

Research publication 2020-2021

Name of the Dept.	Name of the faculty	Title of the Paper	Journal	Citation Index	Whether Elsevier/Web of Science	Impact factor	Indexed in Scopus/Thompsons & Reuters	Link of the journal in Scopus/Thompsons & Reuters index
			AUGUST, 2020					
BS&H U	Mr. Avishek Chakraborty	Neutrosophic Sets and System			WOS SCOPUS/ ESCI	1.739	SCOPUS/ ESCI /Thompsons & Reuters	http://fs.unm.edu/NSS/
		International Journal of Operation Research			WOS SCOPUS	0.9	SCOPUS/ Thompsons & Reuters	https://www.inderscience.com/jhome.php?jcode=ijor
		Complex & Intelligent System, Springer			WOS SCI, SCOPUS	3.791	SCI, SCOPUS /Thompsons & Reuters	https://www.springer.com/journal/40747
		Neutrosophic Sets and System			WOS SCOPUS/ESCI	1.739	SCOPUS/ ESCI/Thompsons & Reuters	http://fs.unm.edu/NSS/
		Complex & Intelligent System, Springer			WOS SCI, SCOPUS	3.791	SCI, SCOPUS/ Thompsons & Reuters	https://www.springer.com/journal/40747
		Neutrosophic Sets and System			WOS SCOPUS/ESCI	1.739	SCOPUS/ ESCI/Thompsons	http://fs.unm.edu/NSS/

							& Reuters	
		Diagnostics			WOS SCI, SCOPUS	3.12	SCI (Q1), SCOPUS/ Thompso ns & Reuters	https://www.mdpi.com/journal/diagnostics
CSE	Safikureshi Mondal		Journal of Biomedical Informatics	SCI	Elsevier	3.526	SCI, SCIE,	Go to Production in elsevier house
CSE	Shubhendu Banerjee		Diagnostics	SCI	Scopus & Web of Science	3.110	SCI, SCIE	https://mjl.clarivate.com/search-results?issn=2075-4418&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
ECE	Kaushik Sarkar	A Cross- Sectional Study on Central Sensitization and Autonomic Changes in Fibromyalgia	Frontiers in Neuroscience s	Scopus	Web of Science	3.707	Scopus	https://www.frontiersin.org/articles/10.3389/fnins.2020.00788/full
EE	Sudhangshu Sarkar		Journal of The Institution of Engineers (India): Series B Electrical, Electronics & Telecommuni cation and Computer Engineering					Accepted on Dated 30.08.2020 (https://www.springer.com/journal/40031)

				H-Index 8	Springer	0.52	Scopus		
EE	Sudhangshu Sarkar		Sensors and Actuators A: Physical	H-Index 146 Cite Score: 5.2	Elsevier	2.904	SCI & Scopus	https://www.elsevier.com/journals/sensors-and-actuators-a-physical/0924-4247/abstracting-indexing (Communicated on 29th July, 2020&waiting for the first review report)	
EE	Sudhangshu Sarkar		Journal of The Institution of Engineers (India): Series B Electrical, Electronics & Telecommunication and Computer Engineering	H-Index 8	Springer	0.52	Scopus	https://www.springer.com/journal/40031 (Communicated& waiting for first review report)	
EE	Sudhangshu Sarkar		Virus Disease	H- Index 19	Springer	0.990	SCImago Scopus	https://www.springer.com/journal/13337 (Communicated& waiting for the first review report)	
			SEPTEMBER, 2020						
CSE	Dr. Subhram Das	Genomics	SCI	Elsevier	6.205	SCI, Scopus		https://www.sciencedirect.com/science/article/pii/S088875431930638X	

