

SRM Institute of Science and Technology
College of Engineering and Technology
Department of Electronics and Communication Engineering
Academic Year 2018-2019
Scopus Indexed Publications

Faculty Name	Count	Article title	DOI
Dr. T. Rama Rao	1	M. Susila, T. Rama Rao, K. Varshini, P. Sandeep Kumar, and M. Pushpalatha; "Investigations of Specific Absorption Rate and Temperature Variations for an UWB Antenna for Wireless Applications"; Progress in EM Research M, Vol.78, P.83–92, 2019.	https://doi.org/10.2528/PIERM18111603
Dr. B. Ramachandran	1	M.NeelaveniAmmal, B.Ramachandran, and P.H.Rao, "Printed Planar Monopole Antenna Design for Ultra-Wideband Communications", Radioelectronics and Communications Systems, Vol. 61, No. 6, pp 267-273, Allerton Press Inc., 2018. (SNIP : 0.361)	
Dr. S. Malarvizhi	1	Subramani, Malarvizhi, Arumbu Vanmathi Neduncheran, and Vijayakumar Ponnusamy. "Performance Analysis of SPSK with Dual Polarized Transmit Antennas over Rayleigh Fading Channel." Journal of Telecommunications and Information Technology (2018).	https://doi.org/10.26636/jtit.2018.118717
Dr. Shanthi Prince	1	Sathyaram, V., Prince, S., Vedachalam, N. "A study on underwater optical wireless communication link capability in the Bay of Bengal" Ocean Systems Engineering, Vol. 8, No. 1 (2018) 33-39	
Dr. P. Aruna Priya	2	Nitish Das, P. Aruna Priya , "FPGA Implementation of an Improved Reconfigurable FSMIM Architecture Using Logarithmic Barrier Function Based Gradient Descent Approach, April 2019, International Journal of Reconfigurable Computing 2019:1-17	https://doi.org/10.1155/2019/3727254
		P. Aruna Priya , "comparative study of optical response of semiconductors using FDTD method, International Journal of Engineering and Technology (UAE), 7(2.24), 2018, pp 227-230.	https://doi.org/10.14419/ijet.v7i2.24.11999
Dr. A. Ruhan Bevi	2	Monurajan P, Ruhan Bevi A, Design of Memristive Hopfield Neural Network using Memristor Bridges", International Journal of Engineering and Technology, Vol 7, 2018, 652-655	https://doi.org/10.14419/ijet.v7i3.12.16447

Dr. A. Kunan Bevi	2	J. Manjula , A.Ruhan Bevi “A 79GHz Adaptive Gain Low Noise Amplifier for Radar receivers”, International Journal of Engineering and Technology (UAE), 7(2.24), 2018, pp 227-230.	https://doi.org/10.14419/ijet.v7i2.24.12037
Dr. J. Selvakumar	3	Prithiviraj, R., and J. Selvakumar. "A Preliminary Study of Oscillators, Phase and Frequency Detector, and Charge Pump for Phase-Locked Loop (PLL) Applications." In VLSI Design: Circuits, Systems and Applications, pp. 9-18. Springer, Singapore, 2018.	
		Prithiviraj, R., and J. Selvakumar. "Non-Linear Mathematical Modelling for Phase Locked Loop." International Journal of Engineering & Technology 7 (2018): 81-84.	https://doi.org/10.14419/ijet.v7i4.10.20710
		Selvakumar J, Rahim R, Ramesh C, manikandan R, " Locating Wire Fault using time domain reflectometry in controller area network based on kelvin resistance (4-wire) method, International Journal of recent technology & engineering, vol.7,issue.6, Mar. 2019.	
Dr. J. Manjula	2	Chaithanya Kumar M, J Manjula, “FPGA Implementation of Contention Free Turbo Decoder for Wireless Communications”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-1, May 2019. (Scopus indexed)	
		J. Manjula , A.Ruhan Bevi “A 79GHz Adaptive Gain Low Noise Amplifier for Radar receivers”, International Journal of Engineering and Technology (UAE), 7(2.24), 2018, pp 227-230.	https://doi.org/10.14419/ijet.v7i2.24.12037
Dr. P. Eswaran	2	Anand, P., Philip, V.L., Eswaran, P., "Cost effective digitalization solution for sinumerik CNC system to increase the transparency and utilization of the machine", International Journal of Recent Technology and Engineering, 2019, 8(2), pp. 6-13	
		Eswaran, P., Vaidyanathan, P.N., Akshay Vimal, J., Kumar, A., Chris Sam Daniel, W., "Development of required power point tracking algorithm for standalone solar photovoltaic inverter", International Journal of Recent Technology and Engineering, 2019, 7(6), pp. 1578-1582	

