UNIVERSITY OF ENGINEERING AND TECHNOLOGY

List of Faculty Publications

Journals

Sr. #	Faculty Member	<u>Level</u> (National / International)	Year of Public ation	Title	Complete name of Journal	Vol.	lssue No	ISSN	HEC Category (W/X/Y/Z), Impact Factor in case of (W- Cat (pubs before 1st July 2020) & W/X/Y if pub is after 30th June 2020 (HJRS))	Published / Accepted	DOI	Complete Bibliographic Reference (MLA)
1	Prof. Dr. Yaseer Arafat Durrani	International	2022	Efficient power macromodeling approach for heterogeneously stacked 3d ICs using Biogeography based optimization	PLOS ONE journal				W	Published	https://doi. org/10.137 1/journal.p one.02641 81	
2	Prof. Dr. Yaseer Arafat Durrani	International	2020	Efficient power modeling approach for IP based SoC system using discrete water cycle algorithm	Turkish Journal of Electrical Engineering & Computer Sciences	28	5	1300-0632	W	Published	https://doi. org/10.390 6/elk-2002- 150	
3	Prof. Dr. Yaseer Arafat Durrani	International	2018	Power and Thermal Modeling Approach for Homogeneously- Stacked Butterfly Fat Tree architecture in 3D Ics	Wiley International Journal of Numerical Modeling, Electronic Networks, Devices & Fields	31	1	1099-1204	W	Published	https://doi. org/10.100 2/jnm.2330	
4	Prof. Dr. Yaseer	International	2018	Power Macro- Modeling Technique for NoC-	Wiley International Journal of	30	6	1099-1204	W	Published	https://doi. org/10.100 2/jnm.2309	

	Arafat Durrani			based Homogeneous Layered 3D Ics	Numerical Modeling, Electronic Networks, Devices & Fields							
5	Prof. Dr. Yaseer Arafat Durrani	International	2018	Power Analysis Approach for NoC- based Homogeneous Stacked 3D ICs	World Scientific Journal of Circuits, Systems and Computers,	27	2	1793-6454	W	Published	https://doi. org/10.114 2/S021812 661850034 2	
6	Prof. Dr. Yaseer Arafat Durrani	International	2018	Effect of Isothermal Treatment on Ni3Al Coatings Deposited by Air Plasma Spraying System	Journal Archives of Metallurgy and Materials	63	1	1733-3490	W	Published		
7	Prof. Dr. Yaseer Arafat Durrani	International	2017	Power modeling for High Performance network-on-chip architectures	Elsevier Journal of Microprocessors & Microsystems	50		0141-9331	W	Published		
8	Prof. Dr. Yaseer Arafat Durrani	National	2017	Fundamentals of Low-Noise in Analog Circuits	Technical Journal, UET, Taxila	22	1	1813-1786	X	Published		
9	Dr. Syed Azhar Ali Zaidi	International	2019	M. Awais, A. Ahmed, S. A. Ali, M. Naeem, W. Ejaz and A. Anpalagan, "Resource Management in Multicloud IoT Radio Access Network	IEEE Internet of Things Journal	6	2	2327-4662	W	Published	10.1109/JI OT.2018.28 78511	
10	Dr. Syed Azhar Ali Zaidi	International	2021	Uniform patterns based area- efficient and accurate stochastic computing finite impulse response filter. PLOS ONE	PLOS One	16	1	1932-6203	W	Published	doi.org/10. 137	

				16(1): e0245943. https://1/journal.p one.0245943							
11	Dr. Syed Azhar Ali Zaidi	International	2021	An area efficient and high throughput implementation of layered min-sum iterative construction a posteriori probability LDPC decoder	PLOS One	16	3	1932-6203	W	Published	doi.org/10. 1371
12	Dr. Syed Azhar Ali Zaidi	International	2021	A novel embedded system design for the detection and classification of cardiac disorders	Computational Intelligence	37	4	0824-7935	X	Published	doi.org/10. 1111/coin. 12469
13	Dr. Syed Azhar Ali Zaidi	International	2022	Performance Optimization of Apodized FBG Biomedical Sensor for Variation in Temperature and Presence of Noise	IEEJ Trans Elec Electron Eng	17	6	1931-4973	X	Published	doi.org/10. 1002/tee.2 3573
14	Dr. Aamir Rashid	International	2022	A Compact Low- Profile Antenna for MillimeterWave 5G Mobile Phones	Electronics				W	Published	doi.org/10. 3390/electr onics11193 256 [IF = 2.69]
15	Dr. Aamir Rashid	International	2021	A novel embedded system design for the detection and classification of cardiac disorders	Computational Intelligence.	37	4		W	Published	doi.org/10. 1111/coin. 12469 [IF=2.330]
16	Dr. Aamir Rashid	International	2021	An area efficient and high throughput implementation of layered min-sum iterative construction a	PLOS One	16	3		W	Published	doi.org/10. 1371/journ al.pone.02 49269 [IF=2.74]

				posteriori probability LDPC decoder						
17	Dr. Aamir Rashid	International	2021	Uniform patterns based area-efficient and accurate stochastic computing finite impulse response filter	PLOS One	16	1	W	Published	doi.org/10. 1371/journ al.pone.02 45943 [IF=2.74]
18	Dr. Aamir Rashid	International	2021	An ultrathin and broadband radar absorber using metamaterials', Waves in Random and Complex Media	Waves in Random and Complex Media			W	Published	DOI: 10.1080/17 455030.20 20.186935 0 [IF=3.33]
19	Dr. Aamir Rashid	International	2021	Ullah, T, Rashid, A. Angularly stable and broadband chiral metamaterial based design for asymmetric transmission of linearly polarized waves	Microw Opt Technol Lett			W	Published	doi.org/10. 1002/mop. 32564 [IF=0.957]
20	Dr. Aamir Rashid	International	2020	A highly efficient low-cost reflective anisotropic metasurface for linear to linearly cross- and circular-polarization conversion	Microw Opt Technol Lett			W	Published	doi.org/10. 1002/mop. 32748 [IF=0.957]
21	Dr. Aamir Rashid	International	2020	Saba Arshad , Farooq A. Tahir , Aamir Rashid , M. M. Saad Missen & James A. Flint (2020) Co- planarwaveguide	Waves in Random and Complex Media	40	5	W	Published	DOI: 10.1080/02 726343.20 20.178037 9 (Tylor & Francis) [IF 0.553]

				fed Circularly Polarized Antenna for Wireless WLAN/LTE Applications, Electromagnetics								
22	Dr. Aamir Rashid	International	2020	A novel compact folded zeroth-order resonant antenna for Internet of Things USB dongle applications, Electromagnetics	Waves in Random and Complex Media	40	4		W	Published	DOI: 10.1080/02 726343.20 20.175067 6 (Tylor & Francis) [IF 0.553]	
23	Dr. Aamir Rashid	International	2019	An adaptive sliding mode actuator fault tolerant control scheme for octorotor system. International Journal of Advanced Robotic Systems	International Journal of Advanced Robotic Systems	16	2		W	Published	doi.org/10. 1177/1729 881419832 435	
24	Dr. Aamir Rashid	International	2018	An online temperature- aware scheduling technique to avoid thermal emergencies in multiprocessor systems", Computers & Electrical Engineering	Computers & Electrical Engineering	70		0045-7906	W	Published	doi.org/10. 1016/j.com peleceng.2 018.06.002 . [IF=2.663]	
25	Dr. Hammad Zaki	International	2019	Robust trajectory control of an unmanned aerial vehicle using acceleration feedback	International Journal of Mechatronics and Manufacturing Systems	12	3.00	1753-1039	W	Published	doi.org/10. 1504/IJMM S.2019.103 495	

