

DEPARTMENT OF COMPUTER SCIENCE & ALLIED
Faculty Publications & Research Contributions | Academic Year 2023–2024

JOURNALS

SI No	Name of the Faculty	Title of the Paper	DOI / Reference Link	Indexing Status
1	Dr Rajesh Cherian Roy	The Effect of Synthetic Voice Data Augmentation on Spoken Language Identification on Indian Languages.	https://doi.org/10.1109/ACCESS.2023.3316142	SCIE, IEEE Access, Scopus, September 2023
2	Dr Anishin Raj.M.M	Systematic Review on Internet of Things in Smart Livestock Management Systems.	https://doi.org/10.3390/su16104073	SCIE, SSCI May 2024
3	Ms Dhanya Sudarsan	Enhancing Malayalam Palm Leaf Character Segmentation: An Improved Simplified Approach	https://doi.org/10.1007/s42979-024-02848-8	Scopus May 2024
4	Ms Dhanya Sudarsan	Development of an effective character segmentation and efficient feature extraction technique for malayalam character recognition from palm leaf manuscripts.	https://doi.org/10.1007/s12046-023-02181-5	SCIE Scopus August 2023

CONFERENCES

SI No	Name of the Faculty	Title of the Paper	DOI / Publication Source	Indexing / Date
1	Ms Jisha James	Review on TIRADS Scoring Based Thyroid Nodule Malignancy Detection	https://doi.org/10.1109/ICSCC59169.2023.10334986	IEEE Xplore Scopus December 2023
2	Ms Jency Thomas	Computational Method of Predicting Down Syndrome on Foetus by Utilizing First Trimester Ultrasound Scan	https://doi.org/10.1109/ICSCC59169.2023.10335008	IEEE Xplore Scopus December 2023
3	Ms Fasila K A	Implementation of Parallel Redundancy Protocol as a Linux Kernel Module.	https://doi.org/10.1109/ICSCC59169.2023.10335046	IEEE Xplore Scopus December 2023

4	Ms Fasila K A	Implementation of SOC using ELK with Integration of Wazuh and Dedicated File Integrity Monitoring	https://doi.org/10.1109/ICSCC59169.2023.10334992	IEEE Xplore Scopus December 2023
5	Ms Rakhee M	ElectRA-Decentralized Voting Application.	https://doi.org/10.1109/ICSCC59169.2023.10334998	IEEE Xplore Scopus December 2023
6	Ms Rakhee M	Blockchain-Based Paper Review System	https://doi.org/10.1109/ICSCC59169.2023.10335042	IEEE Xplore Scopus December 2023
7	Dr Anishin Raj M M	Retinal Fundus Image Synthesis using Image Segmentation and DCGAN	https://doi.org/10.1109/ICSCC59169.2023.10334992	Scopus April 2024
8	Dr Sumam Mary Idicula	A Novel Approach For English-Hindi Cross lingual Summarization	https://doi.org/10.1109/ICSCC59169.2023.10335063	IEEE Xplore Scopus December 2023
9	Dr Sumam Mary Idicula	Neural Network Based Machine Translation Systems for Low Resource Languages: A Review	https://doi.org/10.21467/proceedings.16043	Conference proceeding December 2023
10	Dr Sumam Mary Idicula	English to Indian Sign Language Gloss Structure Translation using Sequence to Sequence Model	https://doi.org/10.1109/ICSCC59169.2023.10335040	IEEE Xplore Scopus December 2023
11	Ms Divya K S	Aroma Detection: A Brief Study on Olfactory Science Using AI	https://doi.org/10.1007/978-981-96-6707-9	Scopus, April 2024
12	Dr Cerene Mariam Abraham	Implementation of an AI-Powered Non-Verbal Communication Coach,	https://www.researchgate.net/publication/380937860_Implementation_of_an_AI_Powered_Non-verbal_Communication_Coach	Scopus, March 2024
13	Dr Priya C V	Automatic Text Summarization: Methods, Metrics and Datasets	https://link.springer.com/book/9789819983971	Scopus March 2024