Dr. K. Kalimuthu	1	Pratyaksh, B., K. Kalimuthu, Ranvijay Tanwar, and Harjot Kaur. "Design of Ultrawide Band Planar Monopole Antenna for MIMO Applications.", International Journal of Engineering and Advanced Technology Volume 8, Issue 5, June 2019, Pages 511-514	
Dr. M. Sangeetha	2	P. Vijaya Kumar, Kshema Maria George, Akhil Krishnan Nair and M. Sangeetha, "Palm Vein Image Classification using Neural Network," International Journal of Recent Technology and Engineering (IJRTE), Vol.7, No.4S2, pp. 122-124, Dec. 2018	https://doi.org/ES2049017519/18©BEIESP
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Dr. S. Dhanalakshmi	9	Bakhale, M., Hemalatha, V., Dhanalakshmi, S., A dynamic inertial weight micro-Particle swarm optimization, International Journal of Pure and Applied Mathematics, 2018 journal-article	https://doi.org/2-s2.0-85044568424
		Latha, S., Samiappan, D., A hybrid approach for image denoising in ultrasound carotid artery images, Lecture Notes in Networks and Systems, 2018 book, DOI: 10.1007/978-981-10-3812-9_18	https://doi.org/10.1007/978-981-10-3812-9_18
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		Krishnan, M.A., Samiappan, D., Hilbert–Huang transform and its variants in engineering data analytics: State of the art and research challenges Lecture Notes in Networks and Systems, 2018 book, DOI: 10.1007/978-981-10-3812-9_16	https://doi.org/10.1007/978-981-10-3812-9_16
		Barui, S., Latha, S., Samiappan, D., Muthu, P., SVM Pixel Classification on Colour Image Segmentation, Journal of Physics: Conference Series, 2018 conference-paper, DOI: 10.1088/1742-6596/1000/1/012110	https://doi.org/10.1088/1742-6596/1000/1/012110
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		Latha, S., Samiappan, D., Muthu, P. Text to speech conversion module, International Journal of Pure and Applied Mathematics, 2017 journal-article, EID: 2-s2.0-85032189282	https://doi.org/2-s2.0-85032189282
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		Aman Kumar Mishra, P. Vijaykumar, Analysis of Spectrum Occupancy using Naïve Bayesian Classifier, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-X, Issue-X, pp-115-117.	
		M. Sangeetha, Toshiba Chamoli, Vijay Kumar, "BER Performance Analysis of Short Reference Differential Chaos Shift Keying Scheme Using Various Maps Over Different Channel Conditions", In Springer book: Wireless Communication Networks and Internet of Things, May 2018, pp 197-206	

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Dr. J. Subhashini	1	C. Manoj kumar, J. Subhashini, "A Novel Approach For Visual Speech Recognition Using Convolution Neural Network: An Aid To Speech-Impaired People," International Journal of Pure and Applied Mathematics, vol. 118, no. 22, pp. 1-8, 2018.	nil
Dr. M. Neelaveni Ammal	2	Voruganti Anirudh, M. Neelaveni Ammal, Datla Suryatej, A V Satvik, " Intelligent emergency Vehicle Preemption Using a Density based System", International Journal of Engineering & Technology, 7 (3.12), pp. 572-575, 2018.	https://doi.org/10.14419/ijet.v7i3.12.16431
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Dr. E. Chitra	1	Misra, S., Parvez, V., Singh, T., & Chitra, E., "A Portable Driver Assistance System Headset Using Augmented Reality", International Journal of Engineering & Technology, 7(3.6), 294-297, 2018.	https://doi.org/10.14419/ijet.v7i3.6.15071
Dr. P. Radhika	2	P.Radhika, T.Vigneswaran, J.Selvakumar," Design of modified reconfigurable unsymmetrical six parallel FIR filter with retiming technique for low power & high speed applications", International Journal of Recent Technology and Engineering , Volume-8, Issue-1, pp 759-767, May 2019.	
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Dr. R. Dayana	2	Dayana R, Kumar R, “Performance Analysis of Universal Filtered Multi-Carrier - Isotropic Orthogonal Transform Algorithm for Next Generation Wireless Networks”- International Journal of Engineering and Technology(UAE), 2018, Vol 7, No 4.19, 109-113. SNIP:0.192 (Scopus)	https://doi.org/10.14419/ijet.v7i4.19.22031
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Dr. P. Malarvezhi	4	Anna Reddy Sravani, P. Malarvezhi, R. Dayana, “Design and implementation of dimmer based smart street lighting system using Raspberry Pi and IoT”, International Journal of Engineering and Technology, 7(2.8), 2018. (Scopus)	
		P. Malarvezhi, R. Kumar,” Synchronization estimation in LTE-A system for 4G wireless communication”, Journal of Advanced Research in Dynamical and Control Systems,10(6 Special Issue), pp. 1013-1018 ,2018.	
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Dr. K. Vadivukkarasi	1	Arvindhan, S., Vadivukkarasi, K., Athithya Narayan, A.S., Shreyas, S.H., “Voice authenticated smart irrigation”, International Journal of Recent technology and Engineering, Vol.8, no.1, pp. 995-999, May 2019	
Dr. R. Srinath	2	Srinath Balasubramanian, and N. Nivethaa. “Floor Planning of 256 tap FIR filter using Flip-chip Technology for IR Drop and EM Effect Avoidance", International Journal of Recent Technology and Engineering, Volume-8, Issue-1, May 2019.	

