



## Research Publications by TINT Faculty and Students

Over the past five years, the faculty and students of Techno International New Town (TINT) have significantly contributed to academic research, with **approximately 500 papers published**.

Their work appears in **esteemed peer-reviewed indexed journals** and has been presented at numerous **national and international conferences**.

This prolific output underscores TINT's commitment to fostering a robust research culture. Such active participation in the global academic community not only elevates the institution's reputation, but also enriches the educational environment. By engaging in **cutting-edge research**, TINT nurtures **critical thinking and innovation** among students and faculty, driving advancements across various fields and enhancing the overall academic rigor of the institution.

Sl. No.	Name of the Paper	Name of the author/s	Name of journal / Book / Conference Proceeding	Year of publication	ISSN / ISBN number
1.	Charge-plasma Persuaded Underlapping Dielectric Modulated Bio-tunnel FET Realizing Repulsive Steric Effect	Bidhan Bhunia, Santu Ghorai, Tapan Kumar Kar, Samir Biswas, Lakpa Thendup Bhutia, Papiya Debnath,	Chaos, Solitons & Fractals	2023	ISSN 0960-0779,
2.	Performance Assessment of Electrostatically Doped Dual Pocket Vertical Tunnel Field-Effect Transistor	S. Majumder, S. Bhattacharya, P. Debnath, B. Ganguly & M. Chanda;	Computer Methods in Biomechanics and Biomedical Engineering,	2023	ISSN: 1025-5842
3.	"A DFT Based Approach for NO <sub>2</sub> Sensing Using Vander Wall Hetero Monolayer" IETE Journal of Research, Pages: 1-12, 2023	Barnali Dutta, Samit Kumar Ray	Polymer Engineering & Science	2023	Online ISSN:1548-2634
4.	Explicit impacts of harvesting on a delayed	Barnali Dutta, Samit Kumar Ray	Polymer Engineering & Science	2023	Online ISSN:1548-2634



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	predator–prey system with Allee effect.				
5.	"Machine learning-based output prediction of negative capacitance tunnel-FET",	Barnali Dutta, Samit Kumar Ray	Journal of Applied Polymer Science	2023	<u>Online ISSN:1097-4628</u>
6.	Explicit impacts of harvesting on a fractional order delayed predator–prey model.	Bithika Kolay ,Juyel Majumder , Pratyay Mishra , Akash Saha, Monalisa Datta	American Journal of Advanced Computing	2023	ISSN 2691-5944
7.	“A study of a spatiotemporal delayed predator–prey model with prey harvesting: Constant and periodic diffusion”, , Volume 175, Part 1, 2023, 113967,	S.Chatterjee, I.Mukherjee,A.Roy	Indian Journal of Environmental Protection	2023	ISSN 0253–7141
8.	Identification and classification of arrhythmic heartbeats from electrocardiogram signals using eature induced optimal extreme gradient boosting algorithm,	Priyanka Bothra, Raja Karmakar, Sanjukta Bhattacharya,Sayantani De	Computer Networks	2023	
9.	Synthesis of iron oxide nanoparticles encapsulated poly (styrene-co-4-vinyl pyridine) nanocomposites for column adsorption and photocatalytic degradation of para nitrophenol from water	Avijit Mondal, Radha Tamal Goswami, Soumita Sen	International Journal of Wireless and Microwave Technologies (IJWMT)	2023	ISSN: 2076-1449 (P), ISSN: 2076-9539 (O)
10.	Synthesis of copolymer nanocomposite by in situ intercalative polymerization for batch and fixed bed adsorption	Sandip Bhattacharya, Rajib Saha, Subrata Mandal, Debopam Bhattacharya, and Sanatan Chattopadhyay	J Mater Sci: Mater Electron	2023	ISSN (Print) 0957-4522 ISSN (Online) 1573-482X
11.	Characterization and transport properties of ceramic filler incorporated natural rubber composites	Joyati Chattopadhyay, Madhurima Roy, Rajdeepa Das, Rajatsubhra Pal and Kaushik Roy	American Journal of Advanced Computing (AJAC)	2023	ISSN (Print) 2321–5526



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12.	Smart Environment Monitoring Device	Bikash Sadhukhan, Shayak Chakraborty, Somenath Mukherjee, Raj Kumar Samanta	Frontiers in Earth Science	2023	Online ISSN: 2296-6463
13.	Green energy and its impact on reduction of carbon foot print	Das, S. K., Dey, N., Crespo, R. G., & Herrera-Viedma, E.	Information Sciences	2023	0020-0255
14.	How can applications of blockchain and artificial intelligence improve performance of Internet of Things? – A survey	Ghosh, S., Kamal, M. S., Chