

MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

List of Publications

2025-2026						
S. No	Name of the Author	Title	Name of the Journal / Conference	Year of Publication	ISBN/ISSN no.	SCOPUS/SCI /UGC Care
1	Mrs. B Sucharitha	1. AI-Powered Echocardiogram Analysis: A Deep Learning Approach for Heart Disease Detection	2nd International Conference on Advanced Technologies in Electronics, Communications and Signal Processing (ICATECS-2026)	Jan 2026	-	Scopus
2		2. Brain Tumor Detection Using Mri Scans: A Technical Review	2nd International Conference On Recent Trends In Electrical, Electronics And Computing Technologies	Oct 2026	-	Scopus
2024-2025						
S. No	Name of the Author	Title	Name of the Journal / Conference	Year of Publication	ISBN/ISSN no.	SCOPUS/SCI /UGC Care
1.	Dr. Kaleem Fatima	1. Enhancing DM Junctionless Tree-FET Performance Through Spacer Optimization: A Comprehensive DC and RF Analysis	Journal of Electronic Materials	2025/1/28	https://doi.org/10.1007/s11664-025-11761-6	Scopus
S. No	Name of the Author	Title	Name of the Journal / Conference	Year of Publication	ISBN/ISSN no.	SCOPUS/SCI /UGC Care
1	Dr. Kaleem Fatima	2. Optimizing Device Dimensions for Dual Material Junctionless Tree-FET: A Path to Improved Analog/RF Performance	ECS Journal of Solid State Science and Technology	2024	DOI 10.1149/2162-8777/ad5c9e	SCIE
		3. Design and develop low-power memory controller for gain cell– embedded dynamic random-access memory cell using intelligent clock gating	Telecommunications and Radio Engineering	2024	ISSN Print:0040-2508 ISSN Online:1943-6009	Scopus
		4. Design and Development of Novel Refresh Technique for Gain Cell Embedded DRAM	SN Computer Science	October 2023	https://doi.org/10.1007/s42979-023-02223-z	Scopus
2	Dr. Sabir Hussain	1. An Introductory Review on Nanoparticles Based Treatment of Cancer	Middle East Journal of Applied Science & Technology (MEJAST)	March 2024	ISSN: 2582-0974	NO

		2. ASIC vs FPGA based Implementations of Built-In Self-Test	International Journal of Advanced Natural Sciences and Engineering Researches	July 2023	ISSN: 2980-0811	NO
		3. Machine Learning based Crop Recommendation on a Cloud	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	April 2023	https://doi.org/10.1109/I2CT57861.2023.10126185	Scopus
3	Dr. Nazeer Unnisa	1. Red Deer Optimisation-Based Delay Minimisation for mmWave Communication System Enabled with Mobile Edge Computing	Journal of Information & Knowledge Management Vol. 22, No. 04, 2350014 (2023)	Sep 2023	https://doi.org/10.1142/S0219649223500144	Scopus
4	Dr. M. A Raheem	1. ASIC vs FPGA based Implementations of Built-In Self-Test	International Journal of Advanced Natural Sciences and Engineering Researches	July 2023	ISSN: 2980-0811	NO
		2. Machine Learning based Crop Recommendation on a Cloud	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	April 2023	https://doi.org/10.1109/I2CT57861.2023.10126185	Scopus
5	Md. Noorullah Khan	1. Machine Learning Based Delta Sigma Modulator Using Memristor for Neuromorphic Computing	ICICSD 2023. Communications in Computer and Information Science	May 2024	978-3-031-61298-5	Scopus
2022-2023						
S. No	Name of the Author	Title	Name of the Journal / Conference	Year of Publication	ISBN/ISSN no.	
1.	Dr. Ayesha Naaz	1. A Survey on Identifications of Hotspots using DSP Methods	Recent Trends in Analog Design and Digital Devices	April 2023	http://dx.doi.org/10.5281/zenodo.7861191	
2.	Dr. Kaleem Fatima	1. Compound Metric Assisted Trust Aware Routing for Internet of Things through Firefly Algorithm	International Journal of Intelligent Engineering and Systems	Feb 2023	10.22266/ijies2023.0630.22	Scopus
		2. A DC-DC Boost Converter using PWM with 65% efficiency	2023 IEEE Devices for Integrated Circuit (DevIC)	April 2023	10.1109/DevIC57758.2023.10134808 Publisher: IEEE	Scopus
		5. Design of DC-DC Boost Converter Using PFM Switching Technique	2023 IEEE Devices for Integrated Circuit (DevIC)	April 2023	10.1109/DevIC57758.2023.10134869 Publisher: IEEE	Scopus
		6. Frequency response analysis of CNT bundle interconnects	International Journal of Electronics Letters	Feb 2023	https://doi.org/10.1080/21681724.2022.2117849	Scopus
3.	Dr. Arifuddin Sohel	7. ProHys PUF: A Proteresis - Hysteresis switch based	Integration	March 2023	ISSN 0167-9260,	Scopus