26	Dr. Hammad Zaki	International	2022	Design and implementation of adaptive neuro-fuzzy inference system for the control of an uncertain ball and beam apparatus."	Mehran University Research Journal of Engineering & Technology	41	2	2413-7219	X	Published	doi.org/10. 22581/mue t1982.2202 .17.
27	Dr. Usman Masud	International	2017	Investigation of Cavity Length and Mode Spacing Effects in Dual- Mode Sensor	IEEE Sensors Journal,	18	7		W	Published	10.1109/JS EN.2017.27 88359.
28	Dr. Usman Masud	International	2018	Heat transfer analysis of magneto-Eyring— Powell fluid over a nonlinear stretching surface with multiple slip effects	Application of Roseland's heat flux, Canadian Journal of Physics				W	Published	doi.org/10. 1139/cjp- 2018-0732.
29	Dr. Usman Masud	International	2019	A Measurement Study of Cooperative Network on WiMAX Technology using BICM LDPC with iterative Decoding Technique	Journal of Information Communication Technologies and Robotic Applications (JICTRA)	10	2		W	Published	
30	Dr. Usman Masud	International	2021	On the effects of chemical reaction on controlled heat and mass transfer in magnetized nonNewtonian biofluid through a long rectangular tunnel	Journal of Thermal Analysis and Calorimetry				W	Published	doi.org/10. 1007/s109 73-020- 10426-2
31	Dr. Usman Masud	International	2022	Comment on 'An ultrathin and broadband radar	Waves in Random and Complex Media	32	6		W	Published	DOI: 10.1080/17 455030.20

				absorber using metamaterials', Waves in Random and Complex Media						20.186935	
32	Dr. Usman Masud	International	2019	Performance analysis of NRZ and RZ variants for FSO communication system under different weather conditions,	Journal of Optical Communications			W	Published	DOI: https://doi. org/10.151 5/joc-2019- 0294	
33	Dr. Usman Masud	International	2020	Securing Cognitive Radio Networks using blockchains,	Elsevier Future Generation Computer Systems			W	Published	doi.org/10. 1016/j.futu re.2020.03. 020.	
34	Dr. Usman Masud	International	2020	Traffic Congestion Avoidance System Using Foreground Estimation and Cascade Classifier	IEEE Access			W	Published	DOI: 10.1109/A CCESS.2020 .3027715.	
35	Dr. Usman Masud	International	2020	Highly Sensitive Microsensor Based on Absorption Spectroscopy: Design Considerations for Optical Receiver	IEEE Access			W	Published	DOI: 10.1109/A CCESS.2020 .2996973.2 020	
36	Dr. Usman Masud	International	2020	Dual mode spectroscopic biomedical sensor: Technical considerations for the wireless testbed, Physica Scripta,	Physica Scripta			W	Published	DOI: 10.1088/14 02- 4896/abb4 9c.	
37	Dr. Usman Masud	International	2019	Influence of rotating magnetic field on Maxwell saturated ferrofluid flow over a heated stretching	Mechanics & Industry	502	9	W	Published	https://doi. org/10.105 1/meca/20 19022	

				sheet with heat generation/absorp tion,							
38	Dr. Usman Masud	International	2020	Automatization analysis of the extremely sensitive laser-based dual- mode biomedical sensor	Lasers in Medical Science	35	7	1531-1542	W	Published	doi: 10.1007/s1 0103-019- 02945-8
39	Dr. Usman Masud	International	2020	Calibration and stability of highly sensitive fibre based laser through relative intensity noise, IOP Physica Scripta Phys. Scr. 95	Physica Scripta	95	5		W	Published	DOI: 10.1109/JS EN.2021.30 50168 (IF=4.325)
40	Dr. Bilal Aslam	International	2021	Low-profile Magnetically Coupled Dual Resonance Patch Antenna for UHF RFID Applications	International Journal of Electronics and Communications	133	2021		W	Published	DOI: 10.1016/j.a eue.2021.1 53672 (IF=3.88)
41	Dr. Bilal Aslam	International	2019	A Low Profile Miniature RFID Tag Antenna Dedicated to IoT Applications,"	Electromagnetics	39	6		W	Published	DOI: 10.1080/02 726343.20 19.164165 4 (IF=1.099
42	Dr. Bilal Aslam	International	2019	"A High Capacity Tunable Retransmission Type Frequency Coded Chipless RFID System,"	International Journal of RF and Microwave Computed-Aided Engineering	29	6		W	Published	DOI: 10.1002/m mce.21855 (IF=1.987)
43	Dr. Bilal Aslam	International	2017	A Compact Implantable RFID Tag Antenna Dedicated to Wireless Healthcare,"	International Journal of RF and Microwave Computed-Aided Engineering	27	5		W	Published	DOI: 10.1002/m mce.21094 (IF=1.987)
44	Dr. Bilal Aslam	International	2017	"Miniaturized Decoupled Slotted	International Journal of RF and	27	1		W	Published	DOI: 10.1002/m

				Patch RFID Tag Antennas for Wearable Healthcare,"	Microwave Computed-Aided Engineering					mce.21048 (IF=1.987)	
45	Dr. Bilal Aslam	International	2017	A Compact CP RFID Tag Localization Using ToA Technique,"	Radioengineerin g	26	1	W	Published	DOI: 10.13164/r e.2017.014 7 (IF=0.951)	
46	Dr. Khawja Shafique Haider	International	2018	Frequency interval gramians based structure preserving model order reduction for second order systems	Asian Journal of Control			W	Published		
47	Dr. Khawja Shafique Haider	International	2019	Frequency limited Gramians-based structure preserving model order reduction for discrete time second-order systems	International Journal of Control			W	Published		
48	Dr. Khawja Shafique Haider	International	2019	Time-limited Gramians-based model order reduction for second-order form systems	Transactions of the Institute of Measurement and Control	41	8	W	Published		
49	Dr. Khawja Shafique Haider	International	2020	Infinite and Finite Time-Frequency Interval Based Variants of Second-Order Balanced Truncation for Stable and Unstable Systems	IEEE Access			W	Published		
50	Dr. Khawja Shafique Haider	International	2021	Model Reduction Techniques for Unstable Second	IEEJ Transactions on Electrical and Electronics Engineering			W	Published		

				Order-Form Systems						
51	Dr. Khawja Shafique Haider	International	2020	Subspace identification of fault modes for a twin-rotor system	International Journal of Intelligent Unmanned Systems			W	Published	
52	Dr. Khawja Shafique Haider	International	2017	Controller design for performance analysis and optimization of twin rotor system	International Science Journal			W	Published	
53	Dr. Khawja Shafique Haider	International	2020	Accurate Measurement of Gas Concentration Using Apodized Fiber Bragg Grating for Variation in Temperature and Presence of Noise	Sensor Letters			W	Published	
54	Dr. Khawja Shafique Haider	International	2022	Limited Frequency Interval Gramians Based Model Order Reduction of unstable Second Order-form Systems	Journal of Electrical Engineering Technology			W	Published	
55	Dr. Muham mad Faraz	International	2021	Variable-Focus Optoacoustic Lens with Wide Dynamic Range and Long Focal Length by using a Flexible Polymer Nano-Composite Membrane	Ultrasonics	117		W	Published	
56	Dr. Muham mad Faraz	International	2022	Strain-Dependent Photoacoustic Characteristics of Free-Standing CarbonNanocompo site Transmitters	Sensors	22	9	W	Published	

57	Dr. Muham mad Faraz	International	2020	Stretchable and Robust Candle- Soot Nanoparticle- Polydimethylsiloxa ne Composite Films for	Laser-Ultrasound Transmitters, Mi cromachines	11(7)		W	Published	
58	Engr. Muham mad Umar Khan	International	2022	Computer-Aided Diagnosis System for Cardiac Disorders using Variational Mode Decomposition and Novel Cepstral Quinary Patterns	Biomedical Signal Processing and Control, Elsevier			W	Accepted	
59	Engr. Sumair Aziz	International	2022	Intelligent Bearing Faults Diagnosis featuring Automated Relative Energy based Empirical Mode Decomposition and Novel Cepstral Auto-regressive Features	Expert Systems with Applications, Elsevier			W	Accepted	
60	Engr. Sumair Aziz	International	2022	Machine learning- based classification of multiple heart disorders from PCG signals	Expert Systems, Wiley			W	Accepted	
61	Engr. Sumair Aziz	International	2022	Pulse plethysmograph signal analysis method for classification of heart diseases using novel local spectral ternary patterns.	Expert Systems, Wiley	8	39	W	Published	http://dx.doi. org/10.1111/ exsy.13011
62	Engr. Sumair Aziz	International	2022	A two-stage classification model integrating	Multimedia Tools and Applications	81	10	W	Published	https://link.s pringer.com/ article/10.10

				feature fusion for coronary artery disease detection and classification.						07/s11042- 021-10805-3
63	Engr. Sumair Aziz	International	2022	DarkNet-19 Based Intelligent Diagnostic System for Ocular Diseases.	Iranian Journal of Science and Technology, Transactions of Electrical Engineering	1	12	W	Published	http://dx.do i.org/10.100 7/s40998- 022-00514- 4
64	Engr. Sumair Aziz	International	2022	Computer-aided diagnosis of COVID- 19 disease from chest x-ray images integrating deep feature extraction	Expert Systems, Wiley	39	5	W	Published	http://dx.do i.org/10.111 1/exsy.1291 9
65	Engr. Sumair Aziz	International	2021	A novel embedded system design for the detection and classification of cardiac disorders. Computational Intelligence	Computational Intelligence	37	4	W	Published	http://dx.do i.org/10.111 1/coin.1246 9
66	Engr. Sumair Aziz	International	2021	Phonocardiogram signal analysis for classification of Coronary Artery Diseases using MFCC and 1D adaptive local ternary patterns.	Computers in Biology and Medicine	138	104926	W	Published	http://dx.doi. org/10.1016/j .compbiomed .2021.104926
67	Engr. Muham mad Umar Khan	International	2021	Expert hypertension detection system featuring pulse plethysmograph signals and hybrid feature selection and reduction scheme.	Sensors	21	1	W	Published	http://dx.doi. org/10.3390/ s21010247

