



St. Joseph's Institute of Technology
St. Joseph's Group of Institutions
OMR, Chennai - 119



Department of Electronics and Communication Engineering
(Accredited by NBA)

PUBLICATION DETAILS

2019-2020

S.No	Name of the faculty & Designation	Paper Title	Journal Name/ International/ National	Indexing
1.	Dr.C.Gnana Kousalya Professor	Digital Image Falsification Detection System for Effective Data Communication	International Journal of Engineering and Advanced Technology (IJEAT)/ International	Scopus
2.	Dr.C.Gnana Kousalya Professor	Robot for Under Water Monitoring	International Journal of Engineering and Advanced Technology (IJEAT) / International	Scopus
3.	Dr.C.Gnana Kousalya Professor	Non Contact Heart Rate Monitoring using Facial Video	International Journal of Engineering and Advanced Technology (IJEAT) / International	Scopus
4.	Dr.C.Gnana Kousalya Professor	Utilization of Fish Excrete for Plant Growth Using SVM	Algorithms for Intelligent Systems/ International	Springer Nature Book Series
5.	Dr.G.Rohini Professor	Robot for Under Water Monitoring	International Journal of Engineering and Advanced Technology (IJEAT) / International	Scopus
6.	Dr.G.Rohini Professor	Automation of Longitudinal Time Series Data Visualization using Plot Specifications Obtained from XL file	International Journal of Engineering and Advanced Technology (IJEAT) / International	Scopus
7.	Dr.G.Rohini Professor	Quantum Optimization of Evolutionary Algorithm using Droplet-Based Advanced Digital Microfluidic Biochip and Clinical Prognosis Configuration	Journal of Medical Imaging and Health Informatics/ International	SCIE
8.	Dr.G.Rohini Professor	Quality and Durability Checking of Clothes	International Journal of Scientific & Engineering Research - IJSER	-
9.	Dr.P.G.V.Ramesh Professor	Miniaturized Low-Pass Filter Design With Wide Stop Band Using Complementary Split-Ring Resonator	Microwave and Optical Technology Letters/ International	SCI

10.	Dr.P.G.V.Ramesh Professor	Electromagnetic Interference Suppression In Stacked Patch Antenna Using Complementary Split Ring Resonator	Microwave and Optical Technology Letters/ International	SCI
11.	Dr.P.G.V.Ramesh Professor	Design of Compact Highpass Filter for 5G MM-Wave Applications using Complementary Split Ring Resonator'	Frequenz/ International	Scopus/SCIE
12.	Dr.P.G.V.Ramesh Professor	Design of Miniaturized Super wideband Printed Monopole Antenna Operating From 0.7 to 18.5 GHz	AEU-International Journal of Electronics and Communication/ International	Scopus/SCIE
13.	Dr.P.G.V.Ramesh Professor	Design of compact Ultra Wide Band Filter with sharp roll-off rate using parallel-Coupled line and Circular Open-Circuited Stubs	AEU-International Journal of Electronics and Communication/ International	Scopus/SCIE
14.	Mr.M. Senthil Murugan Associate Professor	Hardware Implementation of Hybrid Model Encryption Algorithm for Secure Transmission of Medical Images	International Journal of Engineering and Advanced Technology (IJEAT)/ International	Scopus
15.	M. Samayaraj Murali Kishanlal Associate Professor	Future Generation Optical Network for Wired and Wireless Networks Based on OFDM using a Comb Source	International Journal of Innovative Technology and Exploring Engineering (IJITEE)/ International	Scopus
16.	Dr.P.G.V.Ramesh Professor	Design of Compact patch Antenna with Enhanced Gain and Bandwidth for 5G MM-Wave Applications	IET Microwaves, Antennas & Propagation/ International	SCI
17.	Dr.M.V.Karthikeyan Associate Professor	An enhanced flower pollination algorithm based chaff point generation method with hardware implementation in WBAN	International Journal of Communication System/ International	SCI
18.	Mr.K.Immanuel Assistant Professor	Enhanced Intelligent Automated Approach to MSRCR Algorithm for Image Enhancement	International Journal of Engineering and Advanced Technology (IJEAT)/ International	Scopus
19.	Mr.A.Dinesh Kumar Assistant Professor	Enhanced Intelligent Automated Approach to MSRCR Algorithm for Image Enhancement	International Journal of Engineering and Advanced Technology (IJEAT)/ International	Scopus
20.	Mr.E.Praveen Kumar Assistant Professor	Enhanced Intelligent Automated Approach to MSRCR Algorithm for Image Enhancement	International Journal of Engineering and Advanced Technology (IJEAT)/ International	Scopus
21.	Mr.J.Bino Assistant Professor	Comparative Analysis of Mechanical Properties in Aluminum Based Metal Matrix Composite	Test Engineering and Management/ International	Scopus

