

Journal publications

2021-2022

ECE

Name Of Faculty	Title Of Paper	Name Of Journal	ISSN Number/DOI	Link To Paper	Indexed In
Anilesh Dey	How To Realize The Effect Of Kundalini Yoga And Chinese Chi Meditation On The Hrv And Ans With Gan Rchitecture? 'Hrv-Gan': An Alternative Approach	Biomedical Signal Processing And Control	Elsevier , ISSN 1746-8094 Https://Doi.Org/10.1016/J.Bspc.2022.103822	Https://Doi.Org/10.1016/J.Bspc.2022.103822.	Scopus
Kaushik Sarkar, Surajit Bari, Pranab Hazra, Dr. Anilesh Dey,	A Deep Learning Approach To Detect, Classify And Localize Breast Cancer	Xi'an Shiyoudax uexuebao (Zirankexu e Ban)/ Journal Of Xi'an Shiyou University, Natural Sciences Edition	ISSN: 1673-064x/2022, Doi: 10.17605/Osf.Io/P9ae	Doi:10.17605/Osf.Io/P9ae	Scopus

Moupali Roy, Arnima Das, , Anilesh Dey	Domain For Hrv While Performing Graded Cycling Exercise Detrended Fractal Analysis Of Dynamics In Non-Linear	Xi'an Shiyoud Axuexuebao (Ziranxue Ban)/ Journal Of Xi'an Shiyoud University, Natural Sciences Edition Ivof: 65 , Issue 05 2022	Ssn: 1673-064x, Doi:10.17605/Osf.Io/6c47d	https://Xianshiyoudaxuexuebao.Com/Detail.PHp?Id=Doi:10.17605/Osf.Io/6c47d	Scopus
Anilesh Dey, Kaushik, Sarkar, Surajitbari, Sangita Roy	Severe Congestive Heart Failure Detection Using Heartgan: A Deep Learning Approach	Xi'an Shiyoud Axuexue Bao (Ziranxue Ban)/ Journal Of Xi'an Shiyoud University, Natural Sciences Edition	1673-064x , Doi:10.17605/Osf.Io/Tx5k8	https://Xianshiyoudaxuexuebao.Com/Detail.PHp?Id=Doi:10.17605/Osf.Io/Tx5k8	Scopus
Sangita Roy, Sandhya Pattanayak Pranab Hazra, Kaushik Sarkar, Surajit Bari, Abhijit Ghosh, Anilesh Dey	Low Light Image Dehazing (Llid)	Xi'an Shiyoud Axuexue Bao (Ziranxue Ban)/ Journal Of Xi'an Shiyoud University, Natural Sciences Edition	ISSN: 1673-064x 2022, Doi:10.17605/Osf.Io/Veqck	https://Xianshiyoudaxuexuebao.Com/Detail.PHp?Id=Doi:10.17605/Osf.Io/Veqck	Scopus

<p>Anilesh Dey, Surajit Bari, Pranab Hazra, Arpita Barnam Santra, Arnima Das, Sandhya Pattanayak Anilesh Dey</p>	<p>Diabetic Retinopathy Detection Using Foreseegan: A Deep Learning Approach</p>	<p>Xi'an Shiyoud Axuexue Bao (Ziranxue Ban)/ Journal Of Xi'an Shiyoud University, Natural Sciences Edition</p>	<p>ISSN: 1673-064x 2022, Doi:10.17605/Osf.Io/E37gT</p>	<p>https://Xianshiyoudaxuexuebao.com/Detail.PHp?Id=Doi:10.17605/Osf.Io/E37gt</p>	<p>Scopus</p>
<p>Soumen Pal, Surajit Bari, Anilesh Dey, Sangita Roy, Sandhya Pattanayak, Kaushik Sarkar</p>	<p>Analysis And Estimation Of Average Power Consumption & Speed Of A Prototype Circuit Based On A Sum Of Product Function For The Design Of Integrated Circuits</p>	<p>Xi'an Shiyoud Axuexue Bao (Ziranxue Ban)/ Journal Of Xi'an Shiyoud University, Natural Sciences Edition</p>	<p>1673-064x, Doi:10.17605/Osf.Io/Qfn4S</p>	<p>https://Xianshiyoudaxuexuebao.com/Detail.PHp?Id=Doi:10.17605/Osf.Io/Qfn4s</p>	<p>Scopus</p>
<p>Arpita Barman Santra</p>	<p>On Some Studies Of Micro-Strip Patch Antenna For Bio-Medical Applications</p>	<p>Computational Advancement In Communication, Circuits And Systems</p>	<p>Isbn 978-981-33-6914-6 Doi: https://doi.org/10.1007/978-981-33-6915-3_25</p>	<p>Isbn 978-981-33-6914-6</p>	<p>Scopus</p>

Pranab Hazra, Ankit Singh, Moupali Roy, Abhijit Ghosh	Road Detection And Segmentation Using Opencv	Journal Of Positive School Psychology	Issn: 2717-7564, Doi:10.17605/Osf.Io/P9aem	https://Journal.alppw.com/index.php/jps/article/view/4261	Scopus
Kaushik Sarkar, Jishnu Roychowdhury, Tathagata Sarkar, Surajit Bari, Pranab Hazra And Dr. Anilesh Dey	B-Cir U-Net: A Deep Learning Approach To Detect, Classify And Localize Breast Cancer	Xi'an Shiyou Daxue Xuebao	1673-064x, Doi:10.17605/Osf.Io/P9aem	https://xian.shiyoudaxue.xuebao.com/detail.php?id=doi:10.17605/osf.io/p9aem	Scopus
Dr. Swastika Chakraborty, Pooja Verma, Bishal Paudel, Saurabh Das	Modeling Of Ka-Band Slant Path Rain Attenuation For Hilly Tropical Region	Advances In Space Research Volume 70, Issue 3, 1 August 2022, Pages 601-609	10.1016/J.Asr.2022.05.002, 10.1016/J.Asr.2022.05.002	https://www.sciencedirect.com/science/article/abs/pii/S0273117722003490	Sci
Dr. Sangita Roy	Single Image Dncnn Visibility Improvement (Simdncnnvi)	National Research Nuclear University "Mephi", Russia	10.26583/Sv.14.3.07	https://www.scopus.com/sourceid/21100244604	Scopus

Arnima Das, Pallav Dutta, Ananya Banerjee, Moupali Roy, Bansibadan Maji, Anilesh Dey	Detrended Fractal Analysis Of Dynamics In Non-Linear Domain For Hrv While Performing Graded Cycling Exercise	Xi'an Shiyoudax uexuebao (Ziranxexu e Ban)/	ISSN:1 673-064x, Doi 10.17605/Osf.I o/6c47d	https://Www .Scimagojr.C om/Journalse arch.Php?Q= Journal+Of+ Xi%27an+Sh iyou+Univer sity%2c+Nat ural+Science s+Edition	Scopus
Swati Barui, Pritam Chakraborty , Achintya Das , Biswarup Neogi	Global Stability Analysis Of Mechanical Prosthetic Finger Adaptive Control	Romanian Journal Of Information Technology And Automatic Control	1220-1758, https:// Doi.Or g/10.33 436/V3 2i1y202 203	https://Mjl.C larivate.Com/ Search- Results	Web Of Science
Swati Barui, Swati Chowdhuri, Sagnik Mondal , Sourav Mandal , Biswarup Neogi	Sensing A Physical Object Gripping Using Haptic Technology And Machine Learning Algorithms	Romanian Journal Of Information Technology And Automatic Control	1220-1758, https:// Doi.Or g/10.33 436/V3 2i2y202 207	https://Mjl.C larivate.Com/ Search- Results	Web Of Science
Pranab Hazra	Hand Posture To Text And It's Implementation With Computer Vision	Journal Of Positive School Psychology		https://Journ alppw.Com/I ndex.Php/Jps p/Article/Vie w/4265	Yes (Scopus Indexed)

Moupali Roy	Analytical Study On Indian Railway Network:Anti Collision System	International Journal Of Scientific Engineering And Applied Science (Ijseas) – Volume-7, Issue-9	ISSN: 2395-3470		Yes, If 5.509
Moupali Roy	Counter To Avoid Gathering Situation In A Place During (Covid-19)	International Journal Of Scientific Engineering And Applied Science (Ijseas) – Volume-7, Issue-9	ISSN: 2395-3470		Refeered Journal
Sangita Roy, Amit Nigam	Iot Based Pothole Recognition Framework	International Journal Of Advance Research, Ideas And Innovations In Technology)	ISSN: 2454-132x		Refeered Journal
Sangita Roy, Arnima Das, Arpita Santra	Door Lock Using Arduino Motion Detector By Pir Sensor	International Journal Of Advance Research, Ideas And Innovations In Technology)	ISSN: 2454-132x		Refeered Journal