ECE	Dr. Surajit Bari	Estimation of Power and Delay of CMOS Phase Detector and Phase-Frequency Detector Using Nano Dimensional MOS Transistor	IEEE Xplore Conference Proceedings	Scopus			Scopus	https://ieeexplore.ieee.org/document/9179921
EE	Arkendu Mitra	Book Chapter in Electronic Systems and Intelligent Computing (Lecture Notes in Electrical Engineering)	Recently Published	Springer	Recently Published	SCOPUS	https://www.springer.com/gp/book/9789811570308	
IT	Soumya Bhattacharyya	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	N-9681-2016		1.41	Scopus	Communicated & Accepted (August 2020)	
ME	Dr. Bikash Panja	Effect of process parameters on machining EN 47 spring steel through WEDM, Emerging Materials Research	SCI	WoS	0.413	Scopus	https://www.icevirtuallibrary.com/toC/jemmr/9/3	
ECE	Sangita Roy	Hardware Implementation of Image Dehazing Mechanism using Verilog	Conference, 7-9 October 2020					ACCEPTED for presentation in IEEE ASPCON 2020

		HDL and Parallel DCP						
ECE	Ms. Swati Barui	Object grasping classification using K-Nearest Neighbour for enhance dexterity of robotic arm	International Journal of Control and Automation	H Index	Elsevier	-	Scopus	https://www.scopus.com/sourceid/21100197912#tabs=3
ECE	Mr. Kaushik Sarkar	A Cross-Sectional Study on Central Sensitization and Autonomic Changes in Fibromyalgia	Frontiers in Neurosciences	Scopus	Web of Science	3.707	Scopus	https://www.frontiersin.org/articles/10.3389/fnins.2020.00788/full
ECE	Dr.Surajit Bari	Estimation of Power and Delay of CMOS Phase Detector and Phase-Frequency Detector Using Nano Dimensional MOS Transistor	IEEE Xplore Conference Proceedings	Scopus			Scopus	https://ieeexplore.ieee.org/document/9179921
			NOVEMBER, 2020					
EIE	Bansari Deb Majumder		IEEE Transactions in Instrumentation and measurement	Thompsons and Reuters	YES	3.794	YES	https://ieeexplore.ieee.org/document/9272781

ME	Goutam Roy		Crack identification in beam-type structural elements using a piezoelectric sensor.	SCI	WoS	1.424	Scopus	https://doi.org/10.1080/10589759.2020.1843652
			DECEMBER, 2020					
CSE	Safikureshi Mondal	NIT Jamshedpur (Conference publication)	NA	Springer conference	NA		Scopus	
CSE	Shubhendu Banerjee	International Conference (ICCACCS 2020) (Conference publication)	NA	Springer conference	NA		Scopus	
CSE	Chandrima Chakrabarti	International Conference (ICCACCS 2020) (Conference publication)	NA	Springer conference	NA		Scopus	
CSE	Mousumi Saha	International Conference (ICCACCS 2020) (Conference publication)	NA	Springer conference	NA		Scopus	
CSE	Ananya Banerjee	International Conference (ICCACCS 2020) (Conference publication)	NA	Springer conference	NA		Scopus	
CSE	Ananya Banerjee	International Conference (ICCACCS 2020) (Conference publication)	NA	Springer conference	NA		Scopus	
CSE	Ananya Banerjee	International Conference (ICIA 2020) (Conference publication)	NA	NA	NA		Scopus	

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BSHU	Sumit Nandi, Rupa Bhattacharyya	Neem (Azadirachta indica A. Juss.) oil: A source of alternative fuel through enzyme technology	World Scientific News	----	WOS		WOS	February, 2021	http://www.worldscientificnews.com/article-inpress/2021-2/154-2021/
BA	Dr.Sriparna Guha	Relationship between Self-efficacy and Work Performance:	International Journal of Creative Research Thoughts_UGC Approved Journal No: 49023 (18)			7.97		January, 2021	
EE	Dr.NABAMITA BANERJEE ROY	Fault Identification and Determination of Its Location in a HVDC System Based on Feature Extraction and Artificial Neural Network	Journal of the Institution of Engineers (India) Series B (2021).	11	Scimago H-Index maintained by Scopus	0.75	All	11/02/2021	http://link.springer.com/article/10.1007/s40031-021-00541-5
ME	Dr. Bikash Panja	Effect of process parameters on machining EN 47 spring steel through WEDM, Emerging Materials Research		SCI	WoS	0.413	Scopus	1-Oct-20	https://www.icevirtuallibrary.com/toc/jemmr/9/3