Patent

S.No	Name of the faculty & Designation	Paper Title	Journal Name/ International/ National	Indexing
1.	Dr.C.Gnana Kousalya Professor	Gas Lighter With Leakage and Level Monitoring System.	OFFICIAL JOURNAL OF THE PATENT OFFICE (Filed No. 202041014653)	Publication of the Patent Office
2.	Dr.G.Rohini Professor	Gas Lighter With Leakage and Level Monitoring System	OFFICIAL JOURNAL OF THE PATENT OFFICE (Filed No. 202041014653)	Publication of the Patent Office
3.	Dr.P.G.V.Ramesh Professor	Indicative Phonological and Visual Recognition System, The Patent Office Journal No. 27/2019 Dated 05/07/2019	OFFICIAL JOURNAL OF THE PATENT OFFICE	Publication of the Patent Office
4.	Dr.A.Akilandeswari Associate Professor	Speed and Safety Monitoring Apparatus For Two Wheeled, The Patent Office Journal No. 50/2019 Dated 13/12/2019	OFFICIAL JOURNAL OF THE PATENT OFFICE	Publication of the Patent Office
5.	Dr.G.S. Annie Grace Vimala Associate Professor	Speed and Safety Monitoring Apparatus For Two Wheeled, The Patent Office Journal No. 50/2019 Dated 13/12/2019	OFFICIAL JOURNAL OF THE PATENT OFFICE	Publication of the Patent Office
6.	Dr.D.Sungeetha Associate Professor	Speed and Safety Monitoring Apparatus For Two Wheeled, The Patent Office Journal No. 50/2019 Dated 13/12/2019	OFFICIAL JOURNAL OF THE PATENT OFFICE	Publication of the Patent Office
7.	Dr.M.V.Karthikeyan Associate Professor	Physiological Value-Based Implanted Medical Device Security System.	OFFICIAL JOURNAL OF THE PATENT OFFICE (Filed No.202041003326)	Publication of the Patent Office
8.	Dr.G.S.Uthayakumar Associate Professor	Cardiac Electric Field And Magnetic Field Strength Estimation In The Esophagus	OFFICIAL JOURNAL OF THE PATENT OFFICE (Filed No.202041001574)	Publication of the Patent Office
9.	Dr.G.S.Uthayakumar Associate Professor	Wireless Sensor Network Using LORA-WAN Technology to Monitor the Construction Site Remotely	OFFICIAL JOURNAL OF THE PATENT OFFICE (Filed No.202041001630)	Publication of the Patent Office

2018-2019

S.No	Name of the faculty & Designation	Paper Title	Journal Name/ International/ National	Indexing
1.	Mr.SamayarajMuraliKishanlal Associate Professor	Enabling Internal Methods in Passive Optical Network Architecture for Next generation OFDM-PON supporting Radio-Over-Fiber	Concurrency Computing/ International	Scopus & Web of Science
2.	Mr.M.Senthil Murugan Associate Professor	Implementation of Advanced Encryption Standard Algorithm on Steganography	International Journal of Recent Technology and Engineering/ International	Scopus (Elsevier)
3.	Mr.M.Senthil Murugan Associate Professor	Area-efficient and High-Speed Hardware Structure of Hybrid Cryptosystem (AES-RC4) for Maximizing key lifetime using Parallel Subpipeline Architecture	Concurrency and Computation: Practice & Experience/ International	Scopus (Elsevier) & Web of Science
4.	Mr.M.V.Karthikeyan Associate Professor	Efficient Bio-Signal Feature Based Secure Secret Key Generation Scheme a Simplified Model for Wireless Body Area Network (EFSKG Scheme)	Journal of Medical Imaging and Health Informatics/ International	SCIE
5.	Mr.M. Baskaran Associate Professor	Photonic Generation of frequency 16-tupling Millimeter Wave signal using Polarization Property Without an Optical Filter	Optik - International Journal for Light and Electron Optics/ International	SCI
6.	Mr.M.V.Karthikeyan Associate Professor	ECG-Signal Based Secret key Generation (ESKG) Scheme for WBAN and Hardware Implementation	Wireless Personal Communications/ International	Scopus
7.	Dr.V.R.Balaji Associate Professor	Integrated 25GHz and 50GHz Spectral line width Dense Wavelength Division Demultiplexer on Single Photonic Crystal Chip	Opto-Electronics Review/ International	Scopus/ Elsevier
8.	Mrs.P.PrincyMagdaline Associate Professor	Wireless Stethoscope for Recording Heart Sound using Li-Fi	Journal of Advance Research in Dynamical & Control Systems / International	Scopus/ Elsevier
9.	Mr.A.Dinesh Kumar Associate Professor	AAGC-Autonomous Armed Guard Companion	International Journal of Engineering & Technology(UAE)/	Scopus

			International	
10.	Mrs.L.Kanagadurga Associate Professor	Performance Analysis of All Optical Data and Clock Recovery System Using Fiber Bragg Grating in Sensing Applications	Journal of Electrical Engineering/ International	Scopus

