




SETHU INSTITUTE OF TECHNOLOGY

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Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



Department of Electronics and Communication Engineering					
Name	Mr.A.Manoj Prabaharan				
Date of Birth	03.09.1991				
Unique ID	1-3362773069				
Educational Qualifications	M.E.(Embedded Sys & Technology), (Phd)				
Designation	ASSISTANT PROFESSOR				
Email ID	manojprabaharanece@sethu.ac.in				
Alternate Email ID	manojprabaharann@gmail.com				
Experience	Industry	Teaching	Others	Total	
	0	9 YEARS 1 MONTH		9 YEARS 1MONTH	
Date of Joining the Institution	01.06.2016				
Area of Specialization	Embedded systems and technologies				
Courses taught	DSP, BEM,Analog and DigitalCommunication,Signals and systems, Microwave engineering,Block Chain,ADSP,Cognitive Radio				
Research Focus	Image proceesing and IOT				
Research guidance (Number of Scholars)	-				
Subject Competency	DSP, BEM,Analog and DigitalCommunication,Signals and systems, Microwave engineering,Block Chain,ADSP,Cognitive Radi, EMF,TLW				
No. of papers published	National Journals		International Journals		Conferences
			14		
PG Specialization	Embedded systems and technologies				
Ph.D. Specialization	Image proceesing and IOT				
Patents (Filed & Granted)	Filed and Published - 5				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-				



Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	ECE	Anna University	2013
PG	M.E	Embedded Sys & Technology	Anna University	2015
Ph.D.		Image processing	Anna University	Pursuing

Details of Journal Publication:

1. P. Selvaprasanth1 · R. Karthick2 · A. Manoj Prabaharan1, FPGA implementation of hybrid Namib beetle and battle royale optimization algorithm fostered linear phase finite impulse response filter design, Analog Integrated Circuits and Signal Processing, Springer US, Vol 123, Issue 2, Pg -33, May 2025.
2. B Deepa, C Sujatha, T Guru Baskar, A Manoj Prabaharan, B Michael Vinoline Rinoj, B Syed Ali Fathima, An adaptive scheduling based communication in 5G network, AIP Conference Proceedings, Vol 2518, Issue 1, Pg -060002, Sep 2022.
3. R Karthick, Meenalochini Pandi, M Sheik Dawood, A Manoj Prabaharan, P Selvaprasanth, ADHAAR: A RELIABLE DATA HIDING TECHNIQUES WITH (NNP2) ALGORITHMIC APPROACH USING X-RAY IMAGES, 3C Tecnologia, 3Ciencias, Pg -597-608, Nov 2021
4. M Arun Kumar, A Manoj Prabaharan, The Qualitative Role of Big data and Internet of Things for Future Generation-A Review, Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 3, June 2021: 4185-4199
5. P Selvaprasanth, A Manoj Prabaharan, A Survey on 3-Tier Architecture of IOT-Challenges and Remedies, Asian Journal of Applied Science and Technology (AJAST), Volume 4, Issue 1, Pages 01-05, January-March 2020
6. R Karthick, A Manoj Prabaharan, P Selvaprasanth, A Dumb-Bell shaped damper with magnetic absorber using ferrofluids, International Journal of Recent Technology and Engineering (IJRTE), Vol 8, Dec 2019
7. R Karthick, B Rinoj, T Venish Kumar, A Manoj Prabaharan, P Selvaprasanth, Automated health monitoring system for premature fetus, Asian Journal of Applied Science and Technology (AJAST)(Peer Reviewed Quarterly International Journal) Volume 3, Pages 17 – 23, July 2019
8. R Karthick, A Manoj Prabaharan, P Selvaprasanth, Internet of things based high security border surveillance strategy, Asian Journal of Applied Science and Technology (AJAST) Volume, Volume 3, Pages 94-100, May 2019
9. R Karthick, A Manoj Prabaharan, P Selvaprasanth, N Sathiyathan, A Nagaraj, High resolution image scaling using fuzzy based FPGA implementation, Asian Journal of Applied Science and Technology (AJAST), Volume 3, Issue 1, Pages 215-221, Jan 2019
10. Karthick R1 ,A.Manoj Prabaharan2 , P.Selvaprasanth3, INTEGRATED SYSTEM FOR REGIONAL NAVIGATOR AND SEASONS MANAGEMENT, Journal of Global Research in Computer Science ,Volume 9, No.4, April 2018

11. Meenalochini.P A.Manoj Prabaharan , P.Selvaprasanth, MPLEMENTATION OF LPT USING SPIDER TECHNIQUE, International Journal on Applications in Information and Communication Engineering, Volume 3, Issue 3, Pages 23-28

12. P Selvaprasanth, M Arun Kumar, A Manoj Prabaharan, An Efficient Detecting System for Health Using Internet of Things, Volume 3, Pages 17 – 23

13. A. Manoj Prabaharan, FPGA IMPLEMENTATION OF BILATERALFILTER AND OPTIMAL PARAMETER ESTIMATION FOR IMAGE DENOISING, International Journal of Advanced Technology in Engineering and Science, Volume No.03, Special Issue No. 02, February 2015

Details of Conference attended:

1. Mr.A.Manoj Prabharan “BREAST CANCER DETECTION AND DIAGNOSIS USING SAHD-CNN” International Conference on Recent Trends in Information, Communication and Electrical Engineering (ICRTICE 2K24)”
2. Mr.A.Manoj Prabharan “DETECTING CHANGE IN SATELLITE IMAGERY THROUGH CONVOLUTIONAL NEURAL NETWORK” International Conference on Recent Trends in Information, Communication and Electrical Engineering (ICRTICE 2K24)”
3. Mr.A.Manoj Prabharan”. WIRELESS SIGNALLING SYSTEM FOR RAILWAY CROSSING”International Conference on Emerging Trends in Information Communication Technologies(ETICT-2023)
4. Mr.A.Manoj Prabharan”. RECTENNA FOR ENERGY HARVESTING IN WIRELESS SENSOR NETWORKS”International Conference on Emerging Trends in Information & Communication Technologies(ETICT-2023)
5. Mr.A.Manoj Prabharan”. REMOTE SENSING OF FARMS USING IOT DEVICES”International Conference on Emerging Trends in Information & Communication Technologies(ETICT-2023)
6. Mr.A.Manoj Prabharan”. ELECTRIC VEHICLE BATTERY MANAGEMENT COOLING SYSTEM”International Conference on Emerging Trends in Information & Communication Technologies(ETICT-2023)

Details of Book Chapter and Books Published:

Details of Patents Filed and Granted:

PATENTS APPLIED			
Inventors	Patent Title	Patent No.	Year
A.MANOJ PRABAHARAN	AI Based System For Providing A Multi-Dimensional Human Resource Allocation Adviser	202441011184	08-03-2024
A.MANOJ PRABAHARAN	Deep Learning-Enabled Vibration Monitoring System for Satellite Launch Vehicles with GPS Payloads	202441093333	28/11/2024
A.MANOJ PRABAHARAN	Imaging and Sensing Technologies using deep learning for biomedical applications	202141040284	06-09-2021

Expert Lecture Delivered:

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