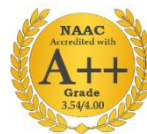





**SETHU INSTITUTE OF TECHNOLOGY**  
(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)  
Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



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 CHALLENGES 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 for Lung 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**