2017-2018

S.No	Name of the faculty & Designation	Paper Title	Journal Name/ International/ National	Indexing
1.	Dr.C.Gnana Kousalya Professor	Design Modeling and Fabrication of Human-Humanoid Robot Communication	Pakistan Journal of Biotechnology/ International	Scopus
2.	Mr.M.Senthil Murugan Associate Professor	Design of Hybrid Model Cryptographic Algorithm for Wireless Sensor Network	International Journal of Pure and Applied Mathematics/ International	Scopus
3.	Mr.M.Baskaran Assistant Professor	Optical Millimeter Wave Signal Generation with Frequency 16-tupling using Cascaded MZMs and no Optical Filtering for Radio Over Fiber System	Journal of the European Optical Society-Rapid Publications/ International	Scopus & Springer
4.	Mr.M.V.Karthikeyan Associate Professor	Secret Key Generation of 128-Bits Using Patient ECG Signal and Secret Transmission for IMDS Authentication Using Steganography	International Journal of Pure and Applied Mathematics/ International	Scopus
5.	Mrs.S.Tephillah Assistant Professor	Vehicle to Vehicle Communication for Collision Avoidance using Zigbee	International Journal of Science and Innovative Engineering & Technology/ International	-
6.	Mr.V.R.Balaji Assistant Professor	Low Crosstalk DWDM Photonic Demultiplexer	International Journal Of Innovation In Engineering Research & Management/ International	-
7.	Mr.V.R.Balaji Assistant Professor	Smart Kitchen with Inventory Monitoring and Management using IoT	International Journal Of Innovation In Engineering Research & Management/ International	-
8.	Mrs.G.Akilandeswary Assistant Professor	Survey of Network Simulator Tools	Journal of Advanced Research in Dynamical and Control System/ International	Scopus
9.	Mrs.N.Sivasankari Assistant Professor	Analysis of Average Weight Based Centroid Localization Algorithm for Mobile Wireless Sensor Networks	Advances in Wireless and Mobile Communications/ International	-

2016-2017

S.No	Name of the faculty & Designation	Paper Title	Journal Name/ International/ National	Indexing
1.	Mrs.G.S.Annie Grace Vimala Assistant Professor	Diabetic retinopathy screening system: A validation analysis with multiple fundus image databases	Biomedical Research (India) / International	Scopus, Thomson Reuters
2.	Mrs.N.R.Bhuvanewari Assistant Professor	Robust and speedy multi kernels sparse representation technique for image classification in remote sensing	International journal of Engineering and technology/ International	Scopus
3.	Mrs.N.R.Bhuvanewari Assistant Professor	A multi feature fusion based image classification using multi-class support vector machine	International journal of Computer technology and applications/ International	-
4.	Mrs.N.R.Bhuvanewari Assistant Professor	Novel image classification technique using particle filter framework optimized by multi kernel sparse representation	Brazilian archives of biology and technology/ International	Scopus
5.	Mrs.A.Akilandeswari Assistant Professor	Fast Architecture Multiplier Less Based DWT	Asian Journal of Information Journal/ International	Scopus
6.	Mrs.S.Tephillah Assistant Professor	A layer Based Survey on the Security Issues of Cognitive Radio Networks.	International Journal of Computer Science and Information Security/ International	-
7.	Mrs.S.Tephillah Assistant Professor	Primary User emulation Attack (PUEA) Analysis in Cognitive Network	International Journal of Emerging Trends & Technology in Computer Science/ International	-
8.	Mrs.P.PrincyMagdeline Assistant Professor	Realization of Efficient Curve-Based Crypto Processor on FPGA	International Journal of emerging technologies in engineering research/ International	-
9.	Mr.V.R.Balaji Assistant Professor	Design and Optimization of Four Channel Dense Wavelength division multiplexing Demultiplexer using Photonic Crystals Square Resonant Cavity.	Journal of optoelectronics and advanced materials/ International	Scopus, Thomson Reuters
10.	Mr.V.R.Balaji Assistant Professor	Two-Dimensional Photonic Crystal assisted DWDM Demultiplexer with Uniform Channel Spacing	Digest journal of nanomaterials and biostructure/ International	Scopus, Thomson Reuters
11.	Mr.V.R.Balaji Assistant Professor	Design and Optimization of Photonic Crystal Based Eight Channel Dense Wavelength Division Multiplexing using Conjugate Radiant Neural	Optical and Quantum Electronics/ International	Scopus, Thomson Reuters

		network		
12.	Mr.V.R.Balaji Assistant Professor	Designing of 4-Channel drop Filter Based on Square Resonant Nano Cavity	International journal of advanced Engineering Technology/ International	-
13.	Mrs.A.Maria Christina Blessy Assistant Professor	Realization of Efficient Curve-Based crypto Processor on FPGA	International Journal of emerging technologies in engineering research/ International	-
14.	Mrs.S.Gayathri Assistant Professor	Realization of Efficient Curve-Based crypto Processor on FPGA	International Journal of emerging technologies in engineering research/ International	-