Sangita Roy	Smart Pothole Detection System Using Crowd Sourcing	International Journal Of Advance Research, Ideas And Innovations In Technology)	ISSN: 2454-132x		Refeered Journal
Sangita Roy, Arnima Das, Arpita Santra	Renewable Energy: A Solution In Modern Era For Energy Sector	International Journal Of Research Publication And Reviews (Ijrpr)	Www.Ijrpr.Com ISSN 2582-7421		Refeered Journal
Sangita Roy, Arnima Das, Arpita Santra	Smoke Detector In Industries Using Arduino	International Journal Of Research Publication And Reviews (Ijrpr)	Www.Ijrpr.Com ISSN 2582-7421		Refeered Journal
Sangita Roy	Pothole Detection System Using Yolo Algorithm	International Research Journal Of Modernization In Engineering Technology And Science (Irmjts)	Http://Www.Irmjts.Com		Refeered Journal
Pranab Hazra	Dynamic Blood Bank Management System(Dbbms)"	International Journal Of Research Publication And Reviews (Ijrpr)	Https://Ijrpr.Com/Uploads/V3issue5/Ijrpr4049.Pdf		Refeered Journal

Dr. Sandhya Pattanayak	Ijariit Journal	Smart Garbage Bin	Smart Garbage Bin	https://www.ijariit.com/Manuscript/Smart-Garbage-Bin/	
Dr. Sandhya Pattanayak	Sensor Based Automatic Smart Medicine Dispensing Box	Journal Of Emerging Technologies And Innovative Research (Jetir),		https://www.jetir.org/view?Paper=Jetir2206062	
Abhijit Ghosh	Fake News Detection Using Machine Learning	Journal Of Emerging Technologies And Innovative Research (Jetir)	ISSN-2349-5162	https://www.jetir.org/view?Paper=Jetir2205978	
Rimpi Datta	Virtual Personal Assistance The Use Of Python	Journal Of Emerging Technologies And Innovative Research, Volume 9 Issue 5 May-2022 EISSN: 2349-5162	ISSN-2349-5162	https://www.jetir.org/view?Paper=Jetir2205b09	

Rimpi Datta	College Management System Using Python Programming	Journal Of Emerging Technologies And Innovative Research, Volume 9 Issue 5 , May-2022. (ISSN : 2349-5162)	ISSN-2349-5162	https://www.jetir.org/view?paper=Jetir2205671	
Rimpi Datta	Smart Door Lock With Yolo-Lite Arduino Motion Detector By Pir Sensorface Mask Detection	Journal Of Emerging Technologies And Innovative Research, Volume 9 Issue 5 , May-2022. (ISSN : 2349-5162)	ISSN-2349-5162	https://www.jetir.org/papers/Jetir2205372.Pdf	
Sangita Roy, Rimpi Datta, Anusree Mandal	Advance Door Lock With Face Mask Detection Using Arduino Motion Detector By Pir Sensor And Yolo-Lite	International Journal Of Advance Research, Ideas And Innovations In Technology	2454-132x	https://www.ijariit.com/manuscript/advance-door-lock-with-face-mask-detection-using-arduino-motion-detector-by-pir-sensor-and-yolo-lite/	

Arpita Santra, Arnima Das, Sangita Roy	Journal Of Emerging Technologies And Innovative Research	Design Of Microstrip Antenna For Wireless Communication	ISSN-2349-5162	https://www.jetir.org/view?Paper=Jetir2206174	
Rimpi Datta	Smart Traffic Lighting System	Journal Of Emerging Technologies And Innovative Research, April 2022, Volume 9, Issue 4	ISSN-2349-5162	https://www.jetir.org/view?Paper=Jetir2204455	
Rimpi Datta	Fire Fighter Bot: An Autonomous Robot	Journal Of Emerging Technologies And Innovative Research, April 2022, Volume 9, Issue 4	ISSN-2349-5162	https://www.jetir.org/papers/Jetir2204105.Pdf	
Dr.Surajit Bari	Design Of Cmos Circuit Based On Nand Function At 150nm Channel Length For Low-Power And High-Speed Ic Fabrication	International Journal For Research In Applied Science & Engineering Technology (Ijraset), Volume 10 Issue Vi	https://doi.org/10.22214/Ijraset.2022.44299	https://www.ijraset.com/research-paper/design-of-cmos-circuit-based-on-nand-function-at-150nm-channel-length	
Dr.Sandhya Pattanayak, Dr. Anilesh Dey	A Review On Sound To Electric Energy Conversion	Journal Of Emerging Technologies And Innovative Research,	ISSN-2349-5162	https://www.jetir.org/papers/Jetir2206928.Pdf	

Dr.Sandhya Pattanayak	Sensor Based Automatic Smart Medicine Dispensing Box	Journal Of Emerging Technologies And Innovative Research,	ISSN-2349-5162	Https://Www.Jetir.Org/Vi ew?Paper=Je tir2206062	
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CSE

Name of the Faculty	Name Of the Authors	Title	Name of the Journal	Indexed in	ISSN Number	Link
Ananya Banerjee	Pallav Dutta, Ananya Banerjee, Moupali Roy, Arnima Das, Bansibadan Maji, Anilesh Dey	Detrended Fractal Analysis of Dynamics In Non-Linear Domain for HRV While Performing Graded Cycling Exercise	Journal of Xi'an Shiyou University, Natural Sciences Edition	Scopus	1673-064X	https://osf.io/6c47d/
Koushik Karmakar	Koushik Karmakar, Sohail Saif, Priya Das, Sarmistha Neogy, Suparna Biswas	FDRF: Fault Detection and Recovery Framework for Seamless Data Transmission in Remote Health Monitoring Using WBAN	Wireless Personal Communications	SCI	Electronic ISSN:1572-834X : Print ISSN: 0929-6212	https://link.springer.com/article/10.1007/s11277-021-09134-3
Koushik Karmakar	Sohail Saif, Koushik Karmakar, Suparna Biswas, Sarmistha Neogy	MLIDS: Machine Learning Enabled Intrusion Detection System for Health Monitoring	Springer International Journal of Wireless Information Networks	Scopus	Electronic ISSN: 1572-8129; Print ISSN: 1068-9605	https://link.springer.com/article/10.1007/s10776-022-00574-7

		Framework Using BA-WSN				
Md Ashifuddin Mondal	Md Ashifuddin mondal, Zeenat Rehena	Designing of A* based Route Recommendation Service for Multimodal Transportation System in Smart Cities	Iranian Journal of Science and Technology, Transactions of Civil Engineering	SCI	DOI: 10.1007/s40996-022-00948-0	https://link.springer.com/article/10.1007/s40996-022-00948-0
Md Ashifuddin Mondal	Md Ashifuddin mondal, Zeenat Rehena	Priority-Based Adaptive Traffic Signal Control System for Smart Cities	SN Computer Science	Scopus	2661-8907	https://link.springer.com/article/10.1007/s42979-022-01316-5
Md Ashifuddin Mondal	Md Ashifuddin mondal, Zeenat Rehena	Stacked LSTM for Short-Term Traffic Flow Prediction using Multivariate Time Series Dataset	Arabian Journal for Science and Engineering	SCI	2191-4281	https://link.springer.com/article/10.1007/s13369-022-06575-1
Dr. Chandrima Chakrabarti	Chandrima Chakrabarti	iCredit: a credit based incentive scheme to combat double spending in post-disaster peer-to-peer opportunistic communication over delay tolerant network	Wireless Personal Communications	SCI, Scopus	0929-6212	https://link.springer.com/article/10.1007/s11277-021-08829-x

Md Ashifuddin Mondal	Md Ashifuddin Mondal, Zeenat Rehena	Smart parking management system with dynamic pricing	Journal of Ambient Intelligence and Smart Environments	SCI	1876-1372	https://content.iospress.com/articles/journal-of-ambient-intelligence-and-smart-environments/ais210615
Shubendu Banerjee	Shubendu Banerjee, Sumit Kumar Singh, Avishek Chakraborty, Atanu Das, Rajib Bag	Diagnosis of Melanoma Lesion Using Neutrosophic and Deep Learning	Traitement du Signal	SCI, Scopus	1958-5608	https://www.iieta.org/journals/ts/paper/10.18280/ts.380507
Dr. Safikureshi Mondal	Nandini Mukherjee	Pruning of Health Data in Mobile-assisted Remote Health Care	The Computer Journal, Oxford University Press	SCI	10.1093/comjnl/bxab083	https://academic.oup.com/jnl/advance-article-abstract/doi/10.1093/comjnl/bxab083/6308678

