Department of BioMedical Engineering

Name	*Mrs.G.Karthigai Priya*			
Date of Birth	10.07.1991			
Unique ID	*1-30206683882*			
Educational Qualifications	*M.E*			
Designation	ASSISTANT PROFESSOR			
Email ID	bkarthiga.sit@sethu.ac.in			
Alternate Email ID	bkarthiga.vlsi@gmail.com			
Experience	Industry	Teaching	Others	Total
		9 Year 2 Months		9 Year 2 Months
Date of Joining the Institution	18.06.2024			
Area of Specialization	VLSI Design			
Courses taught	Medical Image Processing, Artificial Intelligence and Machine Learning Techniques, Digital Communication, Communication Theory,.Wireless Communication			
Research Focus	VLSI based FPGA design , Medical Bio-Imaging			
Research guidance (Number of Scholars)	Nil			
Subject Competency	***VLSI DESIGN,***			
No. of papers published	National Journals	International Journals	Conferences	
		2	***4***	
PG Specialization	VLSI DESIGN			
Ph.D. Specialization	VLSI DESIGN			
Projects Carried out	***6***			
Patents (Filed & Granted)	***2***			
Technology Transfer				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil			

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.TECH	ECE	KALASALINGAM UNIVERSITY	2012
PG	M.E	VLSI DESIGN	ANNA UNIVERSITY	2014
Ph.D.	PhD	VLSI DESIGN	ANNA UNIVERSITY	ONGOING

Details of Journal Publication:

Category	Paper Title	Journal Name	Publisher Name	Date of Publishing	Issue No	Volume No	Author Position
Peer-Reviewed, Open Access, Fully Refereed International Journal	CYBERSECURITY 9CHALLENGES IN E-COMMERCE: IMPLICATIONS FOR CONSUMER CONFIDENCE	International Journal of Progressive Research In Engineering Management	IJPREMS	04-10-2025	04	685-690	05
Peer-Reviewed, Open Access, Fully Refereed International Journal	THE IMPACT OF AI AND ML TECHNOLOGIES ON CUSTOMER SATISFACTION IN E-COMMERCE AND RETAILING PLATFORMS	International Research Journal of Modernization in Engineering Technology and Science	IJPREMS	05-05-2025	07	4734	05

Details of Conference attended:

level	Category	Title of the Conference	Paper Title	Date of Conference	Author Position
International	SCI	International conference on Innovation in computing and communication'25(ICICC'25)	Inf Net and optimized Google Net forLung Infection analysis from CT images with FPGA implementation	03-05-2025	1st
International	SCIE	3rd international conference on Applications of AI in smart Technologies and manufacturing	IOT Based Multi-Node Health Monitoring System	03-07-2025	1st
International	SCI	IEEE India Council	VLSI Implementation of	20.07.2024	1st

		International subsection conference (INDISCON)	Optimized CNN based COVID-19 Lung Infection Segmentation and Classification from CT Image		
International	SCIE	3rd international conference on Application of AI in smartTechnologies and manufacturing	High Efficiency Three Phase Interleaved Buck Boost Converter For Fast Charging Of Ev	03-08-2025	1st

Details of Book Chapter and Books Published:Nil

Details of Patents Filed and Granted:

Level	Application No	Title of the Patent	Status	Date of Status
International	TEMP/E-1/111021/2024-CHE	Solar-Powered Drone Docking and Charging Station for Autonomous Aerial Surveillance Operations	Filed	02-12-2024
International	TEMP/E-1/73089/2025-CHE	“Multi-Port Smart Charging Station with Adaptive Power Distribution Linked to Smart Grid	Filed	09-07-2025

Expert Lecture Delivered:Nil

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