		Physical Unclonable Function			https://doi.org/10.1016/j.vlsi.2022.12.009 .	
4.	Ms. Maliha Naaz	1. A DC-DC Boost Converter using PWM with 65%efficiency	2023 IEEE Devices for Integrated Circuit (DevIC)	April 2023	10.1109/DevIC57758.2023.10134808 Publisher: IEEE	Scopus
		2. Design of DC-DC Boost Converter Using PFM Switching Technique	2023 IEEE Devices for Integrated Circuit (DevIC)	April 2023	10.1109/DevIC57758.2023.10134869 Publisher: IEEE	Scopus
5.	Dr. Nazeer Unnisa	1. Intelligent deep learning-aided future beam and proactive handoff prediction model in Unmanned Aerial Vehicle assisted anti-jamming Terahertz communication system	Int J Commun Syst. 2023;e5504.	April 2023	https://doi.org/10.1002/dac.5504	Scopus
		2. Deep Learning with Game Theory Assisted Vertical Handover Optimization in a Heterogeneous Network	International Journal on Artificial Intelligence Tools	June 2023	Vol. 32, No. 04, 2350012 (2023)	Scopus
4.	Mohammed Sabir Hussain	1. Machine Learning based Crop Recommendation on a Cloud	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	April 2023	https://doi.org/10.1109/I2CT57861.2023.10126185	Scopus
		2. Memory Compiler Performance Prediction using Recurrent Neural Network	2023 IEEE Devices for Integrated Circuit (DevIC)	April 2023	10.1109/DevIC57758.2023.10135060.	Scopus
5.	M.A. Raheem	1. Machine Learning based Crop Recommendation on a Cloud	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	April 2023	https://doi.org/10.1109/I2CT57861.2023.10126185	Scopus
		2. Memory Compiler Performance Prediction using Recurrent Neural Network	2023 IEEE Devices for Integrated Circuit (DevIC)	April 2023	10.1109/DevIC57758.2023.10135060.	Scopus
6	GSLBV Prasanthi	1. A Survey on Identifications of Hotspots using DSP Methods	Recent Trends in Analog Design and Digital Devices	April 2023	http://dx.doi.org/10.5281/zenodo.7861191	NO
7	Afshan Kaleem	1. A Survey on Identifications of Hotspots using DSP Methods	Recent Trends in Analog Design and Digital Devices	April 2023	http://dx.doi.org/10.5281/zenodo.7861191	NO
8	Hakeem Aejaz Aslam	1. Patch-Wise Hyperspectral Image Classification Using Composite 3d-2d Convolutional Neural Network Feature Hierarchy	International Research Journal of Modernization in Engineering Technology and Science	Sept 2022		NO
9	Dr. Salma Fauzia	1. Predicting the Discharge of Patients Via Machine Learning Based Discharge Predictive Model	International Journal on Recent and Innovation Trends in Computing and Communication	July 2022	https://doi.org/10.17762/ijritcc.v10i7.557	Scopus
10	Kadiyam Sashidhar	1. Smart Public Transport Disinfection and Sterilization System	2023 International Conference for Advancement in Technology (ICONAT)	Jan 2023	https://ieeexplore.ieee.org/xpl/conhome/10079844/proceeding	Scopus

11	Mrs. B Sucharitha	1. Hyper Spectral Image compression using Higher Order Orthogonal Iteration Tucker decomposition	IEEE 19th India Council International Conference (INDICON), 1-7	Nov 2022	https://ieeexplore.ieee.org/abstract/document/10040093	Scopus
2021-2022						
S. No	Name of the Author	Title	Name of the Journal / Conference	Year of Publication	ISBN/ISSN no.	
1	Dr. Arifuddin Sohel	1. Proteretic device: Modelling and implementation in electronics and optical domain	Semiconductor Science and Technology	April 2022	https://www.scopus.com/authid/detail.uri?origin=resulistslist&authorid=55489589700&zone=	Scopus
		2. CMOS Implementation of a Proteresis-Hysteresis (ProHys) Switch	Midwest Symposium on Circuits and Systems	2021	https://www.scopus.com/authid/detail.uri?origin=resulistslist&authorid=55489589700&zone=	Scopus
		3. High-speed CMOS ramp generator using proteretic comparator	2021 IEEE Asia Pacific Conference on Circuits and Systems, APCCAS 2021 and 2021 IEEE Conference on Postgraduate Research in Microelectronics and Electronics, PRIMEASIA 2021	2021	https://www.scopus.com/authid/detail.uri?origin=resulistslist&authorid=55489589700&zone=	Scopus
		4. Design of 8-Stage RF-to-DC Converter for Energy Harvesting Applications	Lecture Notes in Networks and Systems	2021	https://www.scopus.com/authid/detail.uri?origin=resulistslist&authorid=55489589700&zone=	Scopus
2	Dr. Kaleem Fatima et al	1. Performance Analysis of CNT Bundle Interconnects in Various Low-k Dielectric Media	ECS Journal of Solid State Science and Technology	2022	https://www.scopus.com/authid/detail.uri?authorId=26430845600	Scopus
3	Dr. Ayesha Naaz,	1. Machine Learning Science Using Bioinformatics Leads To More Effective Treatments	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)	2022	https://www.scopus.com/authid/detail.uri?origin=resulistslist&authorId=57831777500&zone=	Scopus
		2. Detection of Fruit Diseases using Image Processing Techniques: A Review	SSRG International Journal of Electronics and Communication Engineering	2022	ISSN: 2348 – 8549 / https://doi.org/10.14445/23488549/IJECE-V9I4P102	NO

