Department of Electronics and Communication Engineering
Journal Publications (2020 - JAN to DEC)

S.No.	Name of the Faculty	Title of Paper; Volume; Issue; ISSN; Pages; etc	Name of the Journal (I/N)	Indexing - Scopus / Web of Science / SCI / UGC Listed / Others	Month and Year of publication
2020 - JAN to JUNE					
1	Dr.S Muthukumar, K.Selvamurugan, K.Santhosh Kumar, V.Shalini	Smart Bin Waste Management Network using LoRa and Internet of Things	International Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 10, Issue 6, (Series-VIII) June 2020, pp. 61-65	OTHERS	JUN 2020
2	Sathya Priya M. S. and Muthukumar.S	SMART PARKING GUIDANCE SYSTEM	International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 07 Issue: 04	Apr 2020	OTHERS	APR 2020
3	Dr. S. Muthukumar, D. Jagadeeshwaran, V. Saveetha, M. K. Subramaniya Raman	Signal Acquisition of IRNSS Signals	International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-018, Vol. 9 Issue 06, June-2020	OTHERS	JUN 2020
4	Dr.G.A.Sathish kumar and Poomgal CT	Multi level Key Exchange and Encryption Protocol for Internet of Things(IoT)	International Journal of Computer Systems Science & Engineering vol:35,No.1	SCI	JAN 2020
5	V.Rajaram and N.Kumaratharan	Multi-hop optimized routing algorithm and load balanced fuzzy clustering in wireless sensor networks	Journal of Ambient Intelligence and Humanized Computing	SCI	MAR 2020
6	K.Dhanasekaran, P.Anandan and N.Kumaratharan	A robust image steganography using teaching learning based optimization based edge detection model for smart cities	Journal of Computational Intelligence	SCI	MAY 2020
7	V. Priyadarshini , S. R. Malathi	Application and Analysis of Approximate Bus and Shift-Invert Encoding Technique for Image Data Transfer over Serial Bus	International Journal for Research in Applied Science and Engineering Technoology, Volume 8, Issue V, ISSN: 2321-9653	OTHERS	MAY 2020
8	Komathi B, Gayathri R	Comparative Analysis of Support Vector Machine for Hyper spectral Image Classification	International Journal of Innovative Research in Technology (IJITEE) ISSN: 2349-6002, pp. 133-139, Volume-7 Issue-1, June 2020	OTHERS	JUN 2020
9	Komathi Dhavena.M & Dr.G.Padmavathi	Design and Implementation of Spatial Modulation Technique For 5G Wireless Networks	International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 , p-ISSN: 2395-0072 , pp 4586 - 4591,Volume: 07 Issue: 05 , May 2020	OTHERS	MAY 2020
10	Lakshmi Priya J and N. Kumaratharan	A New Framework in Filter Bank Multi Carrier Modulation with OQAM, Vol.7, issue 4, pp.1-7, 2020	International Research Journal of Engineering and Technology	OTHERS	APR 2020

Department of Electronics and Communication Engineering
Journal Publications (2020 - JAN to DEC)

