST60614.2024.10576129	IEEE Xplore, Scopus July 2024

SI No	Name of the Faculty	Title of the Paper	DOI / Publication Source	Indexing / Date
9	Mr Sumesh M S	Illegitimate Comment Filtration Method for Social Media Applications Using Logistic Regression	https://doi.org/10.1007/978-981-97-2611-0_14	Scopus June 2024
10	Ms Rija Jose	FairHire:AI-Driven Resume Profiling and Technical Interview Automation,	https://doi.org/10.1109/ICTEST64710.2025.11042555	IEEE Xplore Scopus June 2025
11	Ms Anjaly Muralidharan	Dual approach for video summarization:Key frame captioning and Audio Summarization,	https://doi.org/10.1109/ICTEST64710.2025.11042834	IEEE Xplore Scopus June 2025
12	Ms Dimple Elizabeth Baby	Fine Tuning Tiny LLaMA and GPT-2 with Proximal Policy optimization for Sentiment Enhancement and Toxicity Reduction,	http://dx.doi.org/10.1109/ICTEST64710.2025.11042287	IEEE Xplore Scopus June 2025
13	Ms Divya K S	HER SHIELD: Speech Emotion Recognition for Women's safety,	https://doi.org/10.1109/ICTEST64710.2025.11042720	IEEE Xplore, Scopus June 2025
14	Dr Anishin Raj MM	Tata Motors Stock Price Prediction Using Predictive Artificial Intelligence	https://doi.org/10.1109/ICACCS60874.2024.10717037	IEEE Xplore October 2024
15	Dr Anishin Raj MM	Secured Information Hiding principle for Concealing 448-Bit Key of Blow-Fish Algorithm on Digital Images using Chess game based Queen placement strategy	10.1109/ICTEST64710.2025.11042283	IEEE XPlore, June 2025
16	Dr Anishin Raj MM	Object detection in haze for UAV using DCP and YOLO,	10.1049/icp.2024.4402	IEEE XPlore , January 2025
17	Ms Mithu Mary George	Elastic Stack: A Comprehensive Overview	10.1109/RAICS61201.2024.10690099	IEEE Xplore October 2024

SI No	Name of the Faculty	Title of the Paper	DOI / Publication Source	Indexing / Date
18	Dr Rajesh Cherian Roy	Leveraging Augmented Samples as an Auxiliary Task for Enhancing Spoken Language Identification in Indian Languages	https://doi.org/10.1109/ICTEST64710.2025.11042813	IEEE Xplore May 2025
19	Dr Priya C V	Integrated ML Approach for Fake News Detection	https://ieeexplore.ieee.org/document/10958473	IEEE Xplore April 2025
20	Ms Haritha H	Multiple Disease Prediction Using Machine Learning with Chatbot and Doctor-Patient Appointment System	10.1109/ICSPCRE62303.2024.10674954	IEEE Xplore July 2024
21	Ms Haritha H	Design of Cost Function Minimization Algorithm for Computer Vision based model building	10.1109/ICCCNT61001.2024.10726261	IEEE Xplore04 November 2024
22	Ms Haritha H	Cricket Team Selection and Player Analysis using Data Analytics	10.1109/RAICS61201.2024.10689923	IEEE Xplore October 2024
23	Dr Sreenu G	Schematic Review on the Application of Blockchain & IOT integration with Sentiment Analysis in Supply chain management	10.1109/ETIS64005.2025.10961615	IEEE Xplore April 2025
24	Ms Sheena K V	Predictive Property Value Analysis	10.1109/ICONAT61936.2024.10774967	IEEE Xplore September 2024

BOOK CHAPTERS

SI No	Name of the Faculty	Title of the Chapter	DOI / Link	Indexing & Details
1	Dr Sumam Mary Idicula	A deep learning approach for underwater feature extraction	https://doi.org/10.1201/9781003587392-78	Taylor & Francis

DEPARTMENT OF MECHANICAL ENGINEERING
Faculty Publications & Research Contributions | Academic Year 2024–2025

SI 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
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