		3. Flexible Rectenna- A Survey	International Journal of Multidisciplinary and Current Educational Research (IJMCER)	2022	ISSN: 2581-7027 2581-7027	NO
		4. Fruit Leaves Disease Detection: A Review	International Journal of Agriculture and Environmental Research	2022	ISSN: 2455-6939	NO
4	Mrs. Sucharitha	1. Image Segmentation techniques and optimization algorithms for Lung cancer	LNEE, Springer	In Press	In Press	Scopus
		2. Hyper spectral Image Compression & amp; Classification: A Survey	Journal of Remote Sensing & GIS	2022	ISSN (Online): 2230-7990 ISSN(Print): 2321–421X	Scopus
		3. Hybrid Compression Method for Hyper Spectral Images using 3-Way SVD Tensor Decomposition and Discrete Wavelet Transform	IEEE Digital Explorer https://ieeexplore.ieee.org/document/9719354	2022	DOI: 10.1109/ICISSGT52025.2021.00032	Scopus
5	Mrs. Afshan Kaleem	1. Machine Learning Science Using Bioinformatics Leads To More Effective Treatments	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)	2022	https://www.scopus.com/authid/detail.uri?origin=resul&list&authorId=57831777500&zone=	Scopus
6	Mrs. G.S.L.B.V. Prasanthi	1. Machine Learning Science Using Bioinformatics Leads To More Effective Treatments	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)	2022	https://www.scopus.com/authid/detail.uri?origin=resul&list&authorId=57832432700&zone=	Scopus
		2. Flexible Rectenna - A Survey	International Journal of Multidisciplinary and Current Educational Research (IJMCER)	2022	ISSN: 2581-7027 2581-7027	NO
7	Mrs. Nazeer Unnisa	1. Adaptive Deep Learning Strategy with Red Deer Algorithm for Sparse Channel Estimation and Hybrid Precoding in Millim0eter Wave Massive MIMO-OFDM systems	Wireless Personal Communications, Springer	2021	https://www.springer.com/journal/11277	Scopus
		2. Intelligent Allocation Strategy of Mobile Users to	IEEE Explore	2021	DOI: 10.1109/ETI4.05166	Scopus

		Multi-Access Edge Computing Resources			3.2021.9619420 IEEE Xplore	
		3. AI based Computation for Hybrid Precoding / Combining in Millimeter - Wave Massive MIMO Systems	IOP JPCS	2021	https://doi.org/10.1088/1742-6596/1817/1/012013	Scopus
8	Hakeem Aeja Aslam	1. Hyperspectral Image Classification using Deep Learning Techniques: A Review	International Journal of Electronics & Communication Engineering (IJECE)	2022	Vol-9 & Issue-6 ISSN: 2348-8549	No
9	Mrs. Shubhangi Saxena	1. Novel Nanoelectronic Materials and Devices: For Future Technology Node	IOP science ECS transactions	2022	https://iopscience.iop.org/article/10.1149/10701.15701ecst	Scopus
10	Dr. Salma Fauzia	1. A survey of routing protocols in Mobile Ad hoc Networks	Stochastic Modeling & Applications, Vol. 26 No. 3 (January - June, Special Issue 2022 Part - 1)	2022	ISSN: 0972-3641	UGC CARE
		2. Pulse Monitoring System Using Light Fidelity (Li-Fi)	Stochastic Modeling & Applications, Vol. 26 No. 3 (January - June, Special Issue 2022 Part - 1)	2022	ISSN: 0972-3641	UGC CARE
2020-2021						
S. No	Name of the Author	Title	Name of the Journal / Conference	Year of Publication	ISBN/ISSN no.	
1	Dr. Sabir Hussain	1. SIC-TPG for path delay fault detection in BIST Application” Presented a paper in IEEE International Conference “Devices for Integrated Circuits (DevIC 2021)	DevIC 2021	August 2021		Scopus
		1. Designing of CRC Polynomials for 5G-NR	2nd International Hazar Scientific Researches Conference at Khazar University, Baku, Azerbaijan	Abstract Book: p.268 (https://www.izdas.org/books)		No
2	Mr.Hakeem Aeja Aslam	1. Brain Tumor Detection From MRI Dataset Using CNN With Python	Journal of Huazhong University of Science and Technology (HST)	JUN 2021	Vol-50 & Issue-6 with ISSN:1671-4512 in.	
		2. Artificial intelligence based Smart Parking System using Haar-Cascade Method”	Journal of Huazhong University of Science and Technology (HST)	JUN 2021.	Vol-50 & Issue-6 with ISSN:1671-4512	
		3. Hand Gesture Recognition System for Deaf &	International Journal of	JUL-AUG	Vol-2 & Issue-4 with	