14	Dr Priya C V	Novel Approach For English-Hindi Cross lingual Summarization	https://doi.org/10.1109/ICSCC59169.2023.10335063	IEEE Xplore, Scopus December 2023
15	Ms Dimple Elizabeth Baby	Automated system for identifying vaccinated persons by iris recognition technique using deep learning models	https://doi.org/10.1063/5.0196262	AIP Conference proceedings February 2024
16	Ms Dhanya Sudarsan	An Overview on Breast Cancer Detection & Classification Methods Using Machine Learning Techniques	https://doi.org/10.1109/ICPCSN58827.2023.00032	IEEE Xplore, Scopus October 2023
17	Ms Haritha H	Cricket Team Selection and Player Analysis using Data Analytics	https://doi.org/10.1109/RAICS61201.2024.10689923	IEEE Xplore: May 2024

BOOK CHAPTERS

SI No	Name of the Faculty	Title of the Chapter	DOI / Link	Indexing & Details
1	Dr Vicky Nair	Enhanced Decision-Making and Predictive Analytics in IoT Implementing Random Forest Classifier	https://www.taylorfrancis.com/chapters/edit/10.1201/9781032665535-11	SCIE June 2024
2	Mr .Sumesh M S	Illegitimate Comment Filtration Method for Social Media Applications Using Logistic Regression	link.springer.com/chapter/10.1007/978-981-97-2611-0_14	Scopus June 2024
3	Ms Sreenu G	A smart shopping cart: Ezi-kart	https://doi.org/10.1007/978-3-031-35641-4_1	Scopus July 2023
4	Ms Fasila. K.A.	Pattern of Lung Injury in CT/HRCT Using Deep Learning Techniques.	https://link.springer.com/book/10.1007/978-981-97-2082-8	Scopus June 2024

DEPARTMENT OF MECHANICAL ENGINEERING
Faculty Publications & Research Contributions | Academic Year 2023–2024

SI No	Type	Faculty	Title	Journal name	DOI	Month & Year of Publication	Indexing	Impact factor	Peroid	Verified
1	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
2	International Conferences	ARUN KUMAR D V		3rd International Conference on Sustainable materials, Manufacturing and Renewable Technologies, Cochin						
3	Journal	Dr. Bibin Jose	Enhancement of metallurgical and mechanical properties due to grain refinement in the compressive residual stress developed surface after the laser shock peening process: a review	Canadian Metallurgical Quarterly (Taylor & Francis)	https://doi.org/10.1080/00084433.2023.2235128	July 2023	SCI/SCIE	1.4	In this college	Yes
4	Book Chapters	Dr. Bibin Jose	Augmented Reality in Manufacturing: A Comprehensive Review	Gyanveshan	NA	December 2023	Google Scholar	NA	In this college	Yes
5	Journal	Dr. Bibin Jose	Influence of welding environment on joint characteristics of friction stir lap welded AA7475-PPS polymer hybrid joints	Materials Letters (Elsevier)	https://doi.org/10.1016/j.matlet.2023.134781	October 2023	SCI/SCIE	2.7	Outside this college	Yes

6	Journal	Dr. Bibin Jose	Development of a novel welding technique with reduced heat-input by employing Double-pulsed gas metal arc welding for Aerospace grade 18% Ni Maraging steel	Journal of Manufacturing Science and Engineering (ASME)	https://doi.org/10.1115/1.4055248	February 2023	SCI/SCIE	2.4	Outside this college	Yes
7	Book Chapters	Dr. Bibin Jose	Application of Augmented Reality in Manufacturing	IGI Global	NA	December 2023	Scopus	NA	In this college	Yes
8	Publications	International Journal papers with impact factor 1.5-2	MANOJ KUMAR K	Materials Today Proceedings						
9	International Conferences	MANOJ KUMAR K		International Conference on Communication and Intelligent Systems (2023)						
10	International Conferences	MANOJ KUMAR K		International Conference on Composites: Design, Processing, Manufacturing and Health Monitoring						
11	Publications	International Journal papers with impact factor<1.5	MANOJ KUMAR K	International Journal of Machining and Machinability of Materials						