SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)

Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.

Department of ELECTRICAL & ELECTRONICS ENGINEERING

Name	*Dr.V.VAISHNAVI*	
Date of Birth	15.07.1987	
Unique ID	*1-3582631923*	
Educational Qualifications	*PhD*	
Designation	ASSOCIATE PROFESSOR	
Email ID	vaishnavi.vaishb4u@gmail.com	
Alternate Email ID	vaishnavivelu24@gmail.com	
Experience	Teaching: 11Years 11 months	Total: 11Years 11 months
Date of Joining the Institution	03-01-2018	
Area of Specialization	***Biomedical Signal Processing***	
Courses taught	Microprocessor & Microcontroller Programming, IoT for Electrical Automation, Digital Electronic Circuits, Basics of Electrical & Electronics Engineering, Electrical Circuits, Smart grid, Electromagnetic Fields	
Research Focus	Deep learning, Machine Learning, Signal Processing	
Subject Competency	Control System, Circuit Theory	

No. of papers published	National Journals	International Journals	Conferences
	-	***2***	***5***

PG Specialization	APPLIED ELECTRONICS
Ph.D. Specialization	Information and Communication Engineering
Projects Carried out	***UG-8,PG-3***

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E.,	ELECTRICAL AND ELECTRONICS ENGINEERING	ANNA UNIVERSITY	2008
PG	M.E.,	APPLIED ELECTRONICS	ANNA UNIVERSITY	2012
Ph.D.	Ph.D.,	Information and Communication Engineering	ANNA UNIVERSITY	2023

Details of Journal Publication:

- "Neonatal cry signal prediction and classification via dense convolution neural network"
  DOI: 10.3233/JIFS-212473
  Journal: Journal of Intelligent & Fuzzy Systems, vol. 42, no. 6, pp. 6103-6116, 2022.
- "Premature Infant Cry Classification via Elephant Herding Optimized Convolutional Gated Recurrent Neural Network"
  DOI: https://doi.org/10.1007/s00034-024-02764-5
  Journal: Circuits, Systems, and Signal Processing

Details of Conference attended:

1. Vaishnavi.V & Suveetha Dhanaselvam 2019, 'An Automatic Approach to Extract Features from the Infant's Cry Signals', Published in ELSEVIER-SSRN, in ICRTCCNT'19.

2. Vaishnavi. V& Suveetha Dhanaselvam 2020, 'A Comparative Study on Deep learning and Machine learning, published in International Web Conference on Innovations in Communication and Computing, ICICC '20.

3. Vaishnavi.V & Suveetha Dhanaselvam 2018, **"**A Survey on Features of Sound Signals" in ICIEIA'18 April 2018, KLN College of Engineering & Technology.

4. Vaishnavi.V& S.Suja Priyadharsini 2012, 'Analysis of the polysomnographic recordings for detection of EEG arousals, published in the International Conference on Informatics, Computics and Networktics , ICICN'12March 2012, VINS College Campus.

5. Vaishnavi.V& S.Suja Priyadharsini 2012, "Automatic technique for Sleep Apnea colligated arousal detection using sleep recordings, published in the National Conference on Microwave & Optical Communication (NCMOC'12).ACCET Karaikudi.