		Dumb”	Multidisciplinary and Current Educational Research	2020.	ISSN:2581-7027 in Page No:82-88	
		4. An Efficient Key Data List for Enhancing Symmetric Read-Write Page Access”	TEST Engineering & Management	Feb 2020	Vol-82 with ISSN:0193-4120 in Page No:11276-11279	
3	Mr. Zakir Hussain	1. Performance Analysis of High Speed and Area Efficient Finite Impulse Response Filters.	A Journal of Physical Sciences, Engineering and Technology	2020	Vol 12 No 01(2020) Published: 2020-06-30 ISSN: 2229-7111(P),2454-5767(E)	No
4	Dr. M.A. Raheem	1. A Low Voltage NMOS current bleeding down conversion Mixer with source degeneration in 0.18µm CMOS Technology ”	IEEE 4th International conference Devices for Integarted Circuits (DevIC 2021)	Aug 2021 (In press)	IEEEExplore 10.1109/DevIC50843.2021 .9455921.	Scopus
		2. AI Algorithm System for Prediction of Diabetes Using Progressive Web Appand IBM Cloud		May 2021	ISSN- 2319-7064	No
		3. A 1.2V, 0.7mW of Low Noise Amplifier for WSN Band	2020 International Conference on Inventive Computation Technologies	2020	DOI: 10.1109/ICICT48043.2020 .9112578	Scopus
		4. SIC-TPG for path delay fault detection in VLSI circuits using scan insertion method	IEEE 4th International conference Devices for Integarted Circuits (DevIC 2021)	2021	IEEEExplore. 10.1109/DevIC50843.2021 .9455859	Scopus
5	Hakeem Aeja Aslam	1. Brain Tumor Detection From MRI Dataset Using CNN With Python	Journal of Huazhong University of Science and Technology (HST)	2021	Vol-50 & Issue-6 ISSN: 1671-4512	No
		2. Artificial intelligence based Smart Parking System using Haar-Cascade Method	Journal of Huazhong University of Science and Technology (HST)	2021	Vol-50 & Issue-6 ISSN: 1671-4512	No
		3. Hand Gesture Recognition System for Deaf & Dumb	International Journal of Multidisciplinary and Current Educational Research (IJMCER)	2020	Vol-2 & Issue-4 ISSN:2581-7027 Page No:82-88	No
6	Mrs Nazeerunisa	1. Design Of Channel Feed-Back Codebook And Addressing Power Leakage Problem In mm- Wave Massive MIMO System With Lens Antenna Arrays	Journal of Critical Reviews	2020	ISSN- 2394-5125	Scopus
7	Dr.Salma Fauzia	2. Air Monitoring System using IoT	Journal of Information and Computational Science.	2021	Page No: 71-81 DOI:10.12733.JICS.2021. V11I2.535569.20009	No

8	Mrs. Kamala Kumari	1. A Novel Approach for Identification of Exon Locations in DNA Sequences using GLC Window	International Journal of Biology and Biomedical Engineering	2021	Volume 15 DOI: 10.46300/91011.2021.15.7	Scopus
		2. Short Time Fourier Transform based Exon Prediction	Journal of Information and Computational Science	2021	Volume 11 Issue 6 - 2021	No
9.	Ms. Rafath Unnissa	1. An ultra low power CMOS based temperature to digital converter in 0.045 µm technology	Microprocessors and Microsystems	Sept 2020	https://doi.org/10.1016/j.micpro.2020.103046	Scopus
2019-2020						
S. No	Name of the Author	Title	Name of the Journal / Conference	Date of Publication	ISBN/ISSN no.	
1	Dr. M. Arifuddin Soheli	1. A 1.2V, 0.7mW of Low Noise Amplifier for WSN Band	2020 International Conference on Inventive Computation Technologies (ICICT)	2020	pp. 864-867, DOI: 10.1109/ICICT48043.2020.9112578.	
		2. A 1.8V 204.8micro watt 12-Bit Fourth Order Active Passive Sigma Delta Modulator for Biomedical Applications	IEEE 2019 Devices for Integrated Circuit (DevIC)	2019	pp. 124-127, DOI: 10.1109/DEVIC.2019.8783626.	
		3. IoT based Humanoid Robot	International Journal of Scientific Research and review (IJSRR)	2019	-	
2	Dr.Kaleem Fatima	4. Exploring Security and Authentication Issues in Internet of Things	International Conference on Intelligent Computing and Control Systems (ICICCS)	2019	Electronic ISBN:978-1-5386-2842-3	
3	Dr Ayesha Naaz	1. A Double sided Wideband Rectenna Design for RF Energy harvesting	International Journal of Management And Engineering (IJMTE)	2019	ISSN: 2249-7455	
		2. Rectenna Designs for RF Energy harvesting-A Survey	International Journal of Management And Engineering (IJMTE)	2019	ISSN: 2249-7455	
4	Mrs Nazeerunisa	1. Sparse Channel Estimation in MM-Wave Hybrid MIMO systems	Test Engineering and Management	2020	ISSN: 0193 - 4120 Page No. 3119 – 3127	
		2. Hybrid Precoding/Combining for single-user and Multi-Users in mm-Wave MIMO systems	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	ISSN: 2278-3075	