EE

Title of the Journal Publication	DOI
Correction to: A Comprehensive Assessment of the Need and Availability of Smart Grid Technologies in an Electricity Distribution Grid	https://doi.org/10.1007/s40031-021-00579-5
A Method to Mitigate the impact of Cycling Operation and Carbon Emissions	DOI: 10.1615/InterJEnerCleanEnv.2022041410

Emerging Trend in Power Generation and Utilization	https://doi.org/10.55571/em.2022.04002
The Magnitude of IMF By Influences the Magnetotail Response to Solar Wind Forcing	https://doi.org/10.1029/2021JA029752
Space Physics and Aeronomy Perspectives on Integrated, Coordinated, Open, Networked (ICON) Science	https://doi.org/10.1002/essoar.10508451.1
Geomagnetism, Paleomagnetism and Electromagnetism Perspectives on Integrated, Coordinated, Open, Networked (ICON) Science	https://doi.org/10.1029/2021EA002141
Atmospheric sciences perspectives on integrated, coordinated, open, networked (ICON) science	https://doi.org/10.1029/2021EA002204
High and mid latitude and near subsolar point ionospheric and thermospheric responses to the solar flares and geomagnetic storms during low solar activity periods of 2017 and 2020	https://doi.org/10.1016/j.asr.2022.04.024
Impact of CME and HSSW driven geomagnetic storms on thermosphere and ionosphere as observed from mid-latitudes	https://doi.org/10.1016/j.asr.2021.03.027
Response of Low Latitude Ionization Towards Intense Geomagnetic Storm in 2018	http://dx.doi.org/10.2139/ssrn.3517221
Correlation of Disturbed Dynamo Electric Field and Thermospheric Plasma Transport with Latitudinally Diverse Total Electron Content During Recovery Phase of a Geomagnetic Storm	https://dx.doi.org/10.2139/ssrn.3517228

IT

Name of the Authors	Title	Name of the Journal	Publisher	ISBN/ISSN/DOI
Chayan Ranjit, Prabir Rudra, Sujata Kundu	Constraints on Energy Momentum Squared Gravity from cosmic chronometers and Supernovae Type Ia data	Annals of Physics	Elsevier Volume - 428	ISSN: 0003-4916
Sujata Kundu, Anirban Bhar, Shyamapriya Chatterjee,	A Detailed Study on Machine Learning and It's Algorithms	Journal of Applied Computer Science	Vol.-2, Issue-1	ISSN: 2582-8673

Soumya Bhattacharyya		& Artificial Intelligence		
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CE

Name of Author	Title of Publication	Name of the Journal	ISSN/ISBN/DOI
Prof.(Dr) Biman Mukherjee	Regional Study on Historic Monuments	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2319-7463
Prof.(Dr) Biman Mukherjee	Concrete using Disposable Material As Aggregate (A Review)	International Journal of All Research Education and Scientific Methods (IJARESM)	ISSN: 2455-6211
Prof.(Dr) Biman Mukherjee	Nonlinear Analysis of Masonry Structures	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2319-7463
Prof.(Dr) Biman Mukherjee	Evolution of New Austrian Tunnelling Method (NATM) in Tunnelling	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2455-6211
Prof.(Dr) Biman Mukherjee	A Review Paper on Behavioural Studies on Hollow Double Skinned Steel Concrete Composite Columns	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2455-6211

Prof.(Dr) Biman Mukherjee	A Study on Partial Replacement of Sand by Cast Iron Dust in Standard Concrete	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2455-6211
Prof.(Dr) Biman Mukherjee	Study on Self-Compacting Concrete Using High Volume of Fly Ash	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2455-6211
Prof.(Dr) Biman Mukherjee	Comparative Studies of Different Papers Based on the Experiment of Replacing Concrete Aggregate by Demolished Building Waste and find a Conclusion to do Further Experiments	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2455-6211
Prof.(Dr) Biman Mukherjee	An experimental study on the performance of concrete by using various fiber reinforcements such as steel fiber, glass fiber, and nylon fiber	International Journal of Enhanced Research in Science, Technology & Engineering	ISSN: 2456-3315
Prof.(Dr) Biman Mukherjee	Study on the partial replacement of ingredients of concrete with RHA, Stone dust	International Journal of All Research Education and Scientific Methods (IJARESM)	ISSN: 2455-6211

	and rubber aggregate		
Prof.(Dr) Biman Mukherjee	Determine the settlement of building due to Tunnel construction	IJERT	ISSN: 2278-0181
Prof.(Dr) Biman Mukherjee	Case study on light transmitting concrete	IJRAR	ISSN: 2349-5138
Prof.(Dr) Biman Mukherjee	Using bacteria to make self healling concrete	IJARESM	ISSN: 2455-6211
Prof.(Dr) Biman Mukherjee	Experimental investigation on mechanical properties high performance concrete by using bacillus subtilis	IJAEM	ISSN: 2395-5252
Prof.(Dr) Biman Mukherjee	Experimental study on performance of concrete by patial replacement of cement with various pozzolanic materials	IJARESM	ISSN: 2455-6211
Prof.(Dr) Biman Mukherjee	Areview on Engineered cementatious composte	IJARESM	ISSN: 2455-6211
Prof.(Dr) Biswajit Mukherjee	Sustainable water management in india	International Journal of Scientific and Engineering research	ISSN: 2229-5518

ME

Name of the Faculty	Title of paper	Name of the Journal
Goutam Roy	Identification of crack by vibration analysis and restoration of dynamic response in beams using PZT sensor/actuator	Nondestructive Testing and Evaluation

EIE

Title of the publication	Name of the journal	Vol, Issue, Page No/ Link of the publication	ISSN	SCI, Scopus, Thomson Reuters, Web of Science
Comparative Study on Fuzzy Based Linearization Technique Between MATLAB and LABVIEW PI	Modelling and Simulation in Science, Technology and Engineering Mathematics		Online-ISBN 978-3-319-74808-5	Scopus
Thermal Scanning and Mask Detection Entrance	International Journal for Research in Applied Science and Engineering Technology	Volume 10, Issue I	ISSN : 2321-9653.	

BSHU

Name of the faculty	Title of the Paper	Name of the Journal	Indexed in Scopus /Thompsons & Reuters	Link of the journal in Scopus/Thompsons & Reuters index
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Dr. Shilpi Pal	Nonlinear pentagonal intuitionistic fuzzy number and its application in EPQ model under learning and forgetting	Complex & Intelligent Systems	SCI	https://www.springer.com/journal/40747
Sharmistha Basu	Ramification Of Unbridled Urbanization In Kolkata : A Study On The Increased Air Pollution And Health Issues	Indian Journal of Environmental Protection(Vol. 41 No. 11 pp 1310-1315)	SCOPUS	www.e-ijep.co.in
Sharmistha Basu	Social Work Intervention amidst Covid-19 Pandemic(Book chapter) P:66-76	Pandemic And Social Work(Book name)978-ISBN: 93-88069-69-4 published by Levant Books India		
Dr. Rupa Bhattacharyya, Dr. Sumit Nandi	Influence of nano CaCO ₃ in mechanical property modification of PVC-poly (ethyl acrylate) blends	Journal of Chemical, Biological and Physical Sciences	Web of Science	DOI: 10.24214/jcbps.A.12.2.06168
Dr. Sumit Nandi, Dr. Rupa Bhattacharyya	Effect of Mixing Intensity for Biodiesel Production from Palm Fatty Acid Distillate	Indian Journal of Natural Sciences	Web of Science	https://tnsroindia.org.in/JOURNAL/issue71/IJONS%20ISSIE%2071%20APRIL%202022%20-%20FULL%20TEXT%20PART%20-%202.pdf

