




SETHU INSTITUTE OF TECHNOLOGY

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Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



Department of ECE					
Name	P.Murugeswari				
Date of Birth	08.05.1989				
Unique ID	1-228434635				
Educational Qualifications	M.E(Ph.D)				
Designation	Assistant Professor				
Email ID	murugeswariece@sethu.ac.in				
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Experience	Industry	Teaching	Others	Total	
	-	11 years 6 months	-	11.6 years	
Date of Joining the Institution	06.01.2014				
Area of Specialization	IoT, Smart Grid Energy Management				
Courses taught	Digital Electronics, Signals and Systems, Analog and Digital Communication system ,Digital Signal Processing, Electromagnetic Fields, Circuit Theory, Optical communication				
Research Focus	IoT,Smart Grid Energy Management				
Subject Competency	Signals and Systems , Analog and Digital Communication system				
No. of papers published	National Journals		International Journals		Conferences
	-		7		9
PG Specialization	M.E(Communication System)				
Ph.D. Specialization	IoT, Smart Grid Energy Management				
Patents (Filed & Granted)	1				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1				



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Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	Ph.D	Information and communication Engineering	Anna University, Chennai	Pursuing (Part Time)
PG	M.E	Communication Systems	Anna University, Chennai	2013
Ph.D.	B.E	Electronics and Communication Engineering	Anna University, Chennai	2010

Details of Journal Publication:

1. Murugeswari P and Devika R, "Classification of Energy use Pattern and Multi Objective Optimal Scheduling of Flexible Loads in Household", International Journal of Innovative Research in Science, Engineering and Technology, Vol.14, Issue 5, pp. 11824, 2025.
2. P Murugeswari, S Selvaperumal, S Nagalakshmi, "Design analysis of hybrid solar-wind renewable energy systems using water strider optimization", Physica Scripta, Vol.99, Issue 3, PP 035026, 2024.
3. Murugeswari P, Sheikh Dawood M and Devika R, "Residential Energy Management System Using IoT", Malaysian Multidisciplinary Journal, Vol.1, Issue 1, PP 43-54, 2022.
4. P. Murugeswari, S. Nagalakshmi and P.S. Sharan Shree, "Investigation on communication Technologies and Networking Infrastructure for Smart Grid Applications", Asian Journal of Applied Science and Technology, Vol.3, Issue 1, PP 205-214, 2019.
5. A. Yasodai, V. Punitha, P.S. Sharanshree and P. Murugeswari, "Enhancement of solar panel Lifetime and efficiency with modified cooling Techniques", IOSR Journal of Computer Engineering, Vol.2, Issue 2, PP 17-23, 2018.
6. P. Murugeswari, S. Ruth Karunya and S. Janardhana Prabhu, "Performance Evaluation of TFH-PPM with UWB channel using LDPC Code", International Journal of Advanced and Innovative Research, Vol.4, Issue 5, PP 184-190, 2015, ISSN No. 2278-7844.
7. P. Murugeswari, S. Janardhana Prabhu and D. Prabha, "Performance Evaluation of TH-PPM with UWB channel using LDPC code", International Journal of Scientific and Engineering Research, Vol.4, Issue 4, PP 267-271, 2013, ISSN No. 2229-5518

Details of Conference attended:

1. P. Murugeswari, "Plant Disease Detection Using Deep Learning Techniques", International conference on Emerging Trends in Information and Communication Technologies, 2025, Sethu Institute of Technology, Kariapatti
2. P. Murugeswari, "Integration of Lora-Enabled Iot Child Safety Tracking System For Real-Time Monitoring And Alerting", International conference on Emerging Trends in Information and Communication Technologies, 2025, Sethu Institute of Technology, Kariapatti

3. P.Murugeswari, "NEXTGEN IOT PLUG PRO", International conference on Emerging Trends in Information and Communication Technologies,2025,Sethu Institute of Technology, Kariapatti
4. P.Murugeswari, "Counterfeit Prevention of IoT Devices Using Blockchain", International conference on Emerging Trends in Information and Communication Technologies, 2023,Sethu Institute of Technology, Kariapatti
5. P.Murugeswari, "Design And Implementation of Intelligent Controller For Prevention Of Accident Using VANET", International conference on Emerging Trends in Information and Communication Technologies,2023,Sethu Institute of Technology, Kariapatti
6. P.Murugeswari, "Design And Implementation of Intelligent Controller For Prevention Of Accident Using VANET", International conference on Emerging Trends in Information and Communication Technologies, PP 92-98,2023,Sethu Institute of Technology, Kariapatti
7. K.Thamarai Selvam, S.Uthaya Prakash, T.Sathees Kumar and P.Murugeswari." Implementation of Smart Energy Management System Using Internet of Things", 7 th National Conference on Hi-Tech trends in Engineering Computational Technologies,pp.283-289,Sethu Institute of Technology, March 22,2019.
8. M.Abdul Khadir Ameen and P.Murugeswari, "Wireless driving and halting control with traffic detection", International conference on Emerging Trends in Information and Communication Technologies, PP 92-98,2017,Sethu Institute of Technology, Kariapatti.
9. P.Murugeswari and D.Janardhana Prabhu, "BER performance of LDPC code with TFH-PPM over UWB channel", National Conference on Recent Advancements in Electronics and Communication, PP 81,2013,Sri Vidya College of Engineering and Technology, Virudhunagar.

Details of Book Chapter and Books Published:

1. R.Rajsshri, P.Murugeswari and M.Sheik Dawood,"Artificial Intelligence:Theoretical Foundations & Applications",Research Crovers Hub,ISBN No.978-81-986263-1-8,2025.

Details of Patents Filed and Granted:

1. Patent titled "Modular IoT based sensor hub for real time Enviornmental Monitoring", granted on 26-11-2024

Expert Lecture Delivered:

1. Delivered Guest lecture titled "Multistage,differential amplifier and their applications", on 29.11.2024 at Syed Ammal Engineering College, Ramanathapuram