5	Mrs Sucharitha	1. Medical Image Compression Using Fractal Coding and Daubechies Wavelet Transform	International Conference On Advances In Electronics And Communication Engineering	2019	NA	
		2. Hyper Spectral Image Compression Using Fractal Compression with Arithmetic and Huffman Coding	Journal of Emerging Technologies and Innovative Research (JETIR)© 2019 JETIR	2019	Volume 6, Issue 6	
6	Mr. Hakeem Aejaz Aslam	1. Efficient Key Data List for Enhancing Symmetric Read-Write Page Access	International Conference on Computing, Communication, Electrical and Electronics	2020		
		2. An Efficient Key Data List for Enhancing Symmetric Read-Write Page Access	TEST Engineering & Management	2019	Vol-82 ISSN:0193-4120 Page No:11276-11279	
7	Mr. Zakir Hussain	1. Implementation Of High-Speed, Low-Power, And Area-Efficient FIR Filters	Journal Of Engineering Sciences	2019	ISSN:0377-9254	
8	Mr. Sabir Hussain	1. Design of Low Power Multiplexer based LFSR	Journal of Information and Computational Science	2019	Volume 9 Issue 10 – 2019- ISSN: 1548-774	
9	Mr M.A. Raheem	1. A 1.2V, 0.7mW of Low Noise Amplifier for WSN Band	2020 International Conference on Inventive Computation Technologies (ICICT),	2020	pp. 864-867, doi: 10.1109/ICICT48043.2020 .9112578.	
10	Mrs Kamala Kumari	1. Improved Spectral Charactersitics of Bandpass FIR Filter using a Novel Adjustable Window Function	International Journal of Circuits Systems and Signal Processing	2019	Volume 13,	
2018-19						
11	Dr.Kaleem Fatima	1. Designing of Digital circuits using Vedic mathematics for Engineering Applications	3rd International Vedic Mathematics Conference at RV College of Engineering Bengaluru(C)	23rd -25th August 2018.	NA	
		2. A Novel Approach to The Learning Of Vinculum Numbers In Two's Compliment Method For BCD Arithmetic Operations	Proceedings of the Second International Conference on Computing Methodologies and Communication (ICCMC-2018)[C]	2018	ISBN: 978-1-5386-3452-3978-1- 5386-3452 IEEE Xplore	
		3. QoS based Routing for Free Space Optical Mobile Ad Hoc Networks	IJVICS International Journal of Vehicle Information and Communication Systems	2019	ISSN online 1741-8208 ISSN print 1471-0242 Inderscience	

12	Mrs Afshan Kaleem	1. Automatic speaker verification for feature extraction for cochlea- A survey		July 2018	JARDCS ISSN (143-023X)	
13	Mr.M.A. Raheem	1. A 0.5V 30.78μW 78dB DR using 2nd order Sigma- Delta Modulator for Biomedical Application	IEEE ISMS 2018 Malaysia Kuala Lumpur(C)	2018		
		2. Design of Low-Power 2.5 GHz Integer-N Frequency Synthesizer	IJET(J)	2018	ISSN: 2227-524X	
		3. Design and Analysis of 2-Stage Op-Amp for LDO Application	IJPAM(J)	2018		
		4. IoT based Oxygen Monitoring System for Health Care Management in Hospitals	JARDCS(J)	2018		
		5. A Two Channel Analog Front End Design AFE Design with Continuous Time Σ - Δ Modulator for ECG Signal	IJECE(J)	NA	ISSN: 2088-8708	
14	Ms. G.S.L.B.V. Prasanthi	1. Rectenna Designs For RF Energy Harvesting- A Survey	International Journal of Management, Technology And Engineering(J)	May 2019	Volume IX, Issue V, MAY/2019	
15	Mr.Jabar Othman Jabar	1. Design of folded Gilbert Mixer for MICS Band Applications	EECCMC	2018	EECCMC	
16	Mr.Ahmeduddin Zakir	1. A survey on secure data storage in Industrial internet of things	IJRAR - International Journal of Research and Analytical Reviews (IJRAR)	November 2018	E-ISSN 2348-1269, P-ISSN 2349-5138, Volume.5, Issue 4, Page No pp.465-470,	
17	Mr.Sabir Hussain	1. Design of Low Power Multiplexer based LFSR for testing IoT Devices	Journal of Information and Computational Science[J]	2019	ISSN: 1548-7741	
		2. An approach to Measure Transition Density of Binary Sequences for X-filling based Test Pattern Generator in Scan based Design	International Journal of Electrical and Computer Engineering[J]	2018	Issue. No 4.,Vol.No 8.,Pg.No 2063-2071	
		3. An Efficient SIC X-filling Technique for Multi Fault Modelling,	International Journal of Pure and Applied Mathematics[J]	2018	Issue. No 15.,Vol.No 119.,Pg.No 1543-1548	
		4. An Efficient SIC Generator using X Filling Techniques for Low	International Journal of Simulation: Systems, Science & Technology BIST Issue.[J]	2018	No 2.,Vol.No 18., Pg.No 10.1-10.6	
18	Mr.Noorullah Khan	1. Design Of Capacitive DAC Based Successive Approximation A/D Converter	International Journal of Current Engineering and Scientific Research (IJCESR),	2018	ISSN (PRINT): 2393-8374 (ONLINE): 2394-0697, Volume-5, Issue-4,	
		2. A high speed fully differential dynamic	2nd International Conference[C]	2018	ISBN:978-1-53860806-7	
2017-18						
1		1. Designing of Digital circuits using Vedic	3rd International Vedic Mathematics	23rd -25th	-	