Dr. Sumit Nandi, Dr. Rupa Bhattacharyya	Blended fuel from Mahua Oil (Madhuca Indica) and its characterization	Journal of Environmental Science, Computer Science and Engineering & Technology	Web of Science	
Dr. Sumit Nandi, Dr. Rupa Bhattacharyya	Optimization and kinetics of biodiesel from jojoba (Simmondsia chinensis L. Schneider) oil	World Scientific News	WoS	http://www.worldscientificnews.com/wp-content/uploads/2021/06/WSN-159-2021-108-121.pdf
Dr. Avishek Chakraborty	A novel logarithmic operational law and aggregation operators for trapezoidal neutrosophic number with MCGDM skill to determine most harmful virus	Applied Intelligence, Springer	SCI	https://link.springer.com/article/10.1007/s10489-021-02583-0
Dr. Sumit Nandi and Swarnendu Mitra	Effect of mixing intensity for biodiesel production from coconut acid oil	International Journal of Enhanced Research in Science, Technology & Engineering	WoS	http://www.erpublishings.com/our-journals-dtl-pdf.php?pid=1&id=412
Dr. Avishek Chakraborty	A New Technique to Solve Transportation Problems Using De-Pythagorean Value in Generalized Interval Valued Pythagorean Environment	International Journal of Fuzzy System Applications (IJFSA)	SCOPUS	

Dr. Avishek Chakraborty	A job-sequencing problem using modified score function in PNN environment	International Journal of Hybrid Intelligence	WOS	DOI: 10.1504/IJHI.2021.117818
Sumit Nandi, Rupa Bhattacharyya and Binita Mandal	Enzymatic preparation of biodiesel from Mahua oil (Madhuca Indica) and its characterization	International Journal of Enhanced Research in Science, Technology & Engineering	WoS	http://www.erpublishations.com/our-journals-dtl-pdf.php?pid=1&id=423
Sar bani Ganguly and Sumit Nandi	Oil meals: A novel cheap source of prebiotic food materials	International Journal of Enhanced Research in Science, Technology & Engineering	WoS	http://www.erpublishations.com/our-journals-dtl-pdf.php?pid=1&id=423
Sumit Nandi, Debopriya Dey and Rupa Bhattacharyya	Prediction of blended fuel characteristic through regression modelling	Proceedings of ICCACCS 2020 (Springer)	SCI	https://doi.org/10.1007/978-981-16-4035-3
Dr. Avishek Chakraborty and Dr. Shilpi Pal	Nonlinear intuitionistic fuzzy number and its application in EPQ model under learning and forgetting	Complex and Intelligence System	SCI	https://doi.org/10.1007/s40747-021-00574-9
Ms. Sharmistha Basu ,Dr. Avishek Chakraborty, Mr.Suwendu Banerjee,Mr. Atanu Das,Mr.Rajib Bag,Mr.Sumit Kr.Singh	Diagnosis of Melanoma Lesion Using Neutrosophic and Deep Learning	Traitement du Signal	SCI	https://doi.org/10.18280/ts.380507

2020-2021

ECE

Name of Faculty	Title of paper	Name of journal	ISSN number/DOI	Link to paper	Indexed in
Kaushik Sarkar	A Cross-Sectional Study on Central Sensitization and Autonomic Changes in Fibromyalgia	Frontiers in Neuroscience	DOI: 10.3389/fnins.2020.00788	https://www.frontiersin.org/articles/10.3389/fnins.2020.00788/full	Scopus & Web of Science
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	https://doi.org/10.1007/s10825-021-01712-9	https://doi.org/10.1007/s10825-021-01712-9	SCI & Scopus
Kaushik Sarkar, Saradindu Panda, Pranab Hazra, Moupali Roy, Soumen Pal, Arpita Santra, Swati Barui, Abhijit Ghosh, Puspak Pain, Arnima Das	Utilizing Convolved Neural Networks to predict COVID Infections in Individuals	Turkish Online Journal of Qualitative Inquiry	e-ISSN 1309-6594	https://www.tojqi.net/index.php/journal/article/view/1418	Scopus

Sandhya Pattanayak, Anilesh Dey, Saradindu Panda, Surajit Bari, 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	e- ISSN 1 309- 6591	https://www.tobjqi.net/index.php/journal/article/view/1407	Scopus
SandhyaPattanayak, Kaushik Sarkar, Saradindu Panda, Pranab Hazra, Soumen Pal, Arpita Santra, Swati Barui, Abhijit Ghosh, Puspak Pain, Arnima Das	Multi-objective Cuckoo Search in Image Visibility Improvement	Turkish Online Journal of Qualitative Inquiry	e- ISSN 1 309- 6592	https://www.tobjqi.net/index.php/journal/article/download/1360/668/1504	Scopus
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 Qualitative Inquiry	e- ISSN 1 309- 6593	https://www.tobjqi.net/index.php/journal/article/view/1368	Scopus
Moupali Roy, Rimpi Datta, Abhijit Ghosh and Arnima Das, Puspak Pain	Design Of Smart Garbage Disposal And Collection System	JETIR Journal	(ISSN- 2349- 5162)	http://www.jetir.org/papers/JETIR2106800.pdf	Refeered Journal
Rimpi Datta, Puspak Pain, Arnima Das, Saradindu Panda	Highly Precise Wire Feeder & Cutter Machine with Stepper Motor Using	JETIR Journal	ISSN- 2349- 5162	https://www.jetir.org/papers/JETIR2106706.pdf	Refeered Journal

	Atmega32 Microcontroller				
Abhijit Ghosh, Sangita Roy, Swati Barui, Arpita Santra, Soumen Pal, Sandhya Pattanayak	Heteroscedasticity and Data Smoothing	JETIR Journal	eISSN: 2349- 5162	https://www.jetir.org/view?paper=JETIR2106704	Refeered Journal
Sangita Roy Swati Barui, Arpita SantraSoumen Pal, Sangita Roy and Sandhya Pattanayak	Study Of Basic Radio Network Controller Networking System Using Qualnet Software	IJRSR journal	DOI: h ttp://dx. doi.org/ 10.243 27/ijrsr. 2021.1 206.60 21	https://www.recentscientific.com/sites/default/files/17879-A-2021.pdf	Refeered Journal
Moupali Roy, Sangita Roy, Pranab Hazra, Surajit Bari, Kaushik Sarkar, Anilesh Dey	Parametric Evaluation of Guided Image Filter with Window Size	JETIR Journal	eISSN: 2349- 5162	https://www.jetir.org/view?paper=JETIR2106705	Refeered Journal
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	ISSN : 2349- 5162	https://www.jetir.org/view?paper=JETIR2106609	Refeered Journal

Sangita Roy	Pothole and object detection with respect to the speed of a vehicle using sensors in Arduino UNO board	IJARIIT, Paper ID: V7I3-1369 (v7i3-1470)	ISSN: 2454-132X	https://www.ijariit.com/manuscript/pothole-and-object-detection-with-respect-to-the-speed-of-a-vehicle-using-sensors-in-arduino-uno-board/	Refeered Journal
Arnima Das, Swati Barui	Alarm switch for security	IJARIIT	ISSN 2454-132X	https://www.ijariit.com/manuscripts/v7i3/V7I3-1432.pdf	Refeered Journal
Dr.Surajit Bari	Estimation of Power and Delay of CMOS Phase Detector and Phase-Frequency Detector Using Nano Dimensional MOS Transistor	IEEE	DOI: 10.1109/VLSIDCS4729.3.2020.9179921	https://ieeexplore.ieee.org/document/9179921	Scopus
Swati Barui, Arnima Das	Study of the MOSFET Parameters Effect on Drain and Transfer Characteristics	IRJET Journal	2395-0056	https://www.irjet.net/archives/V8/i5/IRJET-V8I5748.pdf	Refeered Journal

Sangita Roy, Anilesh Dey, Surajit Bari, Moupali Roy, Rimpi Datta	Multi-objective Cuckoo Search in Image Visibility Improvement	Turkish Online Journal of Qualitative Inquiry	e- ISSN 1 309- 6592	https://www.tobji.net/index.php/journal/article/download/1360/668/1504	Scopus
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 Communicati on Engineering and Technology Volume 12, Issue 1, 2021	ISSN Print: 0976- 6464 and ISSN Online: 0976- 6472 DOI: 10.342 18/IJE CET.12 .1.2021 .002	https://iaeme.com/Home/article_id/IJECET_12_01_002	Refeered Journal
Sangita Roy	Design and implementation of panic alarm during disaster in extreme situations using Proteus Software	IJARIIT, Paper ID: V7I3-1369 (v7i3-1369)	ISSN: 2454- 132X	https://www.ijariit.com/manuscripts/v7i3/V7I3-1369.pdf	Refeered Journal
Sangita Roy	Management System to Minimise Loss of Data and Time Wastage in Library	IJARIIT, Paper ID: V7I3-1537	ISSN: 2454- 132X	https://www.ijariit.com/manuscripts/v7i3/V7I3-1537.pdf	Refeered Journal
Anilesh Dey, Sangita Roy, Rimpi Datta, Surajit Bari, Sandhya Pattanayak	Utilizing Convolutated Neural Networks to predict COVID Infections in Individuals	Turkish Online Journal of Qualitative Inquiry	e- ISSN 1 309- 6594	https://www.tobji.net/index.php/journal/article/view/1418	Scopus

