




# SETHU INSTITUTE OF TECHNOLOGY

An Autonomous Institution

Pulloor, Kariapatti – 626 115, Virudhunagar



## Department of Electronics and Communication Engineering

<b>Name</b>	Gayathri M			
<b>Date Of Birth</b>	04/06/2000			
<b>Unique Id</b>	1-44720769923			
<b>Educational qualification</b>	B.E(ECE),M.E(COS)			
<b>Designation</b>	Assistant Professor			
<b>Email Id</b>	gayathri@sethu.ac.in			
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<b>Experience</b>	INDUSTRY	TEACHING	TOTAL	
	-	11 months	-	
<b>Date Of Joining The Institution</b>	13.08.2024			
<b>Area Of Specialization</b>	Biomedical Image Processing			
<b>Courses Taught</b>	1.Robotics and application			
	2. Advanced Wireless Techniques			
<b>Research Focus</b>	3.Basics of Communication System			
	Biomedical Image Processing			
<b>Research Guidance (Number Of Scholars)</b>	Nil			
<b>Subject Competency</b>	Digital Electronics, Image Processing, Wireless Communication			
<b>No Of Paper Published</b>	<b>National Journal</b>	<b>International Journal</b>	<b>Conferences</b>	
	-	2	2	
<b>No Of Conference Attended (International/National)</b>	4			
<b>No Of Books Published</b>	-			

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### ***Academic Credentials***

<b>Level</b>	<b>Degree</b>	<b>Specialization</b>	<b>University</b>	<b>Year of Completion</b>
UG	B.E	Electronics and Communication Engineering	Sethu Institute of Technology	2021
PG	M.E	Communication System	Sethu Institute of Technology	2023

### **Details of Journal Publication**

1. Mrs. T. Ruba, Dr. R. Tamilselvi, Dr. M. Parisa Beham, **M. Gayathri** "Segmentation of a Brain Tumour using Modified LinkNet Architecture from MRI Images " Journal of Innovative Image Processing 5 (2), 161-180 -2023

### **Details of Conference:**

1. Mrs. T. Ruba, Dr. R. Tamilselvi, Dr. M. Parisa Beham, **M. Gayathri** "Segmentation of a Brain Tumour using Modified LinkNet Architecture from MRI Images " Innovative Image Processing Conference 5 (2), 161-180 -2023
2. Seeni Mohamed Aliar Maraikkayar S M, Tamilselvi R, Parisa Beham M, Shanmuga Priya K, Gayathri M and Ahamed Sheriff M K" **FMD-Net: A Hybrid Deep Learning Framework for Automated and Sustainable Detection of Fetal Movements in Ultrasound Imaging**" International conference on Innovation and Sustainability and Applied Sciences -ICISAS 2025
3. Early detection of Rheumatoid Arthritis using Deep learning Sabah Afroze,Dr.R.Tamilselvi,Dr.M.Parisa Beham, **Ms.M.Gayathri** National conferrence on Emerging Trends in Information and Communication Technologies 2025
4. AI Enhanced Osteoporosis Detection using Ultrasound Data Dr.R.Tamilselvi,Dr.M.Parisa Beham,**Ms.M.Gayathri** National conferrence on Emerging Trends in Information and Communication Technologies 2025

### **Details of Book Publication:**

#### **- Details of Patent Filed and Granted:**

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<b>RESEARCH PROJECTS</b>				
<b>S. No.</b>	<b>Title of Project</b>	<b>Source of Funds</b>	<b>Amount</b>	<b>Duration</b>
1	IOT Based Air Quality Monitoring	EDII-TN	Rs.2,00,000/-	2023-2025

