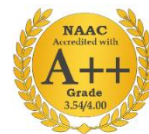




# SETHU INSTITUTE OF TECHNOLOGY

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

Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



Department of ECE				
Name	M.MAHESWARI			
Date of Birth	16.05.1988			
Unique ID	1-3569920353			
Educational Qualifications	M.E.,(PH.D)			
Designation	ASSISTANT PROFESSOR			
Email ID	maheswari@sethu.ac.in			
Alternate Email ID	maheswari.ece27@gmail.com			
Experience	Industry	Teaching	Others	Total
		8 Years		8 Years
Date of Joining the Institution	17.04.2023			
Area of Specialization	Antenna, IOT			
Courses taught	1. IoT and its Applications 2. Electronic Circuits 3. Image Processing and Machine Learning 4. Cyber Security			
Research Focus	Antenna Design			
Subject Competency	Antenna, IOT			
No. of papers published	National Journals	International Journals	Conferences	
	1	Nil	10	
PG Specialization	Electronics and Communication Engineering			
Ph.D. Specialization	Antenna Design			
Patents (Filed & Granted)	Grant : 01 Published : 01			
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	INTERNET OF THINGS & ITS APPLICATIONS Prime International Publication, 978-93-6010-952-3,2024			



Tel: 04566304600

Web: www.sethu.ac.in

Email: sit@sethu.ac.in

## Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	ECE	ANNA UNIVERSITY, CHENNAI	2012
PG	M.E	ECE	ANNA UNIVERSITY, CHENNAI	2014
Ph.D.	Ph.D	ECE	ANNA UNIVERSITY, CHENNAI	-

### Details of Journal Publication:

1. International Journal of Innovative Research in Computer and Communication Engineering Title "Advanced Underground Drainage Monitoring and Automatic Rescue System Using IoT" published on May 2025

### Details of Conference attended:

1. J.Rajalakshmi, M.Maheswari, S.Siva Ranjani.and T.Muthuraja "An AI Based Leaf Disease Prediction Using Deep CNN And Automatic Spray of Fertilizer", SWNMPMB-2023,Madurai Kamaraj University 2023.
2. M.Maheswari and J.Rajalakshmi "IOT with 6G" National Conference On Paradigm Shift In Embedded, Communication, Aritificial Intelligence & Robotics PECAR-2K23, Jai Sriram Engineering College,Tirupur,2023
3. Muthraja T, Venkateskanna T, J.Rajalakshmi, and M.Maheswari "Automatic waste segregation based on Arduino" National Conference On Paradigm Shift In Embedded, Communication, Aritificial Intelligence & Robotics PECAR-2K23, Jai Sriram Engineering College,Tirupur,2023
4. Brindha k, Akshaya K, Harini R, and M.Maheswari "TRIPLE OVERT-LEAF SHAPED UWB MIMO ANTENNA" ICRTICE 2024, Sethu Institute of Technology,2024.
5. J.Rajalakshmi, M.Maheswari, S.Siva Ranjani and Arun A "UNLOCKING HEALTH AND WELTHNESS OF MEDICINAL MUSHROOM AND OPTIMISATION APPROACH", International Conference On Recent Trends On Fungal Applications In Agriculture,Industry And Biomedical Process Madurai Kamaraj University 2024.
6. Mathalairaj J, S.Siva Arnjani, J.Rajalakshmi,and M.Maheswari "Block chain and Deep Learning Based Secure Communication using SAE-LSTM &Salp Swarm Optimizer for Multivariate Industrial IoT-oriented Infrastructure" 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), IEEE xplore 2024.
7. Dr.J.Rajalakshmi,Mrs.M.Maheswari,Mr.S U Aishwar Raja ,S.Mohamed Newsath" CACTUS-SHAPED FREQUENCY RECONFIGURABLE ANTENNA FOR SUB 10 GHZ WIRELESS APPLICATIONS" National Conference on—Emerging Trends in Information and Communication Technologies ETICT 2K25 April 4th 2025.
8. Mrs.K.Krishnaveni , Mrs.M.Maheswari , Dr.S.Siva Ranjani "ENHANCING LEARNER-CENTRIC APPROACHES IN HIGHER EDUCATIONAL INSTITUTIONS: THE ROLE AND IMPACT OF GENAI ON INDIA'S VISION FOR 'VIKSIT BHARAT 2047'" 17th National IQACConference(I-Con) Roleof Higher Educational Institutions in ViksitBharat2047: Strategies, Opportunities and Challenges, Kristu Jayanti College,2025

9. Dr.J.Rajalakshmi, M.Maheswari “ Smart Air Quality Monitoring and Purification System with Odor Control” International Conference on Recent Trends in Technology, Nadar Saraswathi College of Engineering and Technology, May 2025

10. M.Maheswari, Dr.S.Siva Ranjani, “A-VMD and DRASD Based Efficient Spectrum Sensing Framework for 5G Cognitive MIMO Networks” 16TH ICCCNT 2025 IEEE CONFERENCE - IIT Indore, June 2025.

**Books Published:**

1. INTERNET OF THINGS & ITS APPLICATIONS Prime International Publication, 978-93-6010-952-3, 2024

**Details of Patents Filed and Granted:**

1. Granted - MINIATURISED HIGH GAIN ANTENNA FOR IOT DEVICES, 409954-001, May 2024
2. Published - ANTENNA DIVERSITY TECHNIQUES FOR IMPROVED RELIABILITY, 202441084774 A, Nov 2024

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