	Dr.Kaleem Fatima	mathematics for Engineering Applications	Conference at RV College of Engineering Bengaluru.	August 2018.		
		2. Hybrid Signed Digit Parallel And Multi Operand BCD Adders	ICIDEST KCG college of Engineering and Technology, Chennai.	17th& 18th April 2018,	-	
		3. Efficient Vedic Signed Digit Decimal Adder” Fourth International Conference on Devices, Circuits and Systems	(ICDCS'18) Electronics and Communication Engineering Karunya Institute of Technology and Sciences	16th & 17th Mar 2018	ISBN: 978-1-5386-3476-	
		4. A Novel Approach to The Learning Of Vinculum Numbers In Two’s Compliment Method For BCD Arithmetic Operations	Proceedings of the Second International Conference on Computing Methodologies and Communication (ICCMC-2018)	2018	ISBN: 978-1-5386-3452-3978-1-5386-3452 IEEE Xplore	
		5. A New Approach to Directional Routing in MANETs.	IEEE International Conference on Innovative Technologies in Engineering (ICITE OU)	April 2018	IEEE Explorer	
		6. Routing in Optical Mesh Networks-A QoS perspective	IJASUC	April 2018	Vol.9, No.2 DOI:10.5121 AIRCCE publication	
		7. Performance Evaluation of AODV Routing Protocol for Free Space Optical Mobile Ad-Hoc Networks.	Intelligent Systems Technologies and Applications Volume 683	October 2017	Print ISBN 978-3-319-68384-3 Online ISBN 978-3-319-68385-0 Springer AISC series	
2	Dr. Arifuddin Sohel	1. Design of Discrete Time Notch Filter for Biomedical Applications	DevIC IEEE	2017	Online	
3	Dr. Nazia Parveen	1. Performance and comparison of precoding techniques in Massive MU-MIMO Syatems	IEEE XPLORE	2017	PP.22-23, 19-20 May 2017.	
4	Dr. Ayesha Naaz	1. Analysis and Reduction of Dilution of Precision Using MUSIC Algorithm	International journal of Innovations and Advancements in Computer Science, (IJIACS) Vol.7, Issue No.3	March 2018	215-222.	
		2. One shot blind CFO and channel estimation for multiantenna	International Journal of Electrical Electronics and Communication, (IJEEC)	August 2017	Vol.21, Issue No.19	
5	Mrs. Nazeerunnisa	1. Traffic Density Based Signal Duration Modulation	International Journal Of Current Engineering And Scientific Research (IJCESR)	April 2018	Volume-5, ISSUE-4 ISSN: 2393-8374	
6	MrsAfshan Kaleem	1. Automatic speaker verification for feature extraction for cochlea- A survey	JARDCS ISSN (143-023X)	July 2018	Yes	
7	Mr.Sabir Hussain	1. An approach to Measure Transition Density of Binary Sequences for X-filling based Test	International Journal of Electrical and Computer Engineering	2018	Issue. No 4.,Vol.No 8.,Pg.No 2063-2071	

		Pattern Generator in Scan based Design				
		2. An Efficient SIC X-filling Technique for Multi Fault Modelling,	International Journal of Pure and Applied Mathematics	2018	Issue. No 15.,Vol.No 119.,Pg.No 1543-1548	
		3. An Efficient SIC Generator using X Filling Techniques for Low Power Scan based	International Journal of Simulation: Systems, Science & Technology BIST Issue.	2018	No 2.,Vol.No 18.,Pg.No 10.1-10.6	
		4. A Review of Low Power and Area Efficient FSM based LFSR for Logic BIST	Journal of Electronic Design and Test	2017	NO	
8	Mr. Mohd. Zakir Hussain	1. Multiplication Techniques for an Efficient FIR Filter Design for Hearing aid Applications	International Conference on Inventive Systems and Control (ICISC 2018)	January 2018	IEEE Explorer	
		2. Impact of Radices for the Design of efficient FFT Processor	International Conference on Inventive Systems and Control (ICISC 2018)	January 2018	IEEE Explorer	
		3. Impact of data path unit for an efficient implementation of FFT processor	International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)	August 2017	IEEE Explorer	
		4. High Precision Arithmetic Unit For Biomedical And Radar System Applications	International Conference on Networks & Advances in Computational Technologies (NetACT),	July 2017	IEEE explorer	
9	Mr.Noorullah Khan	1. Design Of Capacitive DAC Based Successive Approximation A/D Converter	International Journal of Current Engineering and Scientific Research (IJCESR),	2018	ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, Volume-5, Issue-4,	
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		5. A Two Channel Analog Front End Design AFE Design with Continuous Time Σ - Δ Modulator for ECG Signal	IJECE	2018	ISSN: 2088-8708	
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11	Mr.Jabar Othman	1. A High speed fully differential dynamic comparator for use in pipelined A/D Converter		January 2018		
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15	Mrs.Rehana Farheen	1. IoT based smart management system	ICITE IEEE Explore	Feb 2018	No	

