




SETHU INSTITUTE OF TECHNOLOGY

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Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



Department of CSE (IoT)					
Name	Dr. J. Marimuthu				
Date of Birth	14.06.1981				
Unique ID	1-43380198375				
Educational Qualifications	B.E., M.Tech., Ph.D				
Designation	Assistant Professor & HoD i/c				
Email ID	jmarimuthu@sethu.ac.in				
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Experience	Industry	Teaching	Others	Total	
	-	18 Y 2M	2Y 0M	20 Y 2M	
Date of Joining the Institution	02.01.2023				
Area of Specialization	Image and Video Processing				
Courses taught	Advanced Operating Systems, Computer Architecture, Theory of Computation				
Research Focus	Deep learning based video object detection and tracking				
Subject Competency	Data Mining, Big Data, Artificial Intelligence & Machine Learning				
No. of papers published	National Journals	International Journals		Conferences	
	-	04		06	
PG Specialization	Computer & Information Technology				
Ph.D. Specialization	Computer & Information Technology				
Patents (Filed & Granted)	2				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1(Machine Learning and its Applications, Aasan Publications , ISBN : 978-81-985920-0-2, 2025)				



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Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E.,	Computer Science and Engineering	Manonmaniam Sundaranar University	2002
PG	M.Tech	Computer and Information Technology	Manonmaniam Sundaranar University	2011
Ph.D.	-	Computer and Information Technology	Manonmaniam Sundaranar University	2025

Details of Journal Publication:

Jeyapandi Marimuthu and Vanniappan Balamurugan, “Time Stamp Based Sampled Subspace Clustering for Video Key Frame Extraction”, European Chemical Bulletin, International Journal of Intelligent Systems and Applications in Engineering, Vol. 11, No. 6, pp. 1042-1046, 2022

Jeyapandi Marimuthu and Vanniappan Balamurugan, “A Novel Cluster Based Video Object Segmentation for Key Frame Extraction”, International Journal of Intelligent Systems and Applications in Engineering, Vol. 12, No. 17s, pp. 733-743, 2024

Details of Conference attended:

Jeyapandi Marimuthu, Vanniappan Balamurugan and Sankaran Ramesh Kumar, “Row Echelon based Spectral Clustering Framework for Key Frame Extraction”, 2021 5th International Conference on Intelligent Computing and Control Systems (ICICCS), IEEE, 147-152, 2021

Vanniappan Balamurugan Jeyapandi Marimuthu, “A Survey on Statistical Approaches based Key Frame Extraction Techniques”, International Conference on Recent Trends in Stochastic Modeling and Its Applications (ICRTSMA-2022), 15-21, 2022

Jeyapandi Marimuthu M. Ahila Maheswari and Dr. S. Rajesh, “Multi Object Detection System for Video Surveillance Using an Improved YoloV5 Model”, International Conference on Recent Applications of Artificial Intelligence in Energy, Electronics, and Computer Engineering, 7-13, 2024

Details of Patents Published:

1. Dr Vidhyashree S Dr. Jeyapandi Marimuthu, Dr Javid Ahmad Sheikh “Method and System for Predictive Analytics Using Artificial Intelligence”, 202541013262
2. Dr. Jeyapandi Marimuthu, Dr. Rajesh Selvaraj, Mrs. Ahila Maheswari “Fast Machine Learning Model Prototyping using an Automated Programming Platform, 202541037652