ME	Goutam Roy	Crack identification in beam-type structural elements using a piezoelectric sensor.		SCI	WoS	1.424	Scopus	9th November, 2020	https://doi.org/10.1080/10589759.2020.1843652
ME	Goutam Roy	Evaluation and Repair of Cracks on Statically Loaded Beams Using Piezoelectric Actuation		ESCI	WoS	0.4	Scopus	January-March, 2021	https://www.igi-global.com/article/evaluation-and-repair-of-cracks-on-statically-loaded-beams-using-piezoelectric-actuation/266261
BSHU	Avishek Chakraborty	Different linear and non-linear form of neutrosophic numbers, de-neutrosophication techniques and its application in time-cost optimization technique, sequencing problem	RAIRO OPERATIONS RESEARCH	----	SCI/WOS	1.025	SCI	02 March, 2021	https://www.rairo-ro.org/articles/ro/abs/2021/01/ro190161/ro190161.html
EE	Dr.NABAMITA BANERJEE ROY	Book chapter: Investigation and Analysis of Power System Faults with Soft Computational Techniques	Book Title : Automated Software Testing	Not applicable yet as recently published	Springer	NA	Springer	Published in electronic and print format on 04/03/2021 Hardcover ISBN 978-981-15-2454-7	DOI 10.1007/978-981-15-2455-4 eBook ISBN 978-981-15-2455-4

								Softcover ISBN 978-981-15-2457-8 Series ISSN 2524-5503	
EIE	Dr. Dibyendu Sur	Impact of CME and HSSW driven geomagnetic storms on thermosphere and ionosphere as observed from mid-latitudes	Advances in Space Research	10.1016/j.asr.2021.03.027	Elsevier	2.177	Yes	March 2021	https://www.clarivate.com/home
CSE	MD ASHIFUDDIN MONDAL	Smart Parking Management System with Dynamic Pricing	Journal of Ambient Intelligence and Smart Environments	3.8	Web of Science	1.595	Scopus	Accepted for publication	https://www.iospress.nl/journal/journal-of-ambient-intelligence-and-smart-environments/
CSE	Koushik Karmakar	A WBAN based framework for patient health condition monitoring and faulty sensor node identification applying ANN	International Journal of Biomedical and Clinical Engineering (IJBCE)		UGC care listed		UGC care listed	Accepted for publication	
CSE	Koushik Karmakar	IoT Based Secure Healthcare: Challenges, Requirements and Case Study	Book chapter in the Springer book: Internet of Things Based		NA		NA	Accepted for publication	

			Smart Healthcare						
IT	Sujata Kundu	Constraints on Energy–Momentum Squared Gravity from cosmic chronometers and Supernovae Type Ia data	Annals of Physics, Elsevier			2.083	Elsevier	Mar-21	https://doi.org/10.1016/j.aop.2021.168432
ECE	Dr. Saradindu Panda	INTENSIFICATION AND OPTICAL PENETRATION IN PLASMONIC THIN FILM SOLAR CELL BY NANO PARTICLE ON METAL DIELECTRIC SEMICONDUCTOR-PHOTONIC RESPONSE	International Journal of Electronics and Communication Engineering and Technology (IJECET), Volume 12, Issue 1, 2021			1.27	Thomson & Reuters	April, 2021	https://iaeme.com/Home/issue/IJECET?Volume=12&Issue=1
BSHU	Avishek Chakraborty	A New Exponential Operational Law for Trapezoidal Neutrosophic Number and Pollution in Megacities related MCGDM Problem	Journal of Ambient Intelligence and Humanized Computing	-----	SCI/WOS	4.56	SCI	13 May 2021	https://doi.org/10.1007/s12652-021-03223-8
ECE	Sangita Roy	Design and implementation of panic alarm during disaster in extreme situations using Proteus Software	IJARIT, Paper ID: V7I3-1369 (v7i3-1369)					May2021,7(3)	ISSN: 2454-132X