68	Engr. Muham mad Umar Khan	International	2021	A novel pulse plethysmograph signal analysis method for identification of myocardial infarction, dilated cardiomyopathy, and hypertension.	Turkish Journal of Electrical Engineering and Computer Sciences	29	2	W	Published	http://dx.do i.org/10.390 6/elk-2004- 167
69	Engr. Sumair Aziz	International	2021	Classification of cardiac disorders using 1D local ternary patterns based on pulse plethysmograph signals	Expert Systems, Wiley	38	3	W	Published	http://dx.do i.org/10.111 1/exsy.1266 4
70	Engr. Sumair Aziz	International	2020	Phonocardiogram Signal Processing for Automatic Diagnosis of Congenital Heart Disorders through Fusion of Temporal and Cepstral Features.	Sensors, MDPI	20	13	W	Published	http://dx.do i.org/10.339 0/s2013379 0
71	Engr. Sumair Aziz	International	2020	Marine Mammals Classification using Acoustic Binary Patterns	Archives of Acoustics	45	4	W	Published	http://dx.doi. org/10.24425 /aoa.2020.13 5278
72	Engr. Sumair Aziz	International	2019	Automatic scene recognition through acoustic classification for behavioral robotics	Electronics, MDPI	8	5	W	Published	http://dx.do i.org/10.339 0/electronic s8050483
73	Engr. Sumair Aziz	International	2018	Fall detection through acoustic local ternary patterns	Applied Acoustics, Elsevier	140	5	W	Published	http://dx.do i.org/10.101 6/j.apacoust .2018.06.01 3
74	Engr. Sumair Aziz	International	2018	Sound Recognition Aimed towards Hearing Impaired	Journal of Information Communication			Y	Published	

				Individuals in Urban Environment using Ensemble Methods	Technologies and Robotic Applications						
75	Engr. Sumair Aziz	International	2017	Human heart sounds classification using ensemble methods.	Technical Journal, University of Engineering and Technology Taxila	22	1	Y	Published		
76	Engr. Sumair Aziz	International	2017	Classification of disease in tomato plants' leaf using image segmentation and SVM	Tech. Journal Univ. Eng. Technol	23	2	Υ	Published		Ī

Conferences

Sr.#	Faculty Member	Level (National / International)	Year of Publication	Title	Complete name of Conference	ISBN No	Issue No	Series (e.g. 1st, 2nd, 3rd)	City- Country	Complete Bibliographic Reference (MLA)
					32nd IEEEP					
	Prof. Dr.				National					
	Yaseer				Engineering					
	Arafat				Student					
1	Durrani	National	2017	Design of Efficient Photo-voltaic Cell	Competition					Published
				M. Murtaza, A. Rashid, T. Ullah, F. A.						
				Tahir and S. A. A. Zaidi, "An Angularly						
				Stable Broadband Cross-Polarization						
				Conversion Metasurface," 2019 13th	European					
	Dr. Syed			European Conference on Antennas	Conference on	978-1-				
	Azhar Ali			and Propagation (EuCAP), 2019, pp. 1-	Antennas and	5386-			Krakow,	
2	Zaidi	International	2020	3.	Propagation	8127-5		13	Poland	Published
					Mohammad Ali					
					Jinnah University					
	Dr. Syed				International	978-1-				
	Azhar Ali			A Comparative Survey of LiDAR-SLAM	Conference on	6654-			Karachi,	
3	Zaidi	International	2021	and LiDAR based Sensor Technologies	Computing	2414-1		1	Pakistan	Published
					International					
					Conference on					
					Mechanical,					
	Dr. Khawja				Electronics and					
	Shafique			Techniques for computation of	Computer					
4	Haider	International	2017	frequency limited H-Infinity norm	Engineering				W	Published
					IEEE Asia Pacific					
					Microwave					
				A compact dual-band circularly	Conference					
	Dr. Aamir			polarized asymmetric patch antenna	(APMC), Kuala					
5	Rashid	International	2017	for WLAN applications	Lumpar					Published
	Dr. Aamir			An Angularly Stable Broadband Cross-	IEEE EuCAP 2019					
6	Rashid	International	2019	Polarization Conversion Metasurface	Karakow, Poland.					Published
					1st International					
				A Multi-band Polarization Insensitive	Conference on					
				Metasurface Based Microwave	Microwave,					
	Dr. Aamir			Absorber Using Square and Circular	Antennas &					
7	Rashid	International	2021	Loop with Lumped Elements	Circuits (ICMAC)					Published

1		1			1st International	1				
				A Millimeter-wave Broadband	Conference on					
				Magneto-electric Dipole Antenna	Microwave,					
	Dr. Aamir			Using Complementary Back Reflectors	Antennas &					
8	Rashid	International	2021	and Air-gaps	Circuits (ICMAC)					Published
					18th European	978-3-				
	Dr. Hammad			Nonlinear adaptive control of an	control conference	907144-			Napoli,	
9	Zaki	International	2019	aerial manipulation system	(ECC) IEEE, 2019.	00-8		18th	Italy	Published
					International					
					Conference on					
					Control					
					Engineering &					
					Information	978-1-				
	Dr. Hammad			Control of a hovering quadrotor UAV	Technology (CEIT),	5386-			Istanbul,	
10	Zaki	International	2018	subject to periodic disturbances	pp. 1-8. IEEE, 2018.	7641-7		6th	Turkey	Published
					International					
					Conference on					
					Unmanned Aircraft					
					Systems (ICUAS)	978-1-				
	Dr. Hammad			Trajectory control of a quadrotor	(pp. 533-539).	5090-			Miami,	
11	Zaki	International	2017	using a control allocation approach	IEEE.	4495-5		5th	USA	Published
				A P300 Brain Computer Interface	IEEE Symposium					
				based Intelligent Home Control	Series on					
	Dr. Usman			System using a Random Forest	Computational					
12	Masud	International	2017	Classifie	Intelligence					Published
					3rd International					
					Conference on					
					Emerging Trends in					
				Design of Logistic Air Vehicle (LAV) to	Engineering,					
40	Dr. Usman		2047	avoid Real-time Obstacles in Logistics	Management and					
13	Masud	International	2017	and Biomedics	Sciences.					Published
					Proceedings of					
					IEEE Sensors,					
				Common induced Described Av. 1	Montreal, Canada,					
	D. Dilel			Gamma-induced Degradation Analysis	October 27-30,					
1.4	Dr. Bilal	Intornational	2010	of Commercial Off The Shelve	2019 (Peer					Dublished
14	Aslam	International	2019	Cameras,"	Reviewed)					Published
				Zeba Khanam, Sangeet Saha, Bilal	IEEE Nuclear &					
				Aslam, Xiaojun Zhai, Shoaib Ehsan,	Space Radiation					
	Dr. Bilal			Carlo Cazzaniga, Christopher Frost, Rustam Stolkin, and Klaus McDonald-	Effects Conference (NSREC), San					
15	Aslam	International	2019	Maier, "Modelling Neutron-induced	Antonio, USA, July					Published
15	ASIdIII	International	2019	ivialer, ivioueiling Neutron-maucea	AIILUIIIU, USA, JUIY	1				rubiisiieu