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		2. A Review of Low Power and Area Efficient FSM based LFSR for Logic BIST	Journal of Electronic Design and Test (JEDT 2017)	2017		
		3. An Efficient Multiplexer based LFSR for Low Power DFT Architecture	National conference on Advances in communication technologies (NCACT 2017)	24-25 March, 2017		
3.	Mrs.AfshaJabeen& Sabir Hussain	4. Design of Low power FSM based LFSR for Logic BIST	International Journal of Innovations in Engineering and Technology (IJIET)	November 2016		2919-1058
4.	Mrs.AfshaJabeen& Sabir Hussain	5. Design of Low power FSM based LFSR for Logic BIST	First National Conference on Recent Trends in Engineering and Significance of Open Source Software (Special Issue NCRTEEFOOS 2016)	December 15-17, 2016		ISSN 2919-1058
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6.	Ms. Maliha Naaz, Mohammed Dr.Arifuddin Soheli, Dr. Kaleem Fatima, Mr.M.A. Raheem	1. Design of low power notch filter for biomedical applications	International journal of innovative research in electrical, Electronics , Instrumentation and control engineering (IJIREEICE, VOL 4, Issue	December 2016		Pg. No. 75-79

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8.	Dr. Kaleem Fatima and Ms. Ganti Srilakshmi	1. Implementation of high speed Vedic BCD Multiplier using Vinculum method	IEEE TENCON 2016,Singapore	22-25 Nov, 2016		-
9.	Mr. Mohd. Abdul Kareem and Nazia Parveen	1. Effective resource allocation for cooperative communication using water filling algorithm in LTE Advanced network	International journal of Innovative Technologies	August 2016		-
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14.	Hakeem Aeja Aslam	1. Detection of Lung Tumor in MR Images using Modified Pillar K-Means Algorithm with Gabor Filter and Color Mapping	International Journal of Science & Research (IJSR)	2017		Vol. 6, issue 4, APR 2017 ISSN: 2319-7064.
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15.	Mr. Mohd. Noorullah Khan	1. Differential Gain booster folded cascade OTA with 100 dB gain	IJAREEI, ESS research Publications, VOL 5, Issue 5	May 2016		-
16.	Mr.Jabar Othman	1. A high speed low power CMOS comparator for pipeline ADC in 180 nm Technology	IJAREEIE, Vol.5, Issue 1,	Jan 2016		-
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1	Dr.Kaleem Fatima	1. Area_Delay_Power Efficient Booth Encoded Reversible Multiplier using Compressors	4 th International Conference on Innovations in Electronics and Communication Engineering(ICIECE-2015)	August 21st - 22nd 2015		ISSN 2249-9946 Vol 5 Issue 2
		2. Compressor Based 8x8 Bit Vedic Multiplier using Reversible Logic	3 rd International Conference on Devices, Circuits and Systems (ICDCS'16)	3rd to 5th March 2016		ISBN: 978-1-5090-2309-7
2	Dr.Nazia Parveen	1. Subcarrier Analysis and Power Allocation for Cooperative Communication in LTE Advanced Networks		2015		Vol.4 Issue 6, pp. 2978-2983
		2. Reduction of Power Consumption of Users for Cooperative Communications in LTE Advanced Network	Proceedings of National Conference (NCCSS)	2015		PP.144-147, 22-24
3	Dr.Ayesha Naaz	1. Moving Object Detection Based on Background Subtraction & Frame Differencing Technique	International Journal of Advanced Research in Computer and Communication Engineering	May 2016		Vol. 5, Issue 5
4	Dr.Arifuddin Sohel	1. Differential Gain booster folded cascade OTA with 100 dB gain	IJAREEI , ESS research Publications	May 2016		VOL 5, Issue 5
5	Mrs.Nazeerunissa	1. ANFIS Based Performance Analysis of OFDMA System on Rician Fading Channels	AIRCC publishing corporation	September 2015		Vol.03, Issue.07
6	Dr. Sabir Hussain	1. A SIC Bit Flipping Linear Feedback Shift Register for Low Power BIST	International Journal of Instrumentation electrical electronics engineering (IJIEEE)	June 2015		Volume 3 Issue 3, e-ISSN: 2321-0621 p-ISSN:

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7	Mr. Mohd. Zakir	1. Area Efficient SHA-1 Algorithm	International Journal Of Advanced Research In Engineering & Technology (IJARET)	June 2016		Vol.3,Issue 2
		2. Q-Format Data Representation and Its Arithmetic	International Journal of Electronics and Communication Technology(IJECT)	June 2016		Vol.7,Issue 2,
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8	Mr.Noorullah Khan	1. Design and Implementation Of Dynamic Track and Latch Comparator Using CMOS In 0.18 um Technology	JATCSC ,ESS research Publications	Jan 2016		Vol.5 , No.1,
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9	M.A. Raheem	1. A Fully Differential Gain booster folded cascade OTA with 100 dB gain	IJAREEI ,ESS research Publications	May 2016		VOL 5,Issue 5
		1. A Logarithmic DWA based Discrete Time Multi bit Sigma Delta Modulator	IEEE Conference	2015		
		2. A Design of 2nd Order DT Sigma-Delta Modulator For Medical Implants	IEEE Conference	December 2015		
10	Salma Fauzia	1. Performance Analysis of Routing Protocols based on Simulation Models in MANET's	IJERT	January 2016		ESRSA publication Vol. 5 Issue 01
2014-15						
1	Dr.Kaleem Fatima	1. Routing in FSO MANETS-QOS and directionality	Eleventh International Conference on Wireless and Optical Communications. KLU, Vijaywada.	September 2014		IEEE Explorer
		2. ANFIS Based Performance Analysis of OFDMA System on Rician Fading Channels	AIRCC publishing corporation (Journal)	September 2014		ISSN 2322-0929 Vol.03, Issue.07
		3. Design of Efficient Low-Power Modulo 2^n+1 Adder	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		