ECE	Sangita Roy	Pothole and object detection with respect to the speed of a vehicle using sensors in Arduino UNO board	IJARIT, Paper ID: V7I3-1369 (v7i31470)					May2021,7(3)	ISSN: 2454-132X
ECE	Sangita Roy	Management System to Minimise Loss of Data and Time Wastage in Library	IJARIT, Paper ID: V7I3-1537					May2021,7(3)	ISSN: 2454-132X
ECE	Dr. Saradindu Panda	The design, analysis, and cost estimation of a generic adder and subtractor using the layered T (LT) logic reduction methodology with a quantum-dot cellular-automata-based approach	Journal of Computational Electronics	18	WoS	1.532	SCI & Scopus	27th May, 2021	https://doi.org/10.1007/s10825-021-01712-9
ECE	Sandhya Pattanayak, Anilesh Dey, Saradindu Panda, Surajit Bari, , Kaushik Sarkar, Pranab Hazra, Soumen Pal, Arpita Santra, Swati Barui, Sangita Roy, Abhijit Ghosh, Puspak Pain, Arnima Das, Moupali Roy, Rimpi Datta	AI and IOT based Smart Irrigation System	Turkish Online Journal of Qualitative Inquiry					May 2021, accepted	https://www.scopus.com/sourcoid/21101019739

ECE	Sangita Roy, Anilesh Dey, Surajit Bari, SandhyaPattanaya k, Kaushik Sarkar, Saradindu Panda, Pranab Hazra, Soumen Pal, Arpita Santra, Swati Barui, Abhijit Ghosh, Puspak Pain, Arnima Das, Moupali Roy, Rimpi Datta	Multi-objective Cuckoo Search in Image Visibility Improvement	Turkish Online Journal of Qualitati ve Inquiry				Scopus	May 2021, accepte d	https://www.scopus.com/sourcereid/21101019739 9
ECE	Kaushik Sarkar, Pranab Hazra, Anilesh Dey, Saradindu Panda, Surajit Bari, Soumen Pal, Arpita Santra, Swati Barui, Sangita Roy, Abhijit Ghosh, Sandhya Pattanayak, Puspak Pain, Arnima Das, Moupali Roy, Rimpi Datta	Detection of word boundary in Bengali colloquial speech based on pitch profile and Convolutional Neural Network	Turkish Online Journal of Qualitati ve Inquiry				Scopus	May 2021, accepte d	https://www.scopus.com/sourcereid/21101019739

ECE	Anilesh Dey, Sangita Roy, Rimpi Datta, Surajit Bari, Sandhya Pattanayak, Kaushik Sarkar, Saradindu Panda, Pranab Hazra, Moupali Roy, Soumen Pal, Arpita Santra, Swati Barui, Abhijit Ghosh, Puspak Pain, Arnima Das	Utilizing Convolutated Neural Networks to predict COVID Infections in Individuals	Turkish Online Journal of Qualitative Inquiry				Scopus	May 2021, accepted	https://www.scopus.com/sourcereid/21101019739
ME	Dr. Bikash Panja	A study on kerf width of EN47 steel in WEDM	Journal of the Association of Engineers, India					May 2021	http://isoholar.info/index.php/JAEI/article/view/205387
ECE	Sandhya Pattanayak, Anilesh Dey, Saradindu Panda, Surajit Bari, , Kaushik Sarkar, Pranab Hazra, Soumen Pal, Arpita Santra, Swati Barui, Sangita Roy, Abhijit Ghosh, Puspak Pain, Arnima Das, Moupali Roy, Rimpi Datta	AI and IOT based Smart Irrigation Syetem	Turkish Online Journal of Qualitative Inquiry				Scopus	JUNE 2021, VOL 12, ISSUE 6	https://www.scopus.com/sourcereid/21101019739