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Dr. A. Maria Jossy	1	A Maria Jossy, Swati Sajee Kumar, Ananya Chakraborty, Namrata Lahiri , “Design Optimization of Triple Material Gate Stacked Oxide TFET”, International Journal of Recent Technology and Engineering (IJRTE), Volume-7, Issue 6, March 2019	
Dr. S. Yuvaraj	1	S.Yuvaraj, Smart Traffic control with ambulance detection, IOP Conference Series: Materials Science and Engineering, Vol 402, I 1,2018. SNIP=0.573.	
Dr. Sandeep Kumar P	1	M Susila, T Rama Rao T, K Varshini, P Sandeep Kumar and M Pushpalatha, “Investigations of Specific Absorption Rate and Temperature Variations for an UWB Antenna for Wireless Applications”, Progress in Electromagnetics Research M, Vol. 78, pp. 83-92, 2019.	https://doi.org/10.2528/PIERM18111603
Dr. Vivek Maik	2	Subhajit Dhar, Vivek Maik, M. S. Regularized Deblurring using Directional Prior with Sparse Representation. Int. J. Eng. Adv. Technol. 9, 206–210 (2019).	
		Lakshmanan, A. & Maik, V. Automatic Attendance System. Int. J. Recent Technol. Eng. 8, 182–185 (2019)	
Mrs. N. Saraswathy	2	Saraswathi .N , Modi.L, Nair .A ,”Complex number Vedic multiplier and its implementation in a filter “, International Journal of Engineering and Technology (UAE) , Vol 7,Issue 2,2018,Pg 336-340.	
		Parvathy.P, N.Saraswathi , “Design and Analysis of a CMOS 180 nm Fractional -N Frequency Synthesizer” Nano electric Materials and Devices,vol 466, pg -37-49 , LNEE 2018,Springer, Singapore.	