CSE

Name Of the Authors	Title	Name of the Journal	Indexed in	ISSN Number	Link
Koushik Karmakar, Sohail Saif, Suparna Biswas, Sarmistha Neogy	A WBAN-Based Framework for Health Condition Monitoring and Faulty Sensor Node Detection Applying ANN	International Journal of Biomedical and Clinical Engineering (IJBCE)	UGC Care	EISSN: 2161-1629; ISSN: 2161-1610;	https://www.igi-global.com/article/a-wban-based-framework-for-health-condition-monitoring-and-faulty-sensor-node-detection-applying-ann/282494
Utpal Garain, Biswajit Halder	Even big data is not enough: need for a novel reference modelling for forensic document authentication	International Journal on Document Analysis and Recognition (IJ DAR)	SCI, Scopus	1433-2825	https://doi.org/10.1007/s10032-019-00345-w
Subhram Das, Arijit Das, D. K. Bhattacharya, and D. N. Tibarewala	A new graph-theoretic approach to determine the similarity of genome sequences based on nucleotide triplets	Genomics	SCI, Scopus	0888-7543	https://www.sciencedirect.com/science/article/pii/S088875431930638X
Md Ashifuddin Mondal, Zeenat Rehana	Road traffic Outlier Detection Technique Based on Linear Regression	Procedia Computer Science	Scopus	DOI:10.1016/j.procs.2020.04.276	https://www.sciencedirect.com/science/article/pii/S1877050920312692
Shubhendu Banerjee, Sumit Kumar Singh, Avishek Chakraborty, Atanu Das, Rajib Bag	Melanoma diagnosis using deep learning and fuzzy logic	Diagnostics	SCI, Scopus	2075-4418	https://www.mdpi.com/2075-4418/10/8/577

A. Basu, Nandini Mukherjee	Building a trust-based doctor recommendation system on top of multilayer graph database	Journal of Biomedical Informatics	SCI	10.1016/j.jbi.2020.103549	https://www.sciencedirect.com/science/article/abs/pii/S1532046420301775
Arindam Sadhu, Debashis De, Maitreyi Ray Kanjilal	Area-Delay-Energy aware SRAM memory cell and $M \times N$ parallel read/write memory array design for quantum dot cellular automata	Microprocessors and Microsystems	SCI	https://doi.org/10.1016/j.micpro.2019.102944	https://www.sciencedirect.com/science/article/abs/pii/S0141933118300668#!

EE

Title of the Journal Publication	DOI
A review on fabrication, characterization and implementation of wearable strain sensors	https://doi.org/10.1016/j.sna.2020.11235
A Comprehensive Assessment of the Need and Availability of Smart Grid Technologies in an	https://doi.org/10.1007/s40031-020-
Effect of Music on Muscles with EMG Signal Analysis: A Nonlinear Signal Processing	https://www.jisuniversity.ac.in/pdf/Journal-of-Multidisciplinary-
Contingency Analysis of a Six Bus Network Using MATLAB Software	https://www.jisuniversity.ac.in/pdf/Journal-of-Multidisciplinary-
IOT based fully automated bag valve mask for COVID-19 Patients	https://www.jisuniversity.ac.in/pdf/Journal-of-Multidisciplinary-

IT

Name of the Authors	Title	Name of the Journal	Publisher	ISBN/ISSN/DOI
Soumya Bhattacharyya, Sujata Kundu,	Secure Instant Messaging	Journal of Applied Computer		ISSN: 2582-8673

Shyamapriya Chowdhury	Procedure Via Untrusted Server	Science & Artificial Intelligence	Vol.-2, Issue-12, Issue- 1	
Sagnik Kar, Mousumi Saha, Tamasree Biswas	Text Polarity Detection using Multiple Supervised Machine Learning Algorithms	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Blue Eyes Intelligence Engineering and Sciences Publication Vol-9 Issue-3	ISSN: 2278-3075 (Online)

CE

Name Of Author	Title of Publication	Name of the Journal	ISSN/ISBN/DOI
Arya Banerjee	A case study on torsional irregularity in accordance with the latest amendment of IS 1893: part I(2016-2020)	International Research journal of engineering and Technology (IRJET)	e-ISSN:2395-0056 p-ISSN:2395-0072
Arya Banerjee	A brief study on the recommendation with in the amendment-II for IS:1893-Part-I for the various irregularity concerns	International journal of creative research thought (IJCRT)	ISSN:2320-2882
Arya Banerjee	Time history analysis of a 20 storey model with dampers at different locations - A review	International research journal of modernization in engineering technology and science	e-ISSN:2582-5208
Prof.(Dr) Biman Mukherjee	A Comparative Review of Seismic Behavior of RC Structures Using Indian standard and Euro Standard	International Journal of All Research Education and	ISSN: 2455-6214

		Scientific Methods (IJARESM)	
Prof.(Dr) Biman Mukherjee	A Review paper on Sismic retrofitting of reinforced concrete structures by traditional and innovative techniques	International Resarch journal of engineering and Technology (IRJET)	e ISSN: 2395-0056

ME

Name of the Faculty	Title of paper	Name of the Journal
Mr. Goutam Roy	Evaluation and Repair of Cracks on Statically Loaded Beams Using Piezoelectric Actuation	International Journal of Manufacturing, Materials, and Mechanical Engineering
Mr. Goutam Roy	Crack identification in beam-type structural elements using a piezoelectric sensor.	Nondestructive Testing and Evaluation
Dr. Sumit Chabri	Tribological characteristics of thermomechanically processed 7075 Al alloy through nano-scratch characterization	Triboindia
Dr. Bikash Panja	Effect of process parameters on machining EN 47 spring steel through WEDM	Engineering Materials Research

EIE

Title of the publication	Faculty name	Name of the journal	Indexed in
Correlation of Disturbed Dynamo Electric Field and Thermospheric Plasma Transport with Latitudinally Diverse Total Electron Content During Recovery Phase of a Geomagnetic Storm	Dibyendu Sur	SSRN, Elsevier	Google Scholar

Response of Low Latitude Ionization Towards Intense Geomagnetic Storm in 2018	Dibyendu Sur	SSRN, Elsevier	Google Scholar
Multifunctional Admittance type Sensor and it's Instrumentation for Simultaneous Measurement of Liquid level and Temperature	Bansari Deb Majumder	IEEE Transaction on Instrumentation and measurements	SCI,Thomson Reuters

BSHU

Name of the faculty	Name of the journal	Indexed in Scopus/Thompsons & Reuters	Link of the journal in Scopus/Thompsons & Reuters index
Sumit Nandi, Rupa Bhattacharyya	World Scientific News	WOS	http://www.worldscientificnews.com/article-in-press/2021-2/154-2021/
Avishek Chakraborty	RAIRO OPERATIONS RESEARCH	SCI	https://www.rairo-ro.org/articles/ro/abs/2021/01/ro190161/ro190161.html
Avishek Chakraborty	Journal of Ambient Intelligence and Humanized Computing	SCI	https://doi.org/10.1007/s12652-021-03223-8
Dr. Sumit Nandi, Dr. Rupa Bhattacharyya and	Asian Journal of Applied Science and Technology	WOS	
Dr. Sumit Nandi and Sougata Mallick,	Indian Journal of Natural Sciences	WOS	www.tnsroindia.org.in ©IJONS ISSN: 0976 – 0997
Dr. Sumit Nandi, Dr.	Asian Journal of Applied Science and Technology	WOS	ISSN No 2456-883X

Rupa Bhattacharyya			
Sumit Nandi, Rupa Bhattacharyya and Sougata Mallick	Journal of Chemical, Biological and Physical Sciences	WOS	DOI:10.24214/jcbps.A.10. 4.41927
Sumit Nandi and Rupa Bhattacharyya	Journal of Environmental Science, Computer Science and Engineering & Technology	WOS	[DOI: 10.24214/jecet.A.9.4.7394 7]
Dr. Shilpi pal	Neutrosophic Sets and System	SCOPUS	DOI: 10.5281/zenodo.3951684
	International Journal of Operations Research	SCOPUS	https://www.inderscience.com/IJOR
Mr. Avishek Chakraborty	Neutrosophic Sets and System	SCOPUS/E SCI/Thomp sons & Reuters	http://fs.unm.edu/NSS/ .
	International Journal of Operation Research	SCOPUS/T hompson & Reuters	https://www.inderscience.com/jhome.php?jcode=ijor
	Complex & Intelligent System, Springer	SCI, SCOPUS/T hompson & Reuters	https://www.springer.com/ journal/40747
	Neutrosophic Sets and System	SCOPUS/E SCI/Thomp sons & Reuters	http://fs.unm.edu/NSS/ .
	Complex & Intelligent System, Springer	SCI, SCOPUS/T hompson & Reuters	https://www.springer.com/ journal/40747