ECE	<p>Sangita Roy, Anilesh Dey, Surajit Bari, SandhyaPattanaya k, Kaushik Sarkar, Saradindu Panda, Pranab Hazra, Soumen Pal, Arpita Santra, Swati Barui, Abhijit Ghosh, Puspak Pain, Arnima Das, Moupali Roy, Rimpi Datta</p>	<p>Multi-objective Cuckoo Search in Image Visibility Improvement</p>	<p>Turkish Online Journal of Qualitati ve Inquiry</p>				Scopus	<p>JUNE 2021, VOL 12, ISSUE 6</p>	<p>https://w ww.scopu s.com/sou rcid/211 01019739 9</p>
ECE	<p>Kaushik Sarkar, Pranab Hazra, Anilesh Dey, Saradindu Panda, Surajit Bari, Soumen Pal, Arpita Santra, Swati Barui, Sangita Roy, Abhijit Ghosh, Sandhya Pattanayak, Puspak Pain, Arnima Das, Moupali Roy, Rimpi Datta</p>	<p>Detection of word boundary in Bengali colloquial speech based on pitch profile and Convolutional Neural Network</p>	<p>Turkish Online Journal of Qualitati ve Inquiry</p>				Scopus	<p>JUNE 2021, VOL 12, ISSUE 6</p>	<p>https://w ww.scopu s.com/sou rcid/211 01019739</p>

ECE	Anilesh Dey, Sangita Roy, Rimpi Datta, Surajit Bari, Sandhya Pattanayak, Kaushik Sarkar, Saradindu Panda, Pranab Hazra, Moupali Roy, Soumen Pal, Arpita Santra, Swati Barui, Abhijit Ghosh, Puspak Pain, Arnima Das	Utilizing Convolutd Neural Networks to predict COVID Infections in Individuals	Turkish Online Journal of Qualitati ve Inquiry				Scopus	JUNE 2021, VOL 12, ISSUE 6	https://w ww.scopu s.com/sou rceid/211 01019739
ECE	Moupali Roy, Rimpi Datta, Abhijit Ghosh and Arnima Das, Puspak Pain	DESIGN OF SMART GARBAGE DISPOSAL AND COLLECTION SYSTEM	Journal					30 th June- 2021	
ECE	Rimpi Datta, Puspak Pain, Arnima Das, Saradindu Panda	Highly Precise Wire Feeder & Cutter Machine with Stepper Motor Using Atmega32 Microcontroller	JETIR Journal					28 th June- 2021	
ECE	Abhijit Ghosh, Sangita Roy, Swati Barui, Arpita Santra, Soumen Pal, Sandhya Pattanayak	Heteroscedasticity and Data Smoothing	JETIR Journal					28 th June- 2021	

ECE	Sangita Roy Swati Barui, Arpita Santra Soumen Pal Sangita Roy and Sandhya Pattanayak	Study Of Basic Radio Network Controller Networking System Using Qualnet Software	IJRSR journal					29 th June-2021	
ECE	Moupali Roy, Sangita Roy, Pranab Hazra, Surajit Bari, Kaushik Sarkar, Anilesh Dey	Parametric Evaluation of Guided Image Filter with Window Size	JETIR Journal					28 th June-2021	
ECE	Pranab Hazra, Surajit Bari, Kaushik Sarkar, Anilesh Dey, Saradindu Panda	Agglomeration Of Arsenic Link To Rain Water Harvesting In West Bengal Considering Population As Function	JETIR Journal					June 2021, vol8 issue 6	