S.No.	Name of the Faculty	Title of Paper; Volume; Issue; ISSN; Pages; etc	Name of the Journal (I/N)	Indexing - Scopus / Web of Science / SCI / UGC Listed / Others	Month and Year of publication
2020 - JULY to DEC					
11	G. A. Sathish Kumar and C. T. Poomagal,	ECC Based Lightweight Secure Message Conveyance Protocol for Satellite Communication in Internet of Vehicles (IoV)	Springer Wireless Personal Communications , Volume 113, issue 2, July 2020, pp1359–1377.	SCI	JULY 2020
12	G.A.Sathish kumar and M.Babu	In-depth survey on xor gate design	Journal of critical reviews, vol 7, issue 18, July 2020 pp.1879 -1888.	SCOPUS	JULY 2020
13	Dr.G.A.Sathish Kumar and K.Meena	Chaotic Map and Image Based Cryptosystem	International Journal of Innovative Research in Technology , Volume 7 Issue 2 , July 2020.pp51-57.	Indian Citation Indexed	JULY 2020
14	M.Manimaraboopathy, G A Sathish Kumar, J.Mohanraj, M.Valliammai	Realization of all-optical multiplexer–demultiplexer in mid-IR wavelengths using triple-core photonic quasi-crystal fiber	Optics Communications, Elsevier Publishing, Volume 481,126556 Impact Factor: 2.125	SCI	OCT 2020
15	G A Sathish Kumar and Babu M	Design of Faster SMS4 Crypto System with Efficient XOR Gate”	International Journal of Advanced Science and Technology, Vol. 29, No. 3, September 2020, pp. 13494 – 13499	SCOPUS	SEPT 2020
16	V.Rajaram and N.Kumaratharan	An optimised clustering using hybrid meta heuristic approach for wireless sensor networks	International journal of Communication Systems, Accepted, DOI:10.1002/doc.4638	Web of Science	SEPT 2020
17	S.Chitra, N.Kumaratharan and S.Ramesh	A novel subspace method for precise CFO estimation in multiuser environment	International journal of Communication Systems, Published early view	Web of Science	AUG 2020
18	Suresh K and Kumaratharan N	Performance Modelling of Service function Chaining in Distributed Controllers Secure Black SDN with NFV Architecture	Solid State Technology, Vol. 63, Issue 5, pp. 7558-7567, 2020	SCOPUS	DEC 2020
19	J.Monica, P.Jothilakshmi	A Design of Bandwidth-Enhanced Conformal Antenna for Aircraft Applications	IETE Journal of Research,Taylor & Francis,published online,DOI: 10.1080/03772063.2020.1829507	SCI	OCT 2020
20	Mr.Srinath, Dr.R.Gayathri	Detection and classification of electroencephalogram signals for epilepsy disease using machine learning methods	Int J Imaging Syst Technology. 2020; pp.,1–12	Web of Science	AUG 2020

Department of Electronics and Communication Engineering
Journal Publications (2020 - JAN to DEC)

S.No.	Name of the Faculty	Title of Paper; Volume; Issue; ISSN; Pages; etc	Name of the Journal (I/N)	Indexing - Scopus / Web of Science / SCI / UGC Listed / Others	Month and Year of publication
21	Babitha lincy & R.Gayathri	Optimally Configured Convolutional Neural Network for Tamil Handwritten Character Recognition by improved Lion Optimization Model	Multimedia tools and applications, with ISSN 1380-7501	SCI	OCT 2020
22	Sherin shibi & R.Gayathri,	Target Object Detection using Chicken Social-Based Deep Belief Network with Hyperspectral Imagery	IET Image processing (England)., Volume 14, Issue 15, 15 December 2020, p. 3781 – 3790, DOI: 10.1049/iet-ipr.2020.0344 , Print ISSN 1751-9659, Online ISSN 1751-96.	SCI	OCT 2020
23	T.J.Jeyaprabha, G.Rajeswari	An SVD Based Fragile Watermarking Scheme Tamper Localization and Self Recovery	International Journal of Innovative Research in Technology, Volume 7, Issue 2, ISSN: 2349-6002	OTHERS	JULY 2020
24	T. J. Jeyaprabha, G. Sumathi, A. Abijith, K. Guruprasanth, Chiranjeevraja Thillaiganesh	Studies on the Implementation of Remote Patient Monitoring Using Wireless Pulse Oximeter	Recent Developments in Engineering Research Vol. 7, Chapter 2, Print ISBN: 978-93-90431-11-3, eBook ISBN: 978-93-90431-19-9, DOI: 10.9734/bpi/rder/v7	OTHERS	OCT 2020
25	M.Athappan, Dr KR Santha	Area-Delay Efficient Fixed Stage Carry Skip Adder	International Journal of Advanced Science and Technology (IJAST), Vol. 29 No.7, pp 3609-3617	SCOPUS	JULY 2020
26	P. Ashok, M. Ganesh Madhan, P. Deepiha, C. Rimmya, S. Piramasubramanian	An Efficient Chaotic Optical signal generation scheme using Gain Lever Effect in bi-section laser diodes	Optics Communications, Elsevier Publishing, Vol. 475, Article No. 126202, pp. 1-10. [ISSN-0030-4018]	SCI	NOV 2020
27	K. Murali Krishna, M. Ganesh Madhan, P. Ashok	Simulation studies on Polarization modulated Vertical cavity surface emitting laser for combined fiber and free space optical links	Optik - International Journal for Light and Electron Optics, Elsevier Publishing, Vol. 219, Article No. 165018, pp. 1-10. [ISSN-0030-4026]	SCI	OCT 2020
28	K. Murali Krishna, M. Ganesh Madhan, P. Ashok	Study of gain switching in VCSEL under different electrical pulse inputs	Defence Science Journal, Published by DESIDOC, DRDO, Vol.70, No. 5, pp. 538-541. [p-ISSN-0011-748X, e-ISSN-0976-464X]	SCI	SEPT 2020
29	Sutha Senthil, Dhineshbabu Nattanmai Raman, Arunmetha Sundaramoorthy	Study of the magnetic properties of Mn-doped iron titanate nanoparticles fabricated using natural mineral	Micro & Nano Letters, https://doi.org/10.1049/mna2.12039	SCI	OCT 2020