				Degradation in Depth Images of Kinect Sensor",	8-12, 2019 (Peer Reviewed)		
					Proceedings of		
					Single Event Effects		
					(SEE) Symposium		
					Military &		
				Degradation Measurement of	Aerospace		
				Commercial Camera Sensors Under	Programmable		
	Dr. Bilal			Fast Neutron Beamline" Proceedings	Logic Devices		
16	Aslam		2019	of Single Event Effects	(MAPLD)		Published
					2017 IEEE Jordan		
					Conference on		
					Applied Electrical		
					Engineering and		
	Engr. Zohaib				Computing		
	Hassan			Design and simulation of enhanced	Technologies		
17	Naqvi	International	2017	64-bit Vedic multiplier	(AEECT), Jordan		Published
					2018 IEEE 9th		
					Annual		
					Information		
					Technology,		
					Electronics and		
					Mobile		
					Communication		
	Engr. Zohaib			Control system design, analysis &	Conference		
	Hassan			implementation of two wheeled self	(IEMCON),		
18	Naqvi	International	2018	balancing robot (TWSBR)	Canada		Published
					2020 International		
					Conference on		
					Emerging Trends		
	Engr. Zohaib			D. C. CO. L. L. L. L. L.	in Smart		
	Hassan			Detection of Subacute Intestinal	Technologies		
10		Intornational	2020	Obstruction from Surface	(ICETST),		Published
19	Naqvi	International	2020	Electromyography Signatures	Pakistan 2020 International		Published
					Conference on		
					Emerging Trends in Smart		
	Engr. Zohaib			Classification of Coronary Artery			
	Hassan			Diseases using Electrocardiogram	Technologies (ICETST),		
20	Naqvi	International	2020	Signals	Pakistan		Published
20	ivayvi	international	2020	Signais	r akistan		rubiisiieu

21	Engr. Zohaib Hassan Naqvi	International	2020	Pattern Analysis Towards Human Verification using Photoplethysmograph Signals	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan		Published
22	Engr. Zohaib Hassan Naqvi	International	2020	Electricity Theft Detection using Empirical Mode Decomposition and K-Nearest Neighbors	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan		Published
23	Engr. Zohaib Hassan Naqvi	International	2020	Emotion Recognition System using Pulse Plethysmograph	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan		Published
24	Engr. Zohaib Hassan Naqvi	International	2020	Machine Bearing Fault Diagnosis System using Tri-Axial Accelerometer	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey		Published
25	Engr. Zohaib Hassan Naqvi	International	2020	Electrocardiography based System for Characterization of Diabetes	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey		Published
26	Engr. Zohaib Hassan Naqvi	International	2020	Effect of Al-Quran Recitation on Human Physiology	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey		Published
27	Engr. Zohaib Hassan Naqvi	International	2020	Surface Electromyography based Pakistani Sign Language Interpreter	2020 International Conference on Electrical,		Published

	1			1	Communication,	ĺ	ĺ		1
					and Computer				
					Engineering				
					(ICECCE), Turkey				
					2020 International				
					Conference on				
				Classification of Myocardial	Electrical,				
				Infarction using MFCC and Ensemble	Communication,				
	Engr. Zohaib			Subspace KNN	and Computer				
	Hassan			Subspace KININ	Engineering				
28	Naqvi	International	2020		(ICECCE), Turkey				Published
	ivaqvi	IIILEITIALIOIIAI	2020		2020 International	+		+	Publisheu
					Conference on				
				Biometric Authentication based on	Electrical,				
	Engr. Zohaib			EMG Signals of Speech	Communication,				
	_				and Computer				
	Hassan		2222		Engineering				5 1 11 1
29	Naqvi	International	2020		(ICECCE), Turkey				Published
					2020 International				
					Conference on				
				Spectral Analysis of Lungs sounds for	Electrical,				
				Classification of Asthma and	Communication,				
	Engr. Zohaib			Pneumonia Wheezing	and Computer				
	Hassan				Engineering				
30	Naqvi	International	2020		(ICECCE), Turkey				Published
					2020 International				
					Conference on				
				Electrocardiogram based Gender	Electrical,				
				Classification	Communication,				
	Engr. Zohaib			Classification	and Computer				
	Hassan				Engineering				
31	Naqvi	International	2020		(ICECCE), Turkey				Published
					2020 International				
					Conference on				
				Electrocardiography based Biometric	Electrical,				
				Verification System	Communication,				
	Engr. Zohaib			Verification System	and Computer				
	Hassan				Engineering				
32	Naqvi	International	2020		(ICECCE), Turkey				Published
					2020 International				
				Automated Detection and	Conference on				
	Engr. Zohaib			Classification of Multichannel Lungs	Electrical,				
	Hassan			Signals using EMD	Communication,				
33	Naqvi	International	2020		and Computer				Published

					Engineering (ICECCE), Turkey	
34	Engr. Zohaib Hassan Naqvi	International	2020	Pakistani Phrasal Sign Language Classification using Surface Electromyography	2020 International Conference on Computing and Information Technology (ICCIT-1441), KSA	Published
35	Engr. Zohaib Hassan Naqvi	International	2020	Intelligent System for Human Context Recognition	2020 International Conference on Computing and Information Technology (ICCIT-1441), KSA	Published
36	Engr. Zohaib Hassan Nagvi	International	2020	Electrohysterogram based Term and Preterm Delivery Classification System	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), KSA	Published
37	Engr. Zohaib Hassan Naqvi	International	2020	Cardiotocography: An indicator to predict Vaginal and Cesarean Deliveries	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), KSA	Published
38	Engr. Zohaib Hassan Naqvi	International	2020	Vibration Signal Analysis Towards Early Detection of Machine Faults	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), KSA	Published
39	Engr. Zohaib Hassan Naqvi	International	2020	Emotion Recognition System featuring a fusion of Electrocardiogram and Photoplethysmogram Features	2020 14th International Conference on Open Source	Published

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					Systems and		
					Technologies		
					(ICOSST),		
					Pakistan		
				An Automated System for	MDPI Sensors,		
	Engr. Zohaib			Classification of Chronic Obstructive	November 2020		
	Hassan			Pulmonary Disease and Pneumonia			
40	Naqvi	International	2020	Patients Using Lung Sound Analysis	(IF: 3.275)		Published
					International		
					Conference on		
					Electrical,		
					Communication,		
					and Computer		
	Fnar						
	Engr.)	Engineering		
	Muhammad			Wearable Scene Classification System	(ICECCE), Istanbul,		
41	Atif Imtiaz	International	2020	for Visually Impaired Individuals	Turkey		Published
					International		
					Conference on		
					Electrical,		
					Communication,		
					and Computer		
	Engr.			"Detection of Acute Coronary	Engineering		
	Muhammad			Syndrome using Electrocardiogram	(ICECCE), Istanbul,		
42	Atif Imtiaz	International	2020	Signal Analysis	Turkey		Published
42	Atii iiiitiaz	IIILEITIALIOIIAI	2020	Signal Analysis	· · · · · · · · · · · · · · · · · · ·		Published
					International		
					Conference on		
					Electrical,		
					Communication,		
					and Computer		
	Engr.				Engineering		
	Muhammad			Machine Bearing Fault Diagnosis	(ICECCE), Istanbul,		
43	Atif Imtiaz	International	2020	System using Tri-Axial Accelerometer	Turkey		Published
5					International		
					Conference on		
					Electrical,		
					Communication,		
					and Computer		
	Engr.				Engineering		
	Muhammad			"Biometric Authentication based on	(ICECCE), Istanbul,		
44	Atif Imtiaz	International	2020	EMG Signals of Speech	Turkey		Published
	Engr.				International		
	Muhammad			Detection of Myocardial Infarction	Conference on		
45	Atif Imtiaz	International	2019	using Pulse Plethysmograph Signals	Frontiers of		Published
	, ten militaz	ci national	2013	asing raise ricarysinograph signals	1.01161615 01	<u> </u>	1 dononed

