5.7.1 ACADEMIC RESEARCH

PUBLICATIONS

STUDENT PUBLICATIONS

ACADEMIC YEAR 2023-24 (CAYm1)

Sl No	Name of Faculty	Name of Students	Title of Paper	Publication Details
			NIL	

ACADEMIC YEAR 2022-23 (CAYm2)

Sl No	Name of Faculty	Name of Students	Title of Paper	Publication Details
1	Dr. Dileep J	V Bharath Kumar, Charitha P L, Goalla Likhitha, Harshith Kumar K M	Sun Tracking Solar Panel	International Journal of Advanced Research in Computer and Communication Engineering, ISO 3297:2007 Certified Impact Factor 7.918, Vol. 11, Issue 11, November 2022 DOI: 10.17148/IJARCCE.2022.111110

ACADEMIC YEAR 2021-22 (CAYm3)

Sl No	Name of Faculty	Name of Students	Title of Paper	Publication Details
1	Dr. Manu D K	Pavithra G P, Nallani Revathi, Rakesh K S, G Bharath	DESIGN AND DEVELOPMENT OF SOLAR PANEL TRACKING SYSTEM	i-manager's Journal on Embedded Systems, Vol. 10, No. 1, July - December 2021
2	Dr. Manu D K	Akhilesh B B, Daniel Abraham, Divyashree S, Himashree M S	DESIGN AND IMPLEMENTATION OF SOLAR GRASS CUTTER	i-manager's Journal on Electrical Engineering, Vol. 14, No. 4, April - June 2021
3	Dr. Manu D K	Ganesh P K, Santosh R, Srimannarayana N K, Sriramsrinivasan N K	SOLAR OUTDOOR AIR PURIFIER WITH AIR QUALITY MONITOR	i-Manager's Journal on Communication Engineering & Systems; Vol. 11 Issue 1, p6-12, Jan-Jun2022

FACULTY PUBLICATION IN JOURNALS

ACADEMIC YEAR 2023-24 (CAYm1)

Sl No	Name of FACULTY	Title of Chapter	Publication Details	Year
1	Dr. K Senthil Babu, Dr. Kishore M, Mr. Dileep J	Calibration and Characterization of MQ sensors for E- nose application	International Journal of ZHUZAO/ FOUNDRY, April 2024, Volume -27, Issue-4, ISSN 1001-4977	2024
		Smart Hydroponics	International Journal of ZHUZAO/ FOUNDRY, March 2024, Volume-27, Issue-4, ISSN 1001-4977	2024
		Design and Implementation of Protective Headgear to Reduce Human Casualties	International Journal of advances in Engineering Architecture Science and Technology, September 2023, Volume -1, Issue-6, pp.1-11	2023
2	Dr. Girish V Attimarad	Design of Energy based Dual Level Co-operative Route Protocols in Multichip WSNs	International Journal of Engineering Technology and Management Science (IJETMS), vol No. 8, Jan - Feb 2024, Issn:2581-4621	2024
3	Dr. Kishore M	Real Time Voice Separation: A Comparative study of CONVTASNET and dual Path RNN for Handling Unknown Speaker Scenarios	Journal of Southwest Jiaotong University, Vol, 58, No 2 September (2023), pp. 386-394	2023
4	Mrs. Renuka V Tali	Channel Fusion Filter and Invariant Scattering Network- Based Leukocyte Image Discrimination Framework	International Journal of Intelligent Engineering and Systems Vol.17, No. 1, January 2024, pp.862-876, Indexed by Scopus.	2024
5	Mrs. Manjula B G	Estimation of Potential Outage Risk Evaluation of System using Performance Indices	International Journal of Intelligent Engineering Systems and Applications in Engineering, ISSN:2147-67992, January 2024, 12(13s), 41-49 (Scopus Indexed)	2024

6	Mr. Dileep J	Framework for Multiple Person Identification Using YOLOv8 Detector: A Transfer Learning Approach	International Journal of Electrical and Computer Engineering (IJECE) Vol. 14, No.3, June 2024, pp.2790-2802	2024
7	Mrs. Deepa R Bhangi, Mrs. Swati Sarkar, Mrs. Bhargavi Vijendra Sangam	IoT Based Smart Warehouse Monitoring System	International Journal of Engineering Applied Sciences and Technology. 09. 88-92. 10.33564/IJEAST. 2024.v09i01.012.	2024

ACADEMIC YEAR 2022-23 (CAYm2)

