

Name	Mrs.P.Arulmozhi		
Department	Biomedical Engineering		
Qualification	M.E.,(Ph.D)		
Area of Specialization	Signal Processing, Image processing		
Date of Joining (KSR IET)	03.07.2024		
Experience (as on 01.03.2023)	Teaching:12.5	Industry:nil	Others:nil
Number of Papers Published	National Journals :nil	International Journals :2	
Number of Papers Presented	National Conferences :6		International Conferences :2
Books Published	National Publisher :1	International publisher :	
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PUBLICATIONS (International Journals)

1. “Advanced Power Management for Electric Vehicle Charging Station”, in **International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)**, 06 December 2023 IEEE Xplore.
2. “SMART SOLUTION FOR RESOLVING HEAVY TRAFFIC USING IOT”, in **International Research Journal of Engineering and Technology (IRJET)**, Volume: 10 Issue: 05 ,May 2023.
3. “Smart Solar Energy Monitoring Position Tracking System with Fault Detection”, in **International Research Journal of Engineering and Technology (IRJET)**, Volume 9, Issue 5, May 2022.
4. “Linear Congruential generator for LUT-SR Architecture” in **International Journal (IJSER)** Volume 2,Issue 3, March 2014.
5. “Improving Vmin of Sram by Schmitt-Trigger/Read Write Techniques” in **International Journal (IOSR)**, Volume 2, Issue 1 March - April 2013.

PUBLICATIONS (National Journals)

- NIL

PUBLICATIONS (International Conferences)

1. “Automatic System for DRIP Irrigation Blockage Removal using Arduino”, **International Conference on Engineering and Technology** ,organized by Department of ECE Selvam College of Technology 4th and 5th March 2020.
2. **International Conference Futuristic Trends in Electronics Engineering ICFTEE**,organized by Department of ECE Thiruvallvar College of Engineering and Technology, Vandavasi on 1st & 2nd March 2014.

PUBLICATIONS (National Conferences)

1. “Smart Computing and Advanced Communication”, by **National Conference** on 06th March 2020,PSNA Engineering College,Dindigul.
2. “Power Electronics Applications in Renewable Energy” by **National Conference in** Department of Electrical and Electronics Engineering 16th & 17th February 2014. Vivekanandha College of Engineering For women, Tiruchengode.
3. ”Green Communication and its Security Issues”by **National Conference on Organic Electronics** by Department of Electronics and Communication Engg , 9th May 2014. Erode Sengunthar Engineering College Erode.
4. “Computing & Networking Technologies” by **National Conference on Advances in Electrical,Electronics, Communication**, Department of Electronics and Communication Engg ,11th March 2013. Malabar College of Engineering and Technology,Thrissur,Kerala.
5. **National Conference on Advanced Computational Intelligence Systems**,2nd March 2013,Nandha Engineering College, Perundurai, Erode.
6. **National Conference on Broadband Technologies**,10th April 2010,Nandha Engineering College, Perundurai, Erode.

PATENTS PUBLISHED:

S. No	Patent ID	Title of the Patent	Patent Level / National	Publication Date
1.	202441030700	AI based blind walking stick	National	10th November, 2023
2.	202141017805	Artificial Intelligence based Robotics for Determining Quality of battery in Manufacturing Industry	National	22th July, 2021
3.	202141030799	Portable device for chronic kidney disease analysis by using Raspberry-PI camera	National	21st August, 2021

FUNDED RESEARCH PROJECTS

S. No	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
1.	□ STTP on Digital Farming Exploration With Artificial Intelligence Program Conducted in four Series from November 2020 to December 2020	AICTE	Submitted	Co Coordinator

PROGRAMMES ATTENDED (Seminar/ Workshop/ FDP / STTP others)

S. No	Name of the Programme	Place	Date
1.	FDP on “Break through Feature Technologies”	Eswari Engineering College, Chennai.	16 th to 18 th December 2020,
2.	ATAL on IOT,	Kongu Engineering College, Perundurai, Erode	21 th to 25 th December 2020
3.	ATAL on Artificial Integellience,	PSNA Engineering College, Dindigul	4 th to 8 th January 2021
4.	ATAL on Photonics	Central University of Jharkhand.	18 th to 20 th January 2021
5.	ATAL on IOT	Kongunadu College of Engineering and Technology, Thottium.	25 th to 29 th January 2021.

PROGRAMMES ORGANIZED (Seminar/Conference/Workshop/FDP/STTP/Other)

S. No.	Name of the Programme	Type of Programme	Date
1.	IOT in Healthcare	Seminar	20.01.24
2.	Yoga for Mental health	Seminar	14.10.2023
3.	Health Awareness Program for Rural People	A extension and outreach program	30.09.2023