					Information	1	1
					Technology (FIT),		
					Islamabad		
					International		
					Conference on		
					Power Generation		
					Systems and		
					Renewable Energy		
	Engr.			"System Design for Early Fault	Technologies		
	Muhammad			Diagnosis of Machines using Vibration	(PGSRET), Istanbul,		
46	Atif Imtiaz	International	2019	Features	Turkey		Published
46	Atii iiiitidz	international	2019	reatures	IEEE 9th Annual		Published
					Information		
					Technology,		
					Electronics and		
					Mobile		
	_				Communication		
	Engr.			"Control System Design, Analysis &	Conference		
	Muhammad			Implementation of Two Wheeled Self	(IEMCON),		
47	Atif Imtiaz	International	2018	Balancing Robot (TWSBR)	Vancouver		Published
					IEEE 9th Annual		
					Information		
					Technology,		
					Electronics and		
					Mobile		
					Communication		
	Engr.				Conference		
	Muhammad			Embedded System Design for Visual	(IEMCON),		
48	Atif Imtiaz	International	2018	Scene Classification	Vancouver		Published
	Engr. Sumair	International	2018	Embedded System Design for Visual	IEEE 9th Annual		
	Aziz			Scene Classification	Information		
					Technology,		
					Electronics and		
					Mobile		
					Communication		
					Conference		
					(IEMCON),		
49					Vancouver		Published
	Engr.	International	2020	Classification of Myocardial	International		
	Muhammad			Infarction using MFCC and	Conference on		
	Umar Khan			Ensemble Subspace KNN	Electrical,		
50					Communication,		Published

1					and Computer			
					Engineering			
					(ICECCE)			
1	Engr.	International	2020	Detection of Acute Coronary	International			
1	Muhammad			Syndrome using Electrocardiogram	Conference on			
1	Umar Khan			Signal Analysis.	Electrical,			
1					Communication,			
1					and Computer			
1					Engineering			
51					(ICECCE)			Published
	Engr.	International	2020	Electrocardiogram based Gender	International			
1	Muhammad			Classification.	Conference on			
1	Umar Khan				Electrical,			
1					Communication,			
1					and Computer			
1					Engineering			
52					(ICECCE)			Published
	Engr.	International	2020	Biometric System using PCG Signal	International			
1	Muhammad			Analysis: A New Method of Person	Conference on			
1	Umar Khan			Identification	Electrical,			
1					Communication,			
1					and Computer			
					Engineering			Published
53	F	lata anatia a al	2020	Effect of Al Occurs Booktation on	(ICECCE) International			Published
	Engr.	International	2020	Effect of Al-Quran Recitation on				
1	Muhammad			Human Physiology	Conference on Electrical,			
1	Umar Khan				Communication,			
1					and Computer			
1					Engineering			
54					(ICECCE)			Published
	Engr.	International	2020	Biometric Authentication based on	International			1 dollored
1	Muhammad	memational	2020	EMG Signals of Speech	Conference on			
1	Umar Khan			Livio digitals of speceli	Electrical,			
	Omai Kilan				Communication,			
					and Computer			
1					Engineering			
55					(ICECCE)			Published
	Engr.	International	2020	Classification of Coronary Artery	International			
1	Muhammad			Diseases using Electrocardiogram	Conference on			
1	Umar Khan			Signals	Emerging Trends in			
1					Smart			
1					Technologies			
56	i	i l		I control of the cont	(ICETST) IEEE	i I	i	Published

	Engr.	International	2020	Pattern Analysis Towards Human	International		
	Muhammad			Verification using	Conference on		
	Umar Khan			Photoplethysmograph Signals	Emerging Trends in		
					Smart		
					Technologies		
57					(ICETST) IEEE		Published
	Engr.	International	2020	IoT and Wireless Sensor Network	International		
	Muhammad			based Autonomous Farming Robot.	Conference on		
	Umar Khan			_	Emerging Trends in		
					Smart		
					Technologies		
58					(ICETST) IEEE		Published
	Engr.	International	2020	Detection of Subacute Intestinal	International		
	Muhammad			Obstruction from Surface	Conference on		
	Umar Khan			Electromyography Signatures	Emerging Trends in		
				, , , , ,	Smart		
					Technologies		
59					(ICETST) IEEE		Published
	Engr.	International	2019	Detection of Myocardial Infarction	2019 International		
	Muhammad			using Pulse Plethysmograph Signals	Conference on		
	Umar Khan				Frontiers of		
					Information		
					Technology (FIT)		
60					IEEE		Published
	Engr.	International	2019	Biometric Authentication System	13 th International		
	Muhammad			Based on Electrocardiogram (ECG)	Conference on		
	Umar Khan				Mathematics,		
					Actuarial Science,		
					Computer Science		
					and Statistics		
61					(MACS) IEEE 2019		Published
	Engr.	International	2019	Prediction of Acute Coronary	4th International		
	Muhammad			Syndrome Using Pulse	Conference on		
	Umar Khan			Plethysmograph	Emerging Trends in		
					Engineering,		
					Sciences and		
					Technology		
62					(ICEEST) IEEE.		Published
	Engr.	International	2019	Characterization of term and preterm	IEEE 10th Annual		
	Muhammad			deliveries using electrohysterograms	Information		
	Umar Khan			signatures	Technology,		
63					Electronics and		Published

1					Mobile		1
					Communication		
					Conference		
					(IEMCON) – IEEE		
	Engr.	International	2019	Classification of EMG Signals for	2019 International		
	Muhammad		_0_0	Assessment of Neuromuscular	Conference on		
	Umar Khan			Disorder using Empirical Mode	Applied and		
				Decomposition and Logistic	Engineering		
				Regression	Mathematics		
64				1106. 000.011	(ICAEM) IEEE		Published
<u> </u>	Engr.	International	2019	System Design for Early Fault	International		1 43.151.04
	Muhammad	international	2015	Diagnosis of Machines using Vibration	Conference on		
	Umar Khan			Features.	Power Generation		
				. 64.64.65.	Systems and		
					Renewable Energy		
					Technologies		
65					(PGSRET) IEEE		Published
	Engr. Sumair	International	2017	A framework for fall detection of	IEEE International		
	Aziz			elderly people by analyzing	Conference on		
	7 12.12			environmental sounds through	Systems, Man, and		
				acoustic local ternary patterns	Cybernetics (SMC),		
66				, passesses	Canada		Published
	Engr. Sumair	International	2018	Vision Based Autonomous Runway	International		
	Aziz			Identification and Position Estimation	Conference on		
				for UAV Landing	Artificial		
				, and the second	Intelligence and		
					Data Processing		
67					(IDAP), Turkey		Published
	Engr. Sumair	International	2018	Embedded System Design for Visual	2018 IEEE 9th		
	Aziz			Scene Classification	Annual		
					Information		
					Technology,		
					Electronics and		
					Mobile		
					Communication		
					Conference		
68					(IEMCON), Canada		Published
	Engr. Sumair	International	2018	Control System Design, Analysis &	2018 IEEE 9th		
	Aziz			Implementation of Two Wheeled Self	Annual		
				Balancing Robot (TWSBR)	Information		
					Technology,		
69					Electronics and		Published

1					Mobile		
					Communication		
					Conference		
					(IEMCON), Canada		
	Engr. Sumair	International	2019	Classification of EMG Signals for	2019 International		
	_	IIILerriational	2019				
	Aziz			Assessment of Neuromuscular	Conference on		
				Disorder using Empirical Mode	Applied and		
				Decomposition and Logistic	Engineering		
				Regression	Mathematics		
70					(ICAEM), Pakistan		Published
	Engr. Sumair	International	2019	Characterization of term and preterm	2019 IEEE 10th		
	Aziz			deliveries using electrohysterograms	Annual		
				signatures	Information		
					Technology,		
					Electronics and		
					Mobile		
					Communication		
					Conference		
71					(IEMCON), Canada		Published
	Engr. Sumair	International	2019	ECG-based Biometric Authentication	2019 IEEE 10th		
	Aziz			using Empirical Mode Decomposition	Annual		
				and Support Vector Machines	Information		
					Technology,		
					Electronics and		
					Mobile		
					Communication		
					Conference		
72					(IEMCON), Canada		Published
72	Engr. Sumair	International	2019	Image Pattern Classification for Plant	2019 IEEE 10th		1 ubiisilea
	Aziz	international	2013	Disease Identification using Local Tri-	Annual		
	7414			directional Features	Information		
				un ectional reatures			
					Technology,		
					Electronics and		
					Mobile		
					Communication		
					Conference		
73					(IEMCON), Canada		Published
	Engr. Sumair	International	2019	System Design for Early Fault	2019 International		
	Aziz			Diagnosis of Machines using Vibration	Conference on		
				Features	Power Generation		
					Systems and		
74					Renewable Energy		Published