Sl No	Name of Faculty	Title of Chapter	Publication Details	Year
1	Dr. K Senthil Babu, Dr. Kishore M, Mr. Dileep J	Embedded Based Vehicle Theft Detection	International Journal of Current Engineering and Scientific Research, ISSN (PRINT) 2393-8374, (ONLINE):2394-0697, Volume-10, Issue-8,2023	2023
2	Dr. Karthik P	Optimizing the Utilization of Renewable Energy Resources in Smart Grids using Deep Learning	Journal of Data Acquisition and Processing/ 2023,38(1):4269-4281	2023
3		Customized mask region based convolutional neural networks for un-uniformed shape text detection and text recognition	International Journal of Electrical and Computer Engineering (IJECE), Vol. 13, No. 1, February 2023, pp. 413-424, ISSN:2088-8708, DOI:10.11591/ijece.v13il.pp413-424.	2023
4		Autonomous Decision-Making Systems for Utilization of Renewable Energy resources in Smart Grids using Deep Learning	Journal of Data Acquisition and Processing, 2023, 38(3):456-467	2023
5		Sparse and Incomplete Signal Dictionaries for Reconstruction of MR Images	Published in International Electrical and Computer Angering Systems, Vol. 13, No.3, pp. 165-174, 2022. ISSN:1847-7003 (Web of Science).	2022

6		Comparison of Different Sparse Dictionaries for Compressive Sampling	Published in Bulletin of Engineering and Information Science, Vol. 11, No. 05, pp. 2611-2620. October 2022. ISSN:2302-9285(Scopus).	2022
7	Mrs. Renuka V Tali	CLAHE Enhanced Hybrid Feature Descriptions for Classification of Acute Lymphoblastic Leukaemia in Blood Smear Images	International Journal of Biomedical Engineering and Technology 43.4(2023):309-328	2023

ACADEMIC YEAR 2021-22 (CAYm3)

Sl No	Name of Faculty	Title of Chapter	Publication Details	Year
1	Mr. Dileep J	Electronic Smart Jacket for the navigation of Deaf-blind people	International Journal of Advanced Research in Computer and Communication Engineering, Impact Factor: 7.39, Volume 11, Issue 6, June 2022	2022
2	Mrs. Jayashree G R, Mrs. Bhargavi Vijendra Sangam, Dr. Girish Attimarad	Interpretation of Sign Language for Physically Challenged Using Machine Learning	International Journal of Innovative Science and Research Technology, Vol 7, Issue 7, July 2022	2022
3	Mrs. Jayashree G R, Mrs. Bhargavi Vijendra Sangam, Dr. Girish Attimarad	Food Monitoring System Using IoT	International Journal of Innovative Science and Research Technology, vol. 7, no. 7, 2022.	2022
4	Dr. Dushyanth N D	Performance Evaluation of Deep Learning Models in Detection of Different Types of Arrhythmias Using Photo Plethysmography Signals	International Journal of Information Technology, vol. 13, no. 6, pp. 2209–2214, Dec. 2021, doi: 10.1007/s41870-021-00795-8.	2021
		Stability Control in Polygon-Based Topology Formation and Information Gathering in Satellite Based Wireless Sensor Network	Wireless Personal Communications, vol. 120, no. 4, pp. 2491–2518, Oct. 2021, doi: 10.1007/s11277-021-08471-7.	2021

CONFERENCE PUBLICATIONS

ACADEMIC YEAR 2023-24 (CAYm1)

Sl No	Name of Faculty	Title of Paper	Conference Details, Publication Details
1	Mr. Dileep J	Detection and Tracking of Multiple Faces in Video using Modified KLT Algorithm	IEEE International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management at RVITM. Bangalore on 28th and 29th November 2023.
2	Dr. Karthik P	Global Positioning System-based Wildlife Animal Tracking System	4th International Conference on Intelligent Engineering and Management (ICIEM), London, United Kingdom, 2023, pp. 1-4, doi: 10.1109/ICIEM59379.2023.10167080.

ACADEMIC YEAR 2022-23 (CAYm2)

Sl No	Name of Faculty	Title of Paper	Conference Details, Publication Details
1	Dr. Girish V Attimarad	Bank Locker Security System with Two Way authentication and Safety Measures	IETE Sponsored 6th National Conference on Emerging Trends in Engineering, Science and Technology (NCETST-6), May 2023, pp 135-137

ACADEMIC YEAR 2021-22 (CAYm3)

Sl No	Name of Faculty	Title of Paper	Conference Details, Publication Details
1	Dr Renuka V Tali	Acute-lymphoblastic leukaemia detection through deep transfer learning approach of neural network	First Doctoral Symposium on Natural Computing Research: DSNCR 2020 (pp. 163-170). Springer Singapore.