	Neutrosophic Sets and System	SCOPUS/E SCI/Thomp sons & Reuters	http://fs.unm.edu/NSS/.
	Diagnostics	SCI, SCOPUS/T hompson & Reuters	https://www.mdpi.com/journal/diagnostic

CA

Title	ISSN/ISBN No./ DOI	Author Name
Numerical Model for Cyber Attack in Cyberspace	232020-2882	Debrupa Pal
Review on Impact of Agile Technologies in Software Development	https://doi.org/10.2139/ssrn.3849879	Debrupa Pal

2019-2020

ECE

Name of Faculty	Title of paper	Name of journal	ISSN number/DOI	Link to paper	Indexed in
Dr. Anilesh Dey	Development of a wireless intravenous drip rate monitoring device	International Journal of Sensor Networks	ISSN :1748-1287 doi: https://doi.org/10.1504/IJSNET.2019.098287	https://www.inderscience.com/info/inarticle.php?artid=98287	Scopus, Web of Science

Dr.Saradindu Panda	A Novel Design of 12-bit Digital Comparator Using Multiplexer for High Speed Application in 32-nm CMOS Technology	IETE Journal of Research, Taylor & Francis,	Print ISSN: 0377-2063 Online ISSN: 0974-780X doi: https://doi.org/10.1080/03772063.2019.1649204	https://www.tandfonline.com/doi/abs/10.1080/03772063.2019.1649204	Taylor & Francis, scopus
Dr.Saradindu Panda	Improvement of optical extinction by various wideband dielectrics with Ag and Au nanoparticle on metal-dielectric-semiconductor structure in solar cell	Nanoscience and Nanotechnology - Asia	ISSN: 2210-6820 (Online) doi: 10.2174/2210681209666190830100710	10.2174/2210681209666190830100710	SCOPUS
Dr.Sandhya Pattanayak	A genetically trained neural network for prediction of path loss in outdoor microcell	IJARET	ISSN Print: 0976-6480 and ISSN Online: 0976-6499	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3599786	SCOPUS
Dr.Anilesh Dey	Unvoiced Speech Recognition Using Dynamic Analysis of EMG Signal	Springer Nature	DOI:10.1007/978-981-13-8687-9_20	https://www.researchgate.net/publication/334708537_Unvoiced_Speech_Recognition_Using_Dynamic_Analysis_of_EMG_Signal	SCOPUS

Dr.Anilesh Dey	Analysis of Heart Rate Variability to Understand the Immediate Effect of Smoking on the Autonomic Nervous System Activity	Springer Nature	DOI:10.1007/978-981-13-8687-9_15	https://www.researchgate.net/publication/334708473_Analysis_of_Heart_Rate_Variability_to_Understand_the_Immediate_Effect_of_Smoking_on_the_Autonomic_Nervous_System_Activity	SCOPUS
Dr.Anilesh Dey	Study the Effect of Cognitive Stress on HRV Signal Using 3D Phase Space Plot in Spherical Coordinate System	Springer Nature	DOI:10.1007/978-981-13-8687-9_21	https://www.researchgate.net/publication/334708481_Study_the_Effect_of_Cognitive_Stress_on_HRV_Signal_Using_3D_Phase_Space_Plot_in_Spherical_Coordinate_System	SCOPUS

Mr.Puspak Pain	Power analysis attack resistable hardware cryptographical circuit design using reversible logic gate in quantum cellular automata	Microsystem Technologies	ISSN 0946-7076 doi: https://doi.org/10.1007/s00542-019-04581-2	https://link.springer.com/article/10.1007/s00542-019-04581-2	SCOPUS
Mr.Abhijit Ghosh, Mr.Pranab Hazra	Studies on Schumann Resonance Phenomena and Some Recent Advancements	Geomagnetism and Aeronomy	EISSN1555-645X	https://link.springer.com/article/10.1134/S0016793219080073	SCOPUS
Mr.Pranab Hazra	Significance of Remote Sensing in Healthcare Monitoring.	International Journal of Engineering and Advanced Technology	E-ISSN:2249-8958 doi: https://doi.org/10.1134/S0016793219080073	https://www.ijeat.org/wp-content/uploads/papers/v9i4/C6532029320.pdf	SCOPUS
Mrs.Sangita Roy	WLMS-based Transmission Refined Self-Adjusted No Reference Weather Independent Image Visibility Improvement	IETE Journal of Research	https://doi.org/10.1080/03772063.2019.1662335	https://www.tandfonline.com/doi/full/10.1080/03772063.2019.1662335	Taylor & Francis, scopus/SCI

Dr.Saradindu Panda	Towards the Design of Cost-efficient Generic Register Using Quantum-dot Cellular Automata	Nanoscience and Nanotechnology - Asia	DOI:10.2174/2210681209666190412142207 ISSN: 2210-6820(online)	https://www.researchgate.net/publication/332409439_Towards_the_Design_of_Cost-efficient_Generic_Register_Using_Quantum-dot_Cellular_Automata	SCOPUS
Puspak Pain	Physical Proof and Simulation of Ternary Logic Gate in Ternary Quantum Dot Cellular Automata	Springer	DOI: 10.1007/978-981-13-8687-9_34	https://link.springer.com/chapter/10.1007/978-981-13-8687-9_34	SCOPUS
Arnima Das	Design and characterization of asymmetrical super lattice Si/4H SiC pin photo diode array: a potential opto- sensor for future applications in bio-medical domain	Springer	https://doi.org/10.1007/s00542-018-4119-4	https://doi.org/10.1007/s00542-018-4119-4	SCOPUS

CSE

Name Of the Authors	Title	Name of the Journal	Indexed in	ISSN Number	Link
Subhram Das, Arijit Das, Bingshati Mondal, Nilanjan Dey, D. K. Bhattacharya, D. N. Tibarewala	Genome Sequence comparison under a new form of tri-nucleotide representation based on biochemical properties of nucleotides	Gene	SCI, Scopus	0378-1119	https://www.sciencedirect.com/science/article/abs/pii/S0378111919309163
Mousumi Saha, Sagnik Dhar, Tamasree Biswas	Text Polarity Detection using Multiple Supervised Machine Learning Algorithms	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Scopus	C8449019320/2020©BE IESP	https://www.ijitee.org/portfolio-item/c8449019320/
Shubhendu Banerjee, Sumit Kumar Singh, Atanu Das, Rajib Bag	Recognition of English Handwriting and Typed from Images using Tesseract on Android Platform	International Journal of Advanced Science and Technology	Scopus	2207-6360	http://sersc.org/journals/index.php/IJAST/article/view/24573
Ananya Banerjee, A Chakraborty, S Saha	SENSORS IN PRECISION AGRICULTURE: A SURVEY ON APPLICATION, SECURITY AND PRIVACY	Advances and Applications in Mathematical Sciences	Scopus	0974-6803	https://www.mililink.com/upload/article/862829460aams_vol_189_july_2019_al5_p949-957_a._chakraborty_and_s._saha.pdf

Chandrima Chakrabarti, Siuli Roy, Souvik Basu	Intention aware misbehavior detection for post-disaster opportunistic communication over peer-to-peer DTN	Peer-to-Peer Networking and Applications	SCI, Scopus	1936-6442	https://link.springer.com/article/10.1007/s12083-018-0667-8
Shubhendu Banerjee, Sumit Kumar Singh, Atanu Das, Rajib Bag	Recognition of Hindi and Bengali Handwritten and Typed Text from Images using Tesseract on Android Platform	International Journal of Innovative Technology and Exploring Engineering	Scopus	2278-3075	https://www.ijitee.org/portfolio-item/A5252119119/
Nandini Mukherjee	An efficient reachability query based pruning algorithm in e-health scenario	Journal of Biomedical Informatics	SCI	10.1016/j.jbi.2019.103171	https://www.sciencedirect.com/science/article/pii/S1532046419300887
Arindam Sadhu, Debashis De, Maitreyi Ray Kanjilal	SSTRNG: self starved feedback SRAM based true random number generator using quantum cellular automata	Microsystem Technologies	SCI	https://doi.org/10.1007/s00542-019-04525-w	https://link.springer.com/article/10.1007/s00542-019-04525-w
Arindam Sadhu, Debashis De, Jadav Chandra Das	Design and simulation of priority based dual port memory in quantum dot cellular automata	Microprocessors and Microsystems	SCI	https://doi.org/10.1016/j.micpro.2019.06.004	https://www.sciencedirect.com/science/article/abs/pii/S0141933117304684#!