Department of Electronics and Communication Engineering
Conference Publications (2020 - JAN to DEC)

2020 - JAN to DEC					
SL. No.	Name of the Authors	Title of the Paper	Name of the Conference	Conducted by/ ISSN No. if any	Date
1	M.Babu, Dr.G.A.Sathish kumar	PIPELINED SMS4 CIPHER DESIGN FOR FAST ENCRYPTION USING TWISTED BDD S-BOX ARCHITECTURE	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
7	M Athappan, Dr KR Santha	High Speed and Low Power Carry Select using Optimized Carry Select Unit	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
2	Kaaviya Baskaran, Baskaran P, Rajaram V and N. Kumaratharan	IoT based COVID Preventive System for Work Environment	*Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud),*	SCAD Institute of Technology ISBN: 978-1-7281-5463-3	7th to 9th
3	V.Rajaram, S.R. balasubramanian N.Kumaratharan	Smart Home Integrated System	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
4	B.Sarala,Dr.G.A.Sathish kumar	Design of an area efficient and low power Composite S-box using Reversible logic cryptographic design	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
5	S.P.Sivagnana Subramanian, Dr. S.Ganesh Vaidyanathan	Real time embedded traffic sign recognition system-A survey	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
6	Jency Rubia , Dr.G.A.Sathish kumar	Design And Analysis Of Digital FIR Filter Using RLNS Fixed-Width Multiplier	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
8	Kiiruthika devi Devi , Dr.G.A.Sathish kumar	Disease Detection And Crop Monitoring usingImage Processing Technique	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020

Department of Electronics and Communication Engineering
Conference Publications (2020 - JAN to DEC)

SL. No.	Name of the Authors	Title of the Paper	Name of the Conference	Conducted by/ ISSN No. if any	Date
9	R. Kousalya, Dr.G.A.Sathish kumar	A Review on SP based Light-Weight Cryptographic algorithms	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
10	S.M.Mehzabeen/Dr.R.Gayathri	Flood Inundation Mapping Extent using Satellite Images -A review	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
11	M.Vidya, Dr.S.Ganesh Vaidyanathan	Speech Recognition Techniques: A survey	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
12	S.Kalyani,Dr.S.Ganesh Vaidyanathan	A Literature Survey on various Handwritten Character Recognition Techniques	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
13	K.S.Subhashini,Dr.S.Ganesh Vaidyanathan	*A Survey on Deep Learning Algorithms for Human Activity Recogn*	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
14	D.Menaka,Dr.S.Ganesh Vaidyanathan	A Survey On Automated Analysis Of Multispectral Human Chromosome Images	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
15	Ms.Sherin shibi & Dr.R.Gayathri	Analysis of Superpixel Segmentation Techniques in Hyperspectral Imagery	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
16	Ms.Babitha lincy Dr.R.Gayathri	A High Performance Handwritten Character Recognition System Using Alex-Net Based On CNN for Tamil Language	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020

Department of Electronics and Communication Engineering
Conference Publications (2020 - JAN to DEC)

SL. No.	Name of the Authors	Title of the Paper	Name of the Conference	Conducted by/ ISSN No. if any	Date
17	Ms.Akila G Dr.R.Gayathri	Scene Classification of Remotely sensed imagery using CNN	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
18	Ms. M Kavitha Dr.R.Gayathri	Hyperspectral Image Classification with SVM and Edge-Preserving Smoothing Technique Filter	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
19	Ms.T J Jeyaprabha, Dr.G.Sumathi	Design of Secure Banking System	Smart Materials & Emerging Technologies for Industry 4.0 (SMETI 2020)	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur	16 & 17 Oct, 2020
20	D. Sundhari, Dr. N.R. Dhineshbabu, Dr. S. Sutha, and Dr. M.E. Raja Saravanand	Encapsulation of Bioactive agent (Curcumin, Moringa) in electrospun nanofibers – Some Insights into Recent Research Trends	2nd International Conference on Smart And Sustainable Developments in Materials, Manufacturing and Energy Engineering - (SME2020)	NMAM Institute of Technology	16 & 17 Oct, 2020