

Name	T.MARTHANDAN			
Department	ECE			
Qualification	B.E., M.E.,			
Area of Specialization	COMMUNICATION SYSTEMS			
Date of Joining (KSR IET)	01-06-2015			
Experience (as on 10.04.2023)	Teaching:11 Y 3 M	Industry:-NIL	Others: - NIL	
Number of Papers Published	National Journals : 1 International Journals : 7			
Number of Papers Presented	National Conferences : 03 International Conferences : 03			
Books Published	National Publisher : - International publisher : -			
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#### **Publications (International Journals)**

1. “Automated Ventilator with Oxygen and Pulse Monitoring System Using IoT” Published in IJRAR on 02.05.2021, Volume 8 and issue 2
2. “Border Alert System using Smart Boat to Safeguard the Fisherman” Published in IJFRSCE Vol. No:4, Issue:4, Year: April,2018
3. “Intelligent face detection test” International Journal of Innovative Research in Engineering & Science, ISSN 2319-5665, November issue 1,volume 5.
4. “A Memory Efficient Listless Speck (MLSK) Image Compression Algorithm For Low Memory Applications”, Asian Journal of Computer Science and Information Technology, ISSN 2249-5126, march 2013
5. “Reduction Of Noise From Speech Signal Using Wavelet Threshold” International Journal of Technology & Research Advances, ISSN 2320-3579, volume of 2013 issue I.
6. “Control Alert Routing In Mobile Ad Hoc” International Journal of Technology & Research Advances, ISSN 2320-3579, volume of 2013 Issue I.
7. “FPGA Implementation of Adaptive Median Filter for the Removal of Impulse Noise” International Journal of Technology & Research Advances, ISSN 2320-3579, volume of 2013 Issue I.

#### **Publications (National Journals)**

1. “Simultaneous Color Image Compression and Encryption using Number Theory” Journal of Current Engineering Research, ISSN 0976-8324,Sep-Oct 2012 issue 5, volume 2.

### Publications (International Conferences)

1. “Indoor air quality monitoring and control, fire and smoke detector””, **International Conference on” Challenges and opportunities for innovation in new normal Scenarios”** held on 3 rd April 2021
2. “Intelligence Surveillance System Using MSP 430”, **International Conference on Recent Trends in Engineering and Technology (ICRTET 2k17)** ECE/ KSR Institute for Engineering and Technology on 17.03.17
3. “An Optimized Image Encryption Technique for Multykey Conservative Chaotic System”, **International Association Of Engineering & Technology for Skill Development, Held at Hotel Ganesh Mahal Salem on 8 march 2015**

### Publications (National Conferences)

1. “Patch Antenna Array for Medical Application Using ADS”, **National Conference On Communication Computing and Networks**, ECE/ Bannari Institute of Technology, Sathyamangalam on 23.2.2017, 24.2.2017
2. “Online monitoring based versatile telemedical systems”, **National Conference On Recent Trends in Electronics and Communication**, ECE/ Jayalakshmi Institute of Technology, Thoppur on 22.03.2018
3. “Robust Gray Scale Water Marking based on Multilevel of DCT and SVD”, **NCRTC-V.3**, ECE/Annai Mathammal Sheela Engineering College, Namakkal on 9.02.2012

### Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

S. No	Date		Type of the Programme	Topic / Title	Remarks
	From	To			
1.	22.09.16	23.09.16	Work shop	Networking and Security	Organized & Participated
2.	27.11.17	03.12.17	FDP	Antenna & Wave Propagation	Organized & Participated
3	02.11.2020	07.11.2020	STTP	Long range(LoRa) wireless Area Networks: A Futuristic Apporach	Organized & Participated

### Programmes Attended (Seminar/ Workshop/ FDP / STTP others)

S. No	Name of the Programme	Type of the Programme	Organized by	Period
1	Microsoft Power BI Data Analyst Associate	FDP	ICT ACADEMY	26.12.2022 To 30.12.2023
2	Trainer program” Powering Iot Using ARDUINO/RASPBERRY PI	FDP	SkillsDa Under NanMudhlvan Scheme	26-09-2022 to 30-09-2022

3	Innovation Ambassador Training Advanced Level	FDP	Ministry of Education Government of India, MoE's Innovation cell & AICTE	30.06.2022 to 30.07.2022
4	FDP on Intellectual Property Rights & Patenting in India	FDP	NITTTR Chandigarh, Entrepreneurship Development and Industrial Coordination	13/06/2022 to 17/06/2022
5	FDP on "Recent Advancements and Applications of Data science"	FDP	Paavai Engineering College	27-06-22 to 02-07- 22
6	Webinar On Latest Research In IoT Driven Analysis-Smart Manufacturing	Webinar	Educare Taiwan with YUAN ZE University, Taiwan	17-07-2022
7	AICTE Student Learning Assessment	STTP	PARAKH in collaboration with Construction Industry Development	07 March, 2022 To 22 March, 2022
8	Virtual Labs	FDP	PALS- VLAB, 2021-2022 Initiative with NITK Surathkal	23-08-2021 To 27-08-2021
9	Innovation Ambassador Training (Foundation level)	Online training	MoE's Innovation cell & AICTE	30.06.2021 to 30.07.2021
10	Entrepreneurship	FDP	Technology Business Incubator@ Kongu	01.02.2021- 13.02.2021
11	Long range(LoRa) wireless Area Networks: A Futuristic Approach	STTP	KSR Institute for Engineering and technology	02.11.2020 to 07.11.2020
12	"EXPLORING OUTCOME BASED EDUCATION (OBE) AND NBA PROCESS"	FDP	Knowledge Institute of Technology	07-05-2020 to 13-05-2020
13	Examination Reforms	FDP	AICTE	29.04.2020- To 02.05.2020

14	One week FDP on “Antenna & Wave Propagation”	FDP	KSR Institute for Engineering and technology	27.11.17 to 03.12.17
15	Two days FDP on” Effective Public Speaking”	FDP	KSR Institute for Engineering and technology	24.04.17 to 25.04.17
16	Two Days on “Antenna Design And Analysis Using ESI CEM solution tools”	Workshop	Anna University ,Coimbatore	3.12.2015 to 4.12.2015
17	One week FDP on “Web application Development Using Dot Net Technologies”	FDP	Bharathiyar college of engineering and Technology	21.01.13 to 30.01.13