EE

Title of Journal publication	<u>DOI</u>
A Proposal to Adjust the Time-Keeping Systemsfor Savings in Cycling Operation and Carbon Emission	https://doi.org/10.1007/s40031-019-00419-7
Semi-isotropically Optimized Stewart Platform Manipulator Design with Actuator Stroke Constraint	https://doi.org/10.1007/s40032-020-00595-2

IT

Name of the Authors	Title	Name of the Journal	Publisher	ISBN/ISSN/DOI
Anirban Bhar, Soumya Bhattacharyya, Sujata Kundu, Shyamapriya Chatterjee	A Review of Testing Technology in Web Application System	International Research Journal of Engineering and Technology	Science Publishing Corporation, Vol-6, Issue-5	e-ISSN: 2395- 0056 p-ISSN: 2395- 0072
Shyamapriya Chatterjee, Sujata Kundu, Soumya Bhattacharyya, Anirban Bhar	Contrasting Internet QoS and Architecture	International Journal of Research in Engineering, Science and Management	Vol- 2, Issue- 6	ISSN (Online): 2581-5792
Sujata Kundu, Anirban Bhar, Shyamapriya Chatterjee, Soumya Bhattacharyya	Multimedia Data Mining and Its Relevance Today - An Overview	International Journal of Research in Engineering, Science & Management	Vol-2, Issue-5	ISSN (Online): 2581-579

CE

Name of Author	Title of Publication	Name of the Journal	ISSN/ISBN/DOI
Dr. Arpita Mandal	Experimental and Numerical free vibration analysis of laminated composite plates with arbitrary cut-outs	Institution of Engineers (India): Series C	DOI 10.1007/s40032-019-00537-7

ME

Name of the Faculty	Title of paper	Name of the Journal
Goutam Roy	Electrical voltage generation by utilizing vibration of structural elements	International Journal of Engineering Applied Sciences and Technology

EIE

Title of the publication	Author	Name of the journal
Smart Blind Cane With Alarm Kit And Location Sharing System	Bansari Deb Majumder	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)
Design of a Smart Real-time Excessive Honking Control System	Bansari Deb Majumder	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)
Implementation of PID control Based Hybrid Model for Gesture Controlled Robotic Arm	Bansari Deb Majumder	International Journal of Computer Science and Engineering
Human Behavioral Analysis using ECG and EEG	Susmita Das	Research journal of Recent Sciences
Automated Crack Detection Of Railway Track	Susmita Das	IOSR-JEEE

Sound Pollution Detector in the Sensitive Areas	Susmita Das	IJRASET
Tuning and transfer functional modelling of a prosthetic arm	Susmita Das	Journal of Computational Methods in Sciences and Engineering

BSHU

Name of the faculty	Name of the Journal	Indexed in Scopus/Thompsons & Reuters	Link of the journal in Scopus/Thompsons & Reuters index
Avishek Chakraborty	Neutrosophic Graph Theory and Algorithms	SCOPUS	DOI: 10.4018/978-1-7998-1313-2.ch009.
	Granular Computing, Springer	SCOPUS	Doi.org/10.1007/s41066-020-00212-8
	International Journal of Neutrosophic Science	SCOPUS	Doi:10.5281/zenodo.3679508
	Rairo Operations Research (SCI), EDP Science	SCI	https://doi.org/10.1051/ro/2018114
	Neutrosophic Sets and System	SCOPUS	DOI: 10.5281/zenodo.3723145
	American Journal of Business and Operations research	--	Doi :10.5281/zenodo.3712477
	International Journal of Neutrosophic Science (IJS)	-	Doi: 10.5281/zenodo.3732659.

	Neutrosophic Theories in Communication, Management and Information Technology	--	doi: 978-1-53617-485-4.
Dr. Sumit Nandi and Dr. Rupa Bhattacharyya	Asian Journal of Applied Science and Technology	WOS	https://isindexing.com/isi/journaldetails.php?id=8649
Dr. Sumit Nandi and Dr. Rupa Bhattacharyya	International Journal for Research in Applied Science & Engineering Technology	WOS	DOI : http://doi.org/10.22214/ijraset.2020.4020
Dr. Sumit Nandi and Dr. Gautam Misra	Journal of Chemical, Biological and Physical Sciences	WOS	DOI: 10.24214/jcbps.A.10.3.22736
Dr. Tapan Kumar Mukherjee	Journal of Atomic, Molecular, Condensate and Nano Physics	N.A.	https://www.rgnpublications.com/journals/index.php/jamcnp/
Dr. Sumit Nandi and Dr. Rupa Bhattacharyya	Saudi Journal of Engg. And Technology, 4(6), 248-252	SCOPUS (in process)	DOI:10.21276/sjeat.2019.4.6.2
Rajasi Ray, Sharmistha Basu and Sumon Bose	International Journal of Research and Analytical Reviews	-----	-----
Avishek Chakraborty	Journal of Symmetry	SCI	doi.org/10.3390/sym11070932
Avishek Chakraborty	Journal of Symmetry	SCI	doi: 10.3390/sym11020248

Avishek Chakraborty	Computational Advancement in	SCOPUS	doi:10.1007/978-981-13-8687-9_23
	Communication Circuits and Systems, Springer Nature		
Avishek Chakraborty	Neutrosophic Sets and System (NSS)	ESCI/SCOPUS	doi:10.5281/zenodo.3382542
Dr. Sumit Nandi, Dr. Rupa Bhattacharyya, Debayan Marik and Tamal Kanti Ghosh	Journal of Chemical, Biological and Physical Sciences	Publons	DOI: 10.24214/jcbps.A.10.1.00111.
Avishek Chakraborty	International Journal Of Fuzzy System Application (IJFSA)	SCOPUS/JFSA	Vol.9(4)
Avishek Chakraborty	Neutrosophic Sets and System (NSS)	ESCI/SCOPUS	Vol. 29

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Name of the Faculty	Title of paper	Name of journal	ISSN number/DOI	Link to paper	Indexed in
Dr. Sandhya Pattanayak	Autocorrelation Based Spectrum Sensing Technique for Cognitive Radio Application	IEICE Communication Express, Aug, 2018. Publ. by Institute of Electronics, Information and Communication Engineers, Japan.	DOI: 10.1109/TVT.2009.2035628	https://www.jstage.jst.go.jp/article/comex/7/11/7_2018XBL0107/_article/-char/ja/	ESCI and scopus
Dr.Surajit Bari	Design of low power, high speed 4 bit binary to Gray converter with 8×4 barrel shifter using nano dimensional MOS transistor for arithmetical, logical and telecommunication circuit and system application	Micro System Technologies , Springer	Electronic ISSN: 1432-1858 Print ISSN : 0946-7076 doi: https://doi.org/10.1007/s00542-017-3435-4	https://link.springer.com/article/10.1007/s00542-017-3435-4	SCOPUS

Mrs. Arnima Das	Design and characterization of asymmetrical superlattice Si/4H-SiC pin photo diode array: a potential opto-sensor for future applications in bio-medical domain	Microsystem Technologies	eISSN1432-1858	https://link.springer.com/article/10.1007/s00542-018-4119-4	SCOPUS
Mr.Puspak Pain	Design and development of gravity-controlled water level indicator	International Journal Of Research And Analytical Reviews (Ijrar)	E-ISSN 2348-1269, P-ISSN 2349-5138	http://www.ijrar.org/papers/IJRAR19K2090.pdf	Refereed Journal
Dr.Saradindu Panda	Introducing Galois field polynomial addition in quantum-dot cellular automata	Applied Nanoscience, Springer,	Print ISSN: 2190-5509, Online ISSN:2190-5517	https://ui.adsabs.harvard.edu/abs/2019ApNan...9.2127M/abstract	Springer scopus,
Dr.Anilesh Dey	A Review on the Nonlinear Dynamical System Analysis of Electrocardiogram Signal	Journal of healthcare engineering	ISSN: 2040-2309	https://www.hindawi.com/journals/jhe/2018/6920420/	Refereed Journal

