



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	Ms. J. Judith			
Date of Birth	15/07/1997			
Unique ID	1-9444725822			
Educational Qualifications	M.E (Communication Systems)			
Designation	Assistant Professor/ECE			
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Experience	Industry	Teaching	Others	Total
	--	3 Years	--	3 Years
Date of Joining the Institution	29.06.2022			
Area of Specialization	Communication Systems			
Courses taught	1. Data Communication and Networking Protocols 2. Wireless Communication 3. UHV II 4. Global Positioning System 5. Smart Sensor Networks 6. Internet of things and Applications 7. Electromagnetic Theory & Transmission Lines			
Research Focus	Signal And Image Processing			
Research guidance (Number of Scholars)	--			
Subject Competency	1. Data Communication and Networking Protocol 2. Wireless Communication			
No. of papers published	National Journals	International Journals	Conferences	
	5	--	5	
PG Specialization	Communication Systems			
Ph.D. Specialization	--			
Projects Carried out	1. MSME-AQUA AIR 2. EDII- FOOD BACTERIA DETECTOR 3. EDII- LUNG CARE			
Patents (Filed & Granted)	1- Filed 2- Published			
Technology Transfer	--			
No. of Books published with details (Name of the	Name: Remote Sensing and Information Systems ISBN: 978-93-6163-680-6			



<i>book, Publisher with ISBN, year of publication, etc.)</i>	Year: May, 2025
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Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E.,	Electronics and communication engineering	Anna University	2018
PG	M.E.,	Communication systems	Anna University	2022
Ph.D	Ph.D	-	-	-

Details of Journal Publication:

1. Ms.A.SabahAfroze, Dr.R.Tamilselvi, Dr.M.ParisaBeham, Ms.J.Judith, Ms.S.SathiyaPandiya Lakshmi, “An Machine Learning Based approach for detecting the osteoarthritis using thermal images”, Journal of Innovative Image Processing, Volume 5, Issue 2, June 2023.
2. Ms.J.Judith, K.Rahul Raj, A. Prawin and T. G.JothiVenkatajalapathi, "Snake optimization technique for spectrum Handoff in cluster based cognitive radio network", Journal of soft computing paradigm, Volume 5, Issue 2, June 2023.

Details of Conference attended:

1. Ms.A.SabahAfroze, Dr.R.Tamilselvi, Dr.M.ParisaBeham, Ms.J.Judith, Ms.S.SathiyaPandiya Lakshmi, “An Machine Learning Based approach for detecting the osteoarthritis using thermal images”, ETICT2K23,Sethu Institute of Technology, April 5-6, 2023.
2. Ms.J.Judith, K.Rahul Raj, A. Prawin and T. G.JothiVenkatajalapathi, "Snake optimization technique for spectrum Handoff in cluster based cognitive radio network", ETICT2K23,Sethu Institute of Technology, April 5-6, 2023.
3. Ms.J.Judith, "An improved VHO Decision algorithm in Heterogeneous Networks", ICETSET2K23,FMCET, June 28, 2023.
4. Ms.A.SabahAfroze, Dr.R.Tamilselvi, Dr.M.ParisaBeham, Ms.J.Judith, Ms.S.Sathiya Pandiya Lakshmi, Ms. Bharkavi Sandhiya, “Assessment of Risk of osteoarthritis in Knee using thermal images”, ICISAS 2025, Curtin University, Dubai Feb 22-23, 2025.
5. Ms.J.Judith, Dr.R.Tamilselvi, Dr.M.ParisaBeham, Ms.J.Judith, Ms.S.Sathiya Pandiya Lakshmi, Alavikunhu Panthakkan, Saeed Al Mansoori , and Hussain Al Ahmad

“Remote Sensing Based Crop Health Classification Using NDVI and Fully Connected Neural Networks”, Geo-Spatial Week (GSW 2025), United Arab Emirates, 2025.

Details of Book Chapter and Books Published:

Name: Remote Sensing and Information Systems

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Details of Patents Filed and Granted:

PATENTS APPLIED			
Inventors	Patent Title	Patent No.	Year
Mrs. A. Sabah Afroze, Dr. R. Tamilselvi, Dr. M. Parisa Beham and Ms. J. Judith	Multi-Level Sanitary Napkin Incinerator	434490-001	2024
Dr. R. Tamilselvi, Dr. M. Parisa Beham and Ms. J. Judith	Smart Lungcare: A Non-Invasive Asthma Monitoring And Management System	202441101866	2025
Dr. R. Tamilselvi, Dr. M. Parisa Beham and Ms. J. Judith, Ms. Gayathri	Neo Care Surveil Device- Work For The Better Health Of Your Baby	202441099353	2025

Expert Lecture Delivered: --