		4. Cross talk Analysis in ULSI Circuits	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
2	Dr.Arifuddin Sohel	1. Design of High gain Low Noise Figure Mixer for IEEE 802.11a Direct Conversion Receiver in .18µm CMOS Technology	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
		2. Design of switched Capacitor Based Notch Filter	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
		3. Design of Low-Power Two-Stage Load-Compensated OTA for Sigma-Delta ADC's in Medical Implants	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
3	Mr. J.K. Nag	1. Design of AMBA-Advanced High Performance Bus(AHP) Protocol IP block	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
	Dr.Nazia Parveen	1. Subcarrier Analysis and Power Allocation for Cooperative Communication in LTE Advanced Networks	Journal	2015		Vol.4 Issue 6, pp. 2978- 2983
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		3. Implementation of OFDM based Multi-Relay Multi-Pair Two-way Communication	WOCN, 11-13 Conference	September 2014		
4	Dr.Ayesha Naaz	1. Extended MUSIC Algorithm for DOA Estimation in Coherent	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		-
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		4. Impact of the LFSR Seeding on Test Pattern Generator in BIS	Recent and Innovation Trends in Computing and Communication (IJRITCC-).	August 2014		ISSN 2321-8169
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8	Mr. Mohd. Zakir Hussain	1. Moving object detection based on Background subtraction and frame differencing Technique.	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
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		2. Design of Low power 2.5 GHz Current starved Voltage Controlled Oscillator	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
		3. Current Bleeding Mixer with High LO-RF Isolation in 0.18µm CMOS technology	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
10	Ms. G.S.L.B.V. Prasanthi	1. Modified extended gain Kalman Filter with application to bearings,-Only passive Maneuvering Target Tracking	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
11	Jabar Othman Jabar	1. Design of High gain Low Noise Figure Mixer for IEEE 802.11a Direct Conversion Receiver in .18µm CMOS Technology	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
12	MalihaNaaz	1. Design of switched Capacitor Based Notch Filter	NCCSS,MJCET, Hikey media (Conference)	Jan 2015		
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13	Dr.Salma Fauzia	3. Routing in FSO MANETS-QOS and directionality	Eleventh International Conference on Wireless and Optical Communications. KLU, Vijaywada.	September 2014		IEEE Explorer
14	Mr. Ahmeduddin Zakir	1. FPGA Implementation of Error Detection and Correction Architecture for Motion Estimation in Video Coding System	International Journal of Scientific Engineering and Technology Research (IJSETR - 2014)	2014		volume 03, issue 31, ISSN: 2319-8885 pages: 6116 – 6120
		2. Implementation of Patient Data Collection using Android Smartphone	International Journal of Scientific Engineering and Technology Research (IJSETR - 2014)	2014		volume 03, issue 31, ISSN: 2319-

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		4. Architectural Low Power Implementation of UART using Verilog	International Journal of Engineering Research and Technology (IJERT - 2014)	2014		volume 03, issue 2, ISSN: 2278-0181
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15	Dr. Kaleem Fatima, and Md. Rahmatullah	1. Design of four Layered parallel Multi-point Hardware Router	44th Mid Term Symposium ICT in Space, Defense and Industrial Applic	220-22nd April 2013		
16	Arshia Azam, Mohammad Haseeb Khan	1. Reduced rule fuzzy logic controller for 2. performance improvement of process control	IEEE Conference on Information and communication Technologies ICT 2013, NICHE, Tamil Nadu, India.	2013		
17	Arshia Azam, Mohammad Haseeb Khan	1. Sensorless Control of Induction motor drive during low speed region using IFLC based MRAS speed observer	International J. of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Nov. 2013		
18	VaniG , Afshan Kaleem	1. Secured routing of and improvement QOS using S-DSR	International Journal of Advances in Management ,Technology & Engineering Sciences Vol. II, Issue 11 (111),	August 2013		
19	J.K. Nag	1. Design and Implementation of Low Power Area Efficient FIR Digital Filter using Vedic Multiplier	NCACEE2K13			

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21	Mr. Mohd. Arifuddin Sohel and Ms. Maliha Naaz	1. A Low Power Continuous Time Band Pass Sigma Delta Modulator using linearity enhanced OTA	Prime Asia 2013.	2013		
22	A Raheem, Karthik kailas	1. A Novel Concurrent BIST Architecture for Register based Recording and Windowed Playback”	PRIME ASIA2013	21 -12-2013		
23	Maliha Naaz, and Mohd Arifuddin Sohel	1. Low Power Continuous Time Band Pass Sigma Delta Modulator using linearity enhanced OTA	IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia)	2013		