Mrs.Sangita Roy	Fuzzy logic and log-sigmoid function based vision enhancement of hazy images	IntelliSys 2018. Advances in Intelligent Systems and Computing, vol 868. Springer, Cham	ISSN: 2194-5357	https://link.springer.com/chapter/10.1007/978-3-030-01054-6_32	SPRINGER, Scopus
Dr.Saradindu Panda	Implementation of Toffoli Gate Using LTeX Module of Quantum-Dot Cellular Automata	Contemporary Advances in Innovative and Applicable Information Technology. Advances in Intelligent Systems and Computing, vol 812, pp-57-66. Springer, Singapore,	Print ISBN978-981-13-1539-8, Online ISBN978-981-13-1540-4	https://link.springer.com/chapter/10.1007/978-981-13-1540-4_7	SPRINGER, Scopus

Mr.Puspak Pain	Novel True Random Number Generator Based Hardware Cryptographic Architecture Using Quantum-Dot Cellular Automata	International Journal of Theoretical Physics	Print ISSN 0020-7748 Online ISSN1572-9575 doi: 10.1007/s10773-019-04189-2	https://link.springer.com/article/10.1007/s10773-019-04189-2	SPRINGER
Dr.Surajit Bari	Low power and high speed design issues of CMOS Hamming code generation and error detection circuit at 22 nm and 16 nm channel length of MOS transistor	Micro System Technologies , Springer	Electronic ISSN: 1432-1858 Print ISSN : 0946-7076 doi: https://doi.org/10.1007/s00542-018-4143-4	https://link.springer.com/article/10.1007/s00542-018-4143-4	SCOPUS
Mrs Swati Barui	Mechanical Prosthetic Arm Adaptive I-PD Control Model Using MIT Rule Towards Global Stability	Journal of Mechanics of Continuum and Mathematical Sciences	ISSN (Online) : 2454 - 7190,ISSN (Print) 0973-8975	http://www.journalimcms.org/wp-content/uploads/3-E-IPD_2.7.18-1.pdf	SCOPUS
Dr.Saradindu Panda	Performance Evaluation of Digital Comparator Using Different Logic Styles	IETE Journal of Research ,Taylor& Francis,	Print ISSN: 0377-2063 Online ISSN: 0974-780X	https://www.tandfonline.com/doi/abs/10.1080/03772063.2017.1323564?journalCode=tjrr20	SCOPUS

Mr.Abhijit Ghosh	Performance Optimization of Microstrip Antenna with Different Slot Configuration and Various Dielectric Materials	JOURNAL OF ELECTRONIC SCIENCE AND TECHNOLOGY	e-ISSN: 2666-223X doi: http://dx.doi.org/10.11989/JEST.1674-862X.70728112	http://www.journal.uestc.edu.cn/article/doi/10.11989/JEST.1674-862X.70728112	SCOPUS
Dr.Anilesh Dey	Designing of a biopotential amplifier for the acquisition and processing of subvocal electromyography signals	Elsevier, (2019), 913-929	https://doi.org/10.1016/B978-0-102420-100043-1	https://www.sciencedirect.com/science/article/pii/B978081024201000431	Elsevier
Dr.Saradindu Panda	Study on Localized Surface Plasmon to Improve Photonic Extinction in Solar Cell	Contemporary Advances in Innovative and Applicable Information Technology. Advances in Intelligent Systems and Computing, vol 812, pp-67-74. Springer, Singapore,	Print ISBN978-981-13-1539-8, Online ISBN978-981-13-1540-4 doi: https://doi.org/10.1007/978-981-13-1540-4_8	https://link.springer.com/chapter/10.1007%2F978-981-13-1540-4_8	SPRINGER

Mrs Swati Barui	Technical Advancement on Various Bio-signal Controlled Arm- A review	Journal of Mechanics of Continua and Mathematical Sciences	ISSN (Online) : 2454 - 7190,ISSN (Print) 0973-8975	http://www.journalimcms.org/wp-content/uploads/7-E-Moumita-Biswarup-Vol-13-No-2-dt-27.5.2018.pdf	SCOPUS
Dr.Saradindu Panda	Towards modular binary to gray converter design using LTEx module of quantum-dot cellular automata	Microsystem Technologies, Springer, Volume 25, Issue 5, pp 2011–2018,	Print ISSN:0946-7076, Online ISSN:1432-1858	https://link.springer.com/article/10.1007/s00542-018-4066-0	SCOPUS
Mrs Swati Barui	Tuning and transfer functional modelling of a prosthetic arm	Journal of Computational Methods in Sciences and Engineering	ISSN print:1472 - 7978,ISSN online:1875-8983	https://content.iospress.com/articles/journal-of-computational-methods-in-sciences-and-engineering/jcm180880	Refereed Journal

CSE

Name Of the Authors	Title	Name of the Journal	Indexed in	ISSN Number	Link
Sagarika Chowdhury, Piyali Datta, Rajat Kumar Pal, and Goutam Saha	An efficient multiple fault detection technique in digital microfluidic biochips	IETE Journal Of Research	SCI, Scopus	3772063	https://doi.org/10.1080/03772063.2019.1571954
Ananya Banerjee, Jayanta Basak, Siuli Roy, Somprakash Bandyopadhyay	Towards a collaborative disaster management service framework using mobile and web applications: a survey and future scope	Emergency and disaster management: Concepts, methodologies, tools, and applications	WOS	9.78152E+12	https://www.researchgate.net/publication/312206670_Towards_a_Collaborative_Disaster_Management_Service_Framework_using_Mobile_and_Web_Applications_A_Survey_and_Future_Scope
Chandrima Chakrabarti	An incentive driven reliable message exchange scheme in post-disaster situation using delay tolerant network	CSI Transactions on ICT	Scopus	2277-9086	https://link.springer.com/article/10.1007/s40012-016-0129-5
Subhram Das, Tamal Deb, Nilanjan Dey, Amira S. Ashourd, D.K. Bhattacharya, D.N. Tibarewala	Optimal choice of k-mer in composition vector method for genome sequence comparison	Genomics	SCI, Scopus	0888-7543	https://www.sciencedirect.com/science/article/pii/S0888754317301453
Shubhendu Banerjee, Aritra Bandyopadhyay, Avik Mukherjee, Atanu Das, Rajib Bag	Random valued impulse noise removal using region based detection approach	Engineering, Technology & Applied Science Research	WOS & SCI	1792-8036	https://www.etasr.com/index.php/ETASR/article/view/1609

Shubhendu Banerjee, Arijit Taraphdar, Atanu Das, Rajib Bag	Binary expansion based denoising algorithm for an image corrupted by Gaussian noise	CSI Transactions on ICT	Scopus	2277-9086	https://link.springer.com/article/10.1007/s40012-016-0151-7
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IT

Name of the Authors	Title	Name of the Journal	Publisher	ISBN/ISSN/DOI
Soumya Bhattacharyya, Anirban Bhar, Shyamapriya Chatterjee, Sujata Kundu	Universal Reversible Combinational Circuit Design using Quantum Dot Cellular Automata	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol-7, Issue-V	ISSN: 2321-9653
Soumen Ghosh, Jayanta Pal, Bansibadan Maji, Dilip Kumar Bhattacharya	A sequential development towards a unified approach to protein sequence comparison based on classified groups of amino acids	International Journal of Engineering & Technology (IJET)	Science Publishing Corporation Vol-7, Issue-2	DOI: 10.14419/ijet.v7i2.9546
Soumya Bhattacharyya, Anirban Bhar	A View Based Model to Improve Quality Factors during Early Stage of Development	International Journal of Latest Engineering and Management Research (IJLEMR)	Vol-3, Issue-2	ISSN: 2455-4847

ME

Name of the Faculty	Title of paper	Name of the Journal
Dr. Sumit Chabri	Influence of over-aging and sub-zero temperature rolling on strengthductility balance in AA6061 alloy	Engineering Science and Technology: An International Journal

EIE

Title of the paper	Author	Name of the journal	Vol, Issue, Page No
Recent advances in multifunctional sensing technology on a perspective of multi-sensor system: A review	Bansari Deb Majumder	IEEE Sensors Journal	vol. 19, no. 4, pp. 1204–1214

BSHU

Name of the faculty	Name of the Journal	Whether Elsevier/Web of Science
Dr. Sumit Nandi and Dr. Rupa Bhattacharyya	Indian Journal of Natural Sciences	Web of Science
Dr. Sumit Nandi	Chemical Science Transaction	Web of Science
Dr. Tapan Mukhopadhyay	Communications in Theoretical Physics(In press)	Web of Science
Dr. Tapan Mukhopadhyay	International Journal of Quantum Chemistry.	Web of Science
Mr. Avishek Chakraborty	Symmetry MDPI	SCI
Mr. Avishek Chakraborty	Rairo –Operation Research	SCI

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