					Technologies (PGSRET), Turkey		
	Engr. Sumair	International	2019	Detection of Dilated Cardiomyopathy	2019 22nd		
	Aziz			using Pulse Plethysmographic Signal	International		
				Analysis	Multitopic		
					Conference		
75					(INMIC), Pakistan		Published
	Engr. Sumair	International	2019	Automated Detection and	2019 22nd		
	Aziz			Classification of Gastrointestinal	International		
				Diseases using surface-EMG Signals	Multitopic		
					Conference		
76					(INMIC), Pakistan		Published
	Engr. Sumair	International	2019	Prediction of Acute Coronary	2019 4th		
	Aziz			Syndrome Using Pulse	International		
				Plethysmograph	Conference on		
					Emerging Trends in		
					Engineering,		
					Sciences and		
					Technology		
77					(ICEEST), Pakistan		Published
	Engr. Sumair	International	2019	An Automated System towards	2019 13th		
	Aziz			Diagnosis of Pneumonia using	International		
				Pulmonary Auscultations	Conference on		
					Mathematics,		
					Actuarial Science,		
					Computer Science		
					and Statistics		
78					(MACS), Pakistan		Published
	Engr. Sumair	International	2019	Biometric Authentication System	2019 13th		
	Aziz			Based on Electrocardiogram (ECG)	International		
					Conference on		
					Mathematics,		
					Actuarial Science,		
					Computer Science		
					and Statistics		
79					(MACS), Pakistan		Published
	Engr. Sumair	International	2019	Electromyography (EMG) Data-Driven	2019 International		
	Aziz			Load Classification using Empirical	Conference on		
				Mode Decomposition and Feature	Frontiers of		
80				Analysis	Information		Published

					Technology (FIT), Pakistan		
	Engr. Sumair Aziz	International	2019	Detection of Myocardial Infarction using Pulse Plethysmograph Signals	2019 International Conference on Frontiers of Information		
81					Technology (FIT), Pakistan		Published
	Engr. Sumair Aziz	International	2020	Detection of Subacute Intestinal Obstruction from Surface Electromyography Signatures	2020 International Conference on Emerging Trends in Smart		
					Technologies		
82	Engr. Sumair	International	2020	IoT and wireless sensor network	(ICETST), Pakistan 2020 International		Published
	Aziz	IIICEIIIacionai	2020	based autonomous farming robot	Conference on		
					Emerging Trends in Smart		
					Technologies		
83					(ICETST), Pakistan		Published
	Engr. Sumair	International	2020	Classification of Coronary Artery	2020 International		
	Aziz			Diseases using Electrocardiogram	Conference on		
				Signals	Emerging Trends in		
					Smart		
84					Technologies		Published
04	Engr. Sumair	International	2020	Pattern Analysis Towards Human	(ICETST), Pakistan 2020 International		Publisheu
	Aziz	international	2020	Verification using	Conference on		
	ALIZ			Photoplethysmograph Signals	Emerging Trends in		
				- metericanyomegraph enginane	Smart		
					Technologies		
85					(ICETST), Pakistan		Published
	Engr. Sumair	International	2020	Pattern Analysis for Classification of	2020 International		
	Aziz			Power Quality Disturbances	Conference on		
					Emerging Trends in		
					Smart		
					Technologies		
86					(ICETST), Pakistan		Published
	Engr. Sumair	International	2020	Electricity Theft Detection using	2020 International		
0.7	Aziz			Empirical Mode Decomposition and K-	Conference on		Dublish s d
87				Nearest Neighbors	Emerging Trends in		Published

	1				Smart		
					Technologies		
					(ICETST), Pakistan		
	Engr. Sumair	International	2020	Emotion Recognition System using	2020 International		
	Aziz			Pulse Plethysmograph	Conference on		
				, and a real factor of the fac	Emerging Trends in		
					Smart		
					Technologies		
88					(ICETST), Pakistan		Published
	Engr. Sumair	International	2020	Metabolic evaluation of brain tumor	Materials Today:		
	Aziz			using magnetic resonance	Proceedings		
				spectroscopy	(Elsevier), June		
89				,	2020		Published
	Engr. Sumair	International	2020	Machine Bearing Fault Diagnosis	2020 International		1 33333
	Aziz		- -	System using Tri-Axial Accelerometer	Conference on		
				.,	Electrical,		
					Communication,		
					and Computer		
					Engineering		
90					(ICECCE), Turkey		Published
	Engr. Sumair	International	2020	Wearable Scene Classification System	2020 International		
	Aziz			for Visually Impaired Individuals	Conference on		
				, , ,	Electrical,		
					Communication,		
					and Computer		
					Engineering		
91					(ICECCE), Turkey		Published
	Engr. Sumair	International	2020	Electrocardiography based System for	2020 International		
	Aziz			Characterization of Diabetes	Conference on		
					Electrical,		
					Communication,		
					and Computer		
					Engineering		
92					(ICECCE), Turkey		Published
	Engr. Sumair	International	2020	Effect of Al-Quran Recitation on	2020 International		
	Aziz			Human Physiology	Conference on		
					Electrical,		
					Communication,		
					and Computer		
					Engineering		
93					(ICECCE), Turkey		Published

	Engr. Sumair	International	2020	Surface Electromyography based	2020 International		İ		
	Aziz			Pakistani Sign Language Interpreter	Conference on				
					Electrical,				
					Communication,				
					and Computer				
					Engineering				
94					(ICECCE), Turkey				Published
	Engr. Sumair	International	2020	Detection of Acute Coronary	2020 International				
	Aziz		2020	Syndrome using Electrocardiogram	Conference on				
	71212			Signal Analysis	Electrical,				
				Jighary analysis	Communication,				
					and Computer				
					Engineering				
95					(ICECCE), Turkey				Published
	Engr. Sumair	International	2020	Biometric Authentication based on	2020 International				Tabilistica
	Aziz	International	2020	EMG Signals of Speech	Conference on				
	71212			Livid Signals of Speceli	Electrical,				
					Communication,				
					and Computer				
					Engineering				
96					(ICECCE), Turkey				Published
30	Engr. Sumair	International	2020	Spectral Analysis of Lungs sounds for	2020 International				Tabilistica
	Aziz	International	2020	Classification of Asthma and	Conference on				
	71212			Pneumonia Wheezing	Electrical,				
				Theamona Wheeling	Communication,				
					and Computer				
					Engineering				
97					(ICECCE), Turkey				Published
37	Engr. Sumair	International	2020	Biometric System using PCG Signal	2020 International	†			- donoried
	Aziz		2020	Analysis: A New Method of Person	Conference on				
	71212			Identification	Electrical,				
					Communication,				
					and Computer				
					Engineering				
98					(ICECCE), Turkey				Published
	Engr. Sumair	International	2020	Electrocardiogram based Gender	2020 International				
	Aziz			Classification	Conference on				
					Electrical,				
					Communication,				
					and Computer				
					Engineering				
99					(ICECCE), Turkey				Published

	Engr. Sumair	International	2020	Electrocardiography based Biometric	2020 International		
	Aziz			Verification System	Conference on		
					Electrical,		
					Communication,		
					and Computer		
					Engineering		
100					(ICECCE), Turkey		Published
	Engr. Sumair	International	2020	Deep Learning-based Automatic	2020 International		
	Aziz			Morphological Classification of	Conference on		
				Leukocytes using Blood Smears	Electrical,		
					Communication,		
					and Computer		
					Engineering		
101					(ICECCE), Turkey		Published
	Engr. Sumair	International	2020	Electrooculugram based	2020 International		
	Aziz			Communication System for People	Conference on		
				with Locked-in-Syndrome	Electrical,		
				·	Communication,		
					and Computer		
					Engineering		
102					(ICECCE), Turkey		Published
	Engr. Sumair	International	2020	ECG Signal Analysis for Classification	2020 International		
	Aziz			of Congenital Heart Defects	Conference on		
				_	Computing and		
					Information		
					Technology (ICCIT-		
103					1441), Saudi Arabia		Published
	Engr. Sumair	International	2020	Pakistani Phrasal Sign Language	2020 International		
	Aziz			Classification using Surface	Conference on		
				Electromyography	Computing and		
					Information		
					Technology (ICCIT-		
104					1441), Saudi Arabia		Published
	Engr. Sumair	International	2020	Intelligent System for Human Context	2020 International		
	Aziz			Recognition	Conference on		
				_	Computing and		
					Information		
					Technology (ICCIT-		
105					1441), Saudi Arabia		Published
	Engr. Sumair	International	2020	Image Pattern Analysis towards	2020 First		
	Aziz			Classification of Skin Cancer through	International		
106				Dermoscopic Images	Conference of		Published

