

<u>Department of Biomedical Engineering</u>				
Name	VASANTHARANI.R			
Date of Birth	02.03.1990			
Unique ID	1-7415594956			
Educational Qualifications	M.E			
Designation	ASSISTANT PROFESSOR			
Email ID	vasantharani@sethu.ac.in			
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Experience	Industry	Teaching	Others	Total
		8 Yrs		8 Yrs
Date of Joining the Institution	17.06.2019			
Area of Specialization	Bio-Signal and Image Processing			
Courses taught	Pathology and Microbiology Biomechanics Biochemistry Biomaterials Hospital Management Medical Informatics, Forensic Science			
Research Focus	Signal Processing			
Research guidance (Number of Scholars)				
Subject Competency	Biosignal Image Processing			
No. of papers published	National Journals	International Journals	Conferences	
		2	2	
PG Specialization	Medical Electronics			
Ph.D. Specialization				
Projects Carried out				
Patents (Filed & Granted)	Filed			
Technology Transfer				
No. of Books published with details (Name of the book, Publisher with ISBN,				



Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E.	ECE	Anna University	2012
PG	M.E.	Medical Electronics	Anna University	2016

Details of Journal Publication:

1. **Vasantharani.R**, S. Shenbaga Devi, D. Sunderlin Shibu, “Epileptic Seizure Detection Using Scalp EEG”, *High Technology Letters*, Volume 30, Issue 11, Nov 2024, ISSN NO : 1006-6748.
2. **D. Sunderlin Shibu**, Remcy A, **Vasantharani.R**, “IOT BASED TELE – SPIROMETER FOR PULMONARY DISEASE DIAGNOSIS”, *Bulletin For Technology And History Journal* , Volume 25, Issue 2, February 2025, ISSN NO : 0391-6715.

Details of Conference attended:

- a. 1ST International Conference on Innovative Approaches in Engineering & Technology (ICIAET - 24) on the 5th and 6th April, 2024.
- b. Research Conclave 25- Detection of sleep disorder on EEG, 16,17 May 2025

Details of Book Chapter and Books Published:**Details of Patents Filed and Granted:**

S. No.	Title of the Patent	Reference Number / Date	Filed / Published / Granted	Name of the Faculty
1.	AI-Driven Diagnostic tool for Automated Analysis of Medical Imaging	Application Number 202441096182A Dated 05.12.2024	Published	Dr.N. Mahalakshmi N Dr.N. Kins Burk Sunil Dr.D.Sunderlin Shibu Ms.R.Vasantharani

S. No.	Title of the Patent	Reference Number / Date	Filed / Published / Granted	Name of the Faculty
				Mr.B. Muthu Pandian Mrs.G. Vijaya Lakshmi Mr.S.Malaisamy Mrs.Mary James

Expert Lecture Delivered:

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