Mrs. K. Suganthi	1	K.Suganthi,"AN UNSTEADY HM (HYDRO-MAGNETIC) STREAM OF A STICKY LIQUID BETWEEN TWO OSCILLATING PLATES BY ELZAKI TRANSFORM". International Journal of Mechanical and Production Engineering Research and Development (IJMPERD). Vol. 10, Issue 4, Aug 2020, pp 73–82, ISSN (P): 2249–6930, ISSN (E): 2249–8001	
Ms. T. Ramya	1	Kriti Sethi, T. Ramya, Hanut Pratap Singh, Rishik Dutta, "Stress detection and relief using wearable physiological sensors", TELKOMNIKA, Vol.17, No.3, June 2019, pp. 1139~1146 ISSN: 1693-6930, DOI: 10.12928/TELKOMNIKA.v17i3.9719	
Mrs. S. Kayalvizhi	3	S.Kayalvizhi, S.Mahendra Reddy, M.Mahidhar, G.Raja Reddy "IOT Based Smart Garbage Alert System and Public Awareness Intimation Using Wireless Sensor Networks" International Journal of Engineering &Technology, 7 (3.12),pp737 -739, July 2018	https://doi.org/10.14419/ijet.v7i3.12.16491
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Mrs. S. Vasanthadev Suryakala	1	S.Vasanthadev Suryakala, Shanthi Prince, " Chemometric analysis of Diffuse Reflectance Spectral data using Singular Value Decomposition for blood glucose detection", Journal of Biomedical Engineering: Applications, Basis and Communications,30(4), 1850027 (1-9),2018.[Scopus-,SNIP-0.33]	
Dr.T. Rajalakshmi	4	T.Rajalakshmi, U.Snekhaltha, Jisha baby (2018). Segmentation of liver tumor using gradient vector flow algorithm. Biomedical Engineering: Application Basis and Communications October 2018	https://doi.org/10.4015/S1016237219500133
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Dr. I. Rajalakshmi	4	Baby, J., Rajalakshmi, T., Snehalatha, U.(2019), Detection of liver tumor using gradient vector flow algorithm, Lecture notes in computation vision and Biomechanics	https://doi.org/10.1007/978-3-030-00665-5_101
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Mr. M. Aravindan	1	Aravindan M, Yamuna G, Vikram R R, " Indoor localization based on wireless local area network fingerprint technique", Journal of computation and theoretical nanoscience,16(4), pp.1498-1501, 2019	
Mr. S. Nivash	3	1Aishwarya Chandrasekhar, 2Mohammad Yasin ,3S Nivash, "CONNECTED LIGHTING SYSTEM WITH ZIGBEE CONTROL BOARD AND PWM", International Journal of Pure and Applied Mathematics, Volume 118, No. 22, 2018, 9-17 ISSN: 1214-2205	
		S.Nivash1, MeherKaushal2, Jyothilakshmi Mohan3, RishikaMajumdar4, "UTILIZATION OF RSSI USING WSN MODULE FOR SMART EXPRESSWAY SAFETY AUTOMATION" , International Journal of Pure and Applied Mathematics, Volume 118, No. 20 2018, 3627-3633, ISSN: 1314-3395.	
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Mr. S. Praveen Kumar	4	Kasi Viswanathan G, Sathya Seelan C, S.Praveen Kumar"A Novel Approach on Communication between Blind, Deaf and Dumb People using flex Sensors and Bluetooth"International Journal of Engineering &Technology, 7 (3.12) (2018) 485-490	https://doi.org/10.14419/ijet.v7i3.12.16165
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Mr. S. Praveen Kumar	4	Mridula Karmakar,Ayushi,Praveen Kumar.S"An Improved Design of a Reversible Fault Tolerant Encoder Based FPGA"International Journal of Pure and Applied Mathematics,Volume 119 No. 15 2018, 1671-1676	
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Mrs. G. Kalaimagal	1	S. Sathyanarayanan, Sumant Agnihotri, Sasidhar Anbazhagan, G. Kalaimagal, ” AIMBOT”. in International Journal of Pure and Applied Mathematics, Vol. 120(6), Pg. 1023-1035	
Mr. E. Elamaran	3	Vaibhav Sharma, E.Elamaran "Role of Filter Sizes in Effective Image Classification Using Convolutional Neural Network", Cognitive Informatics and Soft Computing pp 625-637	https://doi.org/10.1007/978-981-13-0617-4_60
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Mr. B. Ananda Venkatesan	1	Pratyaksh, B. Ananda Venkatesan, K Kalimuthu, Ranvijay Tanwar, Harjot Kaur, “Design of Ultrawide Band Planar Monopole Antenna for MIMO Applications”, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Volume-8 Issue-5, June 2019	https://doi.org/E6945068519/19©BEIESP

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Mr. R. Prithiviraj	3	Prithiviraj, R., and J. Selvakumar. "A Preliminary Study of Oscillators, Phase and Frequency Detector, and Charge Pump for Phase-Locked Loop (PLL) Applications." In VLSI Design: Circuits, Systems and Applications, pp. 9-18. Springer, Singapore, 2018.	https://doi.org/10.1007/978-981-13-0617-4_69
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Mr. M. Maria Dominic Savio	2	M.MARIA DOMINIC SAVIO,S.YUVARAJ,"Attendance marking system using face recognition & RFID and prevention of examination Malpractice system","International Journal of Engineering and Technology(UAE), Vol -, I -, B --E -"	
		MARIA DOMINIC SAVIO,ANUDEEP,SANJEEVAN,KNS RESHMA,"LOW POWER CLOCK GATED DELAY BUFFER", "International Journal of Engineering and Technology(UAE), Vol 7, I 3.34 Special Issue 34, B 882-E 884"	
Mr. A. Sriram	1	A.Christie Aiswarya, A.Sriram "Secure End-To-End Solution For IoT Based Smart Home" in International Journal of Pure and Applied Mathematics, Volume 118 No. 22 2018, pp. 69-76, ISSN: 1314-3395, Sep 2018	
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