					Smart Systems and				
					Emerging				
					Technologies				
					(SMARTTECH),				
					Saudi Arabia				
	Engr. Sumair	International	2020	Electrohysterogram based Term and	2020 First				
	Aziz	international	2020	Preterm Delivery Classification	International				
	7 12.12			System	Conference of				
				System.	Smart Systems and				
					Emerging				
					Technologies				
					(SMARTTECH),				
107					Saudi Arabia				Published
	Engr. Sumair	International	2020	Cardiotocography: An indicator to	2020 First				
	Aziz		-	predict Vaginal and Cesarean	International				
				Deliveries	Conference of				
					Smart Systems and				
					Emerging				
					Technologies				
					(SMARTTECH),				
108					Saudi Arabia				Published
	Engr. Sumair	International	2020	Vibration Signal Analysis Towards	2020 First				
	Aziz			Early Detection of Machine Faults	International				
					Conference of				
					Smart Systems and				
					Emerging				
					Technologies				
					(SMARTTECH),				
109					Saudi Arabia				Published
	Engr. Sumair	International	2020	A signal analysis approach towards	2020 First				
	Aziz			detection and classification of power	International				
				quality disturbances	Conference of				
					Smart Systems and				
					Emerging				
					Technologies				
					(SMARTTECH),				
110					Saudi Arabia				Published
	Engr. Sumair	International	2020	Vehicle Make and Model Recognition	2020 IEEE 23rd				
	Aziz			using Deep Transfer Learning and	International				
				Support Vector Machines	Multitopic				
					Conference				
111					(INMIC), Pakistan				Published

	Engr. Sumair	International	2020	Emotion Recognition System	2020 14th			
	Aziz			featuring a fusion of	International			
				Electrocardiogram and	Conference on			
				Photoplethysmogram Features	Open Source			
					Systems and			
					Technologies			
112					(ICOSST), Pakistan			Published
	Engr. Sumair	International	2021	Cucumber Leaf Disease Classification	2021 International			1 dollaried
	Aziz	International	2021	using Local Tridirectional Patterns and	Conference on			
	ALIZ			Haralick Features	Artificial			
				Tidialick reacures	Intelligence (ICAI),			
					Islamabad,			
113					Pakistan			Published
113	F., C.,	last a maretic med	2024	C-ftti				Published
	Engr. Sumair	International	2021	Soft computing approach for	2021 International			
	Aziz			classification of complex power	Conference on			
				quality events	Artificial			
					Intelligence (ICAI),			
					Islamabad,			
114					Pakistan			Published
	Engr. Sumair	International	2021	Automatic Classification of	2021 International			
	Aziz			Modulation Schemes under Blind	Conference on			
				Scenario	Artificial			
					Intelligence (ICAI),			
					Islamabad,			
115					Pakistan			Published
	Engr. Sumair	International	2021	Photoplethysmography Based	2021 International			
	Aziz			Detection of Social Stress	Conference on			
					Artificial			
					Intelligence (ICAI),			
					Islamabad,			
116					Pakistan			Published
	Engr. Sumair	International	2021	A Survey on Al-based ECG, PPG, and	2021 International			
	Aziz			PCG Signals Based Biometric	Conference on			
				Authentication System	Computing,			
				,	Electronic and			
					Electrical			
					Engineering (ICE			
117					Cube), Pakistan			Published
	Engr. Sumair	International	2021	Transfer learning-based method for	2021 International			
	Aziz	International	2021	detection of COVID-19 using X-Ray	Conference on			
118	, , , , , ,			Images	Robotics and			Published
110				iiiages	Nobotics and			i uniisiicu

					Automation in Industry (ICRAI)		
	Engr. Sumair	International	2021	Freezing of Gait Detection in	IEEE - 2021		
	Aziz			Parkinson's Disease from	Mohammad Ali		
				Accelerometer Readings	Jinnah University		
					International		
					Conference on		
					Computing		
119					(MAJICC)		Published
	Engr. Sumair	International	2021	Phonocardiogram based Method for	IEEE - 2021		
	Aziz			the Classification of Coronary Artery	Mohammad Ali		
				Diseases	Jinnah University		
					International		
					Conference on		
					Computing		
120					(MAJICC)		Published
	Engr. Sumair	International	2021	Diagnosis of Cardiac Disorders	IEEE - 2021		
	Aziz			Featuring Pulse Plethysmograph	Mohammad Ali		
				Signals	Jinnah University		
					International		
					Conference on		
					Computing		
121					(MAJICC)		Published
	Engr. Sumair	International	2021	Support vector machine-based	IEEE - 2021		
	Aziz			diagnosis of Tuberculosis	Mohammad Ali		
					Jinnah University		
					International		
					Conference on		
					Computing		
122					(MAJICC)		Published
	Engr. Sumair	International	2021	Music Genre Classification using	IEEE - 2021		
	Aziz			Support Vector Machine and	Mohammad Ali		
				Empirical Mode Decomposition	Jinnah University		
					International		
					Conference on		
422					Computing		
123			2022		(MAJICC)		Published
	Engr. Sumair	International	2022	Feature Matching and Deep Learning	2022 International		
124	Aziz			Models for Attitude Estimation on a	Conference on		D. J. P. J.
124				Micro-Aerial Vehicle	Cybernetics and		Published

					Innovations (ICCI), Thailand	
	Engr. Sumair Aziz	International	2022	Multi-Channel EMG Signal analysis for Italian Sign Language Interpretation	2022 International Conference on	
	7.2.2			l l l l l l l l l l l l l l l l l l l	Emerging Trends in	
					Smart	
					Technologies	
125					(ICETST)	Published
	Engr.	International	2021	Cucumber Leaf Disease Classification	IEEE, 2021	
	Muhammad			using Local Tri-directional Patterns	International	
	Umar Khan			and Haralick Features	Conference on	
					Artificial	
					Intelligence (ICAI),	
126					Pakistan	Published
	Engr.	International	2021	Soft computing approach for	IEEE, 2021	
	Muhammad			classification of complex power	International	
	Umar Khan			quality events	Conference on	
					Artificial	
					Intelligence (ICAI),	
127					Pakistan	Published
	Engr.	International	2021	Automatic Classification of	IEEE, 2021	
	Muhammad			Modulation Schemes under Blind	International	
	Umar Khan			Scenario	Conference on	
					Artificial	
					Intelligence (ICAI),	
128			2024		Pakistan	Published
	Engr. Zohaib	International	2021	Detection of Insomnia using	IEEE, 2021	
	Hassan			Electrocardiography and	International	
	Naqvi			Electromyography	Conference on	
					Artificial Intelligence (ICAI),	
129					Pakistan	Published
129	Engr.	International	2020	Cardiotocography: An indicator to	IEEE, 2020	Published
	Muhamma	international	2020	predict Vaginal and Cesarean	International	
	d Umar			Deliveries	Conference of	
	Khan			Deliveries	Smart Systems and	
					Emerging	
					Technologies	
					(SMARTTECH),	
130					Saudi Arabia	Published

	Engr. Sumair	International	2020	A signal analysis approach towards	IEEE, 2020			1
	Aziz			detection and classification of power	International			
				quality disturbances	Conference of			
				,	Smart Systems and			
					Emerging			
					Technologies			
					(SMARTTECH),			
131					Saudi Arabia			Published
	Engr. Sumair	International	2020	Vibration Signal Analysis Towards	IEEE, 2020			
	Aziz			Early Detection of Machine Faults	International			
					Conference of			
					Smart Systems and			
					Emerging			
					Technologies			
					(SMARTTECH),			
132					Saudi Arabia			Published
	Engr.	International	2020	Electrohysterogram based Term and	IEEE, 2020			
	Muhamma	cerriacionar	2020	Preterm Delivery Classification	International			
	d Umar			System	Conference of			
	Khan			System	Smart Systems and			
					Emerging			
					Technologies			
					(SMARTTECH),			
133					Saudi Arabia			Published
100	Engr.	International	2020	Intelligent System for Human Context	IEEE, 2020			T donoried
	Sumair	meemacional	2020	Recognition	International			
	Aziz			necognition	Conference on			
					Computing and			
					Information			
					Technology (ICCIT-			
134					1441), Saudi Arabia			Published
101	Engr.	International	2020	Pakistani Phrasal Sign Language	IEEE, 2020			T donoried
	Muhammad	cernacional	2020	Classification using Surface	International			
	Umar Khan			Electromyography	Conference on			
	Jinai Kilaii				Computing and			
					Information			
					Technology (ICCIT-			
135					1441), Saudi Arabia			Published
133	Engr.	International	2020	ECG Signal Analysis for Classification	IEEE, 2020		+	
	Muhammad	cernational	2020	of Congenital Heart Defects	International			
	Umar Khan			a. congenitar realt percets	Conference on			
136	Jiliai Kilaii				Computing and			Published
130		l			Companing and	1		i ublisticu

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					Technology (ICCIT-			
					1441), Saudi Arabia			
	Engr. Sumair	International	2020	Electrocardiography based Biometric	IEEE, 2020			
	Aziz	International	2020	Verification System	International			
	ALIZ			vermeation system	Conference on			
					Electrical,			.
					Communication,			
					and Computer			
					Engineering			
137					(ICECCE), Turkey			Published
107	Engr.	International	2020	Classification of Myocardial Infarction	IEEE, 2020			1 451151164
	Muhammad	cerriacionar	2020	using MFCC and Ensemble Subspace	International			
	Umar Khan			KNN	Conference on			
	3				Electrical,			
					Communication,			
					and Computer			
					Engineering			
138					(ICECCE), Turkey			Published
	Engr.	International	2020	Detection of Acute Coronary	IEEE, 2020			
	Muhammad			Syndrome using Electrocardiogram	International			
	Umar Khan			Signal Analysis	Conference on			
				,	Electrical,			
					Communication,			
					and Computer			
					Engineering			
139					(ICECCE), Turkey			Published
	Engr.	International	2020	Surface Electromyography based	IEEE, 2020			
	Muhammad			Pakistani Sign Language Interpreter	International			
	Umar Khan				Conference on			
					Electrical,			
					Communication,			
					and Computer			
					Engineering			
140					(ICECCE), Turkey			Published
	Engr. Zohaib	International	2020	Electrocardiography based System for	IEEE, 2020			
	Hassan			Characterization of Diabetes	International			
	Naqvi				Conference on			
					Electrical,			
					Communication,			
141					and Computer			Published

					Engineering (ICECCE), Turkey			
	Engr. Sumair	International	2020	Electrooculugram based	IEEE, 2020			
	Aziz			Communication System for People	International			
				with Locked-in-Syndrome	Conference on			
					Electrical,			
					Communication,			
					and Computer			
					Engineering			
142					(ICECCE), Turkey			Published
	Engr.	International	2020	Electrocardiogram based Gender	IEEE, 2020			
	Muhammad			Classification	International			
	Umar Khan				Conference on			
					Electrical,			
					Communication,			
					and Computer			
					Engineering			
143					(ICECCE), Turkey			Published
	Engr. Zohaib	International	2020	Spectral Analysis of Lungs sounds for	IEEE, 2020			
	Hassan			Classification of Asthma and	International			
	Naqvi			Pneumonia Wheezing	Conference on			
					Electrical,			
					Communication,			
					and Computer			
					Engineering			
144					(ICECCE), Turkey			Published
	Engr. Atif	International	2020	Wearable Scene Classification System	IEEE, 2020			
	Imtiaz			for Visually Impaired Individuals	International			
					Conference on			
					Electrical,			
					Communication,			
					and Computer			
					Engineering			
145	_				(ICECCE), Turkey			Published
	Engr.	International	2020	Machine Bearing Fault Diagnosis	IEEE, 2020			
	Sumair			System using Tri-Axial Accelerometer	International			
	Aziz				Conference on			
					Electrical,			
4.46					Communication,			
146					and Computer			Published

					Engineering (ICECCE), Turkey		
	Engr.	International	2020	Biometric System using PCG Signal	IEEE, 2020		
	Muhamma			Analysis: A New Method of Person	International		
	d Umar			Identification	Conference on		
	Khan				Electrical,		
					Communication,		
					and Computer		
					Engineering		
147					(ICECCE), Turkey		Published
	Engr. Zohaib	International	2020	Effect of Al-Quran Recitation on	IEEE, 2020		
	Hassan			Human Physiology	International		
	Naqvi				Conference on		
					Electrical,		
					Communication,		
					and Computer		
					Engineering		
148					(ICECCE), Turkey		Published
	Engr. Sumair	International	2020	Deep Learning-based Automatic	IEEE, 2020		
	Aziz			Morphological Classification of	International		
149				Leukocytes using Blood Smears	Conference on		Published
					Electrical,		
					Communication,		
					and Computer		
					Engineering		
150					(ICECCE), Turkey		Published
	Engr.	International	2020	Classification of Coronary Artery	IEEE, 2020		
	Muhammad			Diseases using Electrocardiogram	International		
	Umar Khan)			Signals	Conference on		
					Emerging Trends in		
					Smart		
					Technologies		
151					(ICETST), Pakistan		Published
	Engr. Zohaib	International	2020	Emotion Recognition System using	IEEE, 2020		
453	Hassan			Pulse Plethysmograph	International		D. J.P. J.
152	Naqvi				Conference on		Published
					Emerging Trends in		
					Smart		
					Technologies		
153					(ICETST), Pakistan		Published

	Engr. Sumair	International	2020	Electricity Theft Detection using	IEEE, 2020		
	Aziz			Empirical Mode Decomposition and K-	International		
				Nearest Neighbors	Conference on		
					Emerging Trends in		
					Smart		
					Technologies		
154					(ICETST), Pakistan		Published
	Engr. Sumair	International	2020	Pattern Analysis for Classification of	IEEE, 2020		
	Aziz			Power Quality Disturbances	International		
					Conference on		
					Emerging Trends in		
					Smart		
					Technologies		
155					(ICETST), Pakistan		Published
	Engr.	International	2020	Pattern Analysis Towards Human	IEEE, 2020		
	Muhammad			Verification using	International		
	Umar Khan			Photoplethysmograph Signals	Conference on		
				, , , ,	Emerging Trends in		
					Smart		
					Technologies		
156					(ICETST), Pakistan		Published
	Engr.	International	2020	Detection of Subacute Intestinal	IEEE, 2020		
	Muhammad			Obstruction from Surface	International		
	Umar Khan			Electromyography Signatures	Conference on		
				, , , , ,	Emerging Trends in		
					Smart		
					Technologies		
157					(ICETST), Pakistan		Published
	Engr.	International	2019	Detection of Myocardial Infarction	IEEE, 2019		
	Muhammad			using Pulse Plethysmograph Signals	International		
	Umar Khan				Conference on		
					Frontiers of		
					Information		
					Technology (FIT),		
158					Pakistan		Published
	Engr. Sumair	International	2019	An Automated System towards	IEEE, 2019 13th		
	Aziz			Diagnosis of Pneumonia using	International		
				Pulmonary Auscultations	Conference on		
					Mathematics,		
					Actuarial Science,		
159					Computer Science		Published

					and Statistics (MACS), Pakistan			
160	Engr. Muhammad Umar Khan	International	2019	Biometric Authentication System Based on Electrocardiogram (ECG)	IEEE, 2019 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS), Pakistan			Published
161	Engr. Muhammad Umar Khan	International	2019	Prediction of Acute Coronary Syndrome Using Pulse Plethysmograph	IEEE, 2019 4th International Conference on Emerging Trends in Engineering, Sciences and Technology (ICEEST), Pakistan			Published
162	Engr. Muhammad Umar Khan	International	2019	Automated Detection and Classification of Gastrointestinal Diseases using surface-EMG Signals	IEEE, 2019 22nd International Multitopic Conference (INMIC), Pakistan			Published
163	Engr. Muhammad Umar Khan	International	2019	Detection of Dilated Cardiomyopathy using Pulse Plethysmographic Signal Analysis	IEEE, 2019 22nd International Multitopic Conference (INMIC), Pakistan			Published
164	Engr. Muhammad Umar Khan	International	2019	Classification of EMG Signals for Assessment of Neuromuscular Disorder using Emprical Mode Decomposition and Logistic Regression	IEEE, 2019 International Conference on Applied and Engineering Mathematics (ICAEM), Pakistan			Published
165	Engr. Muhammad Umar Khan	International	2019	System Design for Early Fault Diagnosis of Machines using Vibration Features	IEEE, 2019 International Conference on Power Generation Systems and			Published

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