SETHU INSTITUTE OF TECHNOLOGY

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

Pulloor, Kariapatti –Taluk. Virudhunagar Dist - 626115.

Department of Electronics and Communication Engineering

Name	Mrs.S.Ramya
Date of Birth	24.08.1989
Unique ID	*1-4713481054*
Educational Qualifications	Assistant Professor/ECE
Designation	Assistant Professor / ECE
Email ID	ramyas@sethu.ac.in
Alternate Email ID	ramyasamdra@gmail.com

Experience	Industry	Teaching	Others	Total
	--	6 Years 10 Months	--	6 Years 10 Months

Date of Joining the Institution	29.06.2022
Area of Specialization	***Embedded Systems and Technologies***
Courses taught	1. Signals and Systems 2. Electromagnetic Fields and Transmission Lines 3. Wireless Communication 4. Microprocessors and Microcontrollers 5. UHV II 6. Global Positioning System 7. Data Communication and Networking Protocols
Research Focus	***SIGNAL AND IMAGE PROCESSING***
Research guidance (Number of Scholars)	--
Subject Competency	1. Electromagnetic Fields and Transmission Lines 2. Microprocessors and Microcontrollers 3. UHV II 4. Image Processing

No. of papers published	National Journals	International Journals	Conferences
	13	***-***	***3***

PG Specialization	Embedded Systems and Technologies
Ph.D. Specialization	--
Projects Carried out	1. Lactoscan – Rapid Detection of Melamine in Dairy Products 2. Food Bacteria (EDII – IVP)

	3. Aqua Air- Air to Water (MSME)
Patents (Filed & Granted)	***1 filed***
Technology Transfer	
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1 Name: Remote Sensing and Information Systems ISBN: 978-93-6163-680-6 Year: May, 2025

RESEARCH PROJECTS				
S. No.	**Title of Project**	**Source of Funds**	**Amount**	**Duration**
1	Lactoscan – Rapid Detection of Melamine in Dairy Products	EDII-IVP (VOUCHER_A)	Rs. 2,50,000	2024-2026
2	Food Bacteria	EDII-IVP (VOUCHER_A)	Rs. 2,50,000	2023 - 2025
3	Aqua Air- Air to Water	MSME 3.0	7.3 Lakhs	2024 to 2026

Academic Credentials

Level	**Degree**	**Specialization**	**University**	**Year of Completion**
UG	B.E	ECE	Anna University	2010
PG	M.E	Embedded Systems and Technologies	Anna University	2012
Ph.D.	–	–	–	–

Details of Journal Publication:

1. **S. Ramya**, M. Meenaakumari, K. Subbulakshmi "Extracting the video content by utilizing segmentation kits" International Journal of Engineering and Advanced Technology, 8/6S2, 419-422, 2019.
2. **S.Ramya**, M.Meenaakumari, R.Hema " Fault diagnosis in mixed-mode circuit using artificial neural network method" International Journal of Engineering and Advanced Technology, 8/6S2, 415-418, 2019.

3. Hemalatha, Sowmiya Manoj, **S.Ramya** " Energy efficient semi-automatic car parking system using Rasperry-Pi" International Journal of Engineering and Advanced Technology, 8/6S2, 403-405, 2019.

4. Jasmin.M, **Ramya.S**, Hemalatha.B "Design of multi robots based on single master commands" International Journal of Engineering and Advanced Technology, 8/6S2, 191-194, 2019.

5. S.Philomina, **S. Ramya**, S. Balaji " Automatic damaged number plate recognition system in image processing" International Journal of Engineering and Advanced Technology, 8/6S2, 287-291, 2019.

6. Meenaakumari.M, Balaji.S, **Ramya.S** "Smart house model using Raspbian 2 technology" International Journal of Engineering and Advanced Technology, 8/6S2, 372-376, 2019

7. K. Subbulakshmi, **S. Ramya**, M. Jasmine "Red tacton technology" International Journal of Engineering and Advanced Technology, 8/6S2, 305-308, 2019.

8. Meenaakumari.M, **S.Ramya**, S,Balaji " Underwater image enhancement and object detection using edge preserving and multiscale contextual neural network" International Journal of Engineering and Advanced Technology, 8/6S2, 377-383, 2019.

9. Mohanraj, Meenaa Kumari.M, **Ramya.S**. "Wireless UGV for target tracking and obstacle detection using live surveillance" International Journal of Engineering and Advanced Technology, 8/6S2, 384-386, 2019.

10. Mohanraj.R, **Ramya**, Hema "MRI brain lump based on consistency feature and classification using neural network" International Journal of Engineering and Advanced Technology, 8/6S2, 393- 396, 2019.

11. **S. Ramya**, Balaji S, John Paul Praveen A, M. Meenakumari "Fault Diagnosis in Mixed-Mode Circuit by Using Artificial Neural Network Approach" Advancement in Engineering, Science & Technology, pp 469-477, 2019.

12. M. Meenaakumari, Balaji.S ,John Paul Praveen.A ,**S. Ramya** "Micro Electro Mechanical Systems Tilt Sensor Based Convey Expression Identification " Advancement in Engineering, Science & Technology ,pp 491-502, 2019.

13. M. Meenakumari, Balaji S, John Paul Praveen A, **S. Ramya** " Underwater Image Enhancement and Object Detection Using Edge Preserving and Multiscale Contextual Neural Network" Advancement in Engineering, Science & Technology, pp 348-359, 2019.

Details of Conference attended:

1. **S.Ramya**, K Solai brindha "SCREENING METHOD FOR EARLY DETECTION OF MASTITIS IN CATTLE", ICRTICE 2K24- March 27 & 28 2024.
2. S.Sruthi, A.Ramya, R.Yasmin Begum,**S.Ramya**, "A NON-INVASIVE DEVICE FOR CONTINUOUS GLUCOSE MONITORING", ICRTICE 2K24- March 27 & 28 2024.
3. **S Ramya**, G Dhaarani, T K B Iswarya, P Baladharshini, "ECO-FRIENDLY REMOTE CONTROL", ETICT2K25,Sethu Institute of Technology, April 4, 2025.

4. **S Ramya**, S.Kaarthik, S.Mohamed Noufal, R.Mohamed Sherif, "AFFORDABLE ELECTRONIC SENSOR-BASED MILK ADULTERATION DETECTION SYSTEM", ETICT2K25,Sethu Institute of Technology, April 4, 2025.
5. **Mrs.S.Ramya**, Dr.R.Tamilselvi, Dr.M.Parisa Beham, M.B.Madhesh Babu, B.Praveen, K.Krishanmaharaja, "VGG – BASED DEEP LEARNING MODEL FOR AUTISM SPECTRUM DISORDER CLASSIFICATION", ETICT2K25,Sethu Institute of Technology, April 4, 2025.

Details of Book Chapter and Books Published:

M.Parisa Beham ,R.Tamilselvi,**S.Ramya**,K.Shanmugapriya,J.Judith "Remote Sensing and Information System", Shanlax Publications,Vasantha Nagar,Madurai 2025, ISBN: 978-93-61-63-680-6.

Details of Patents Filed and Granted: *Nil*

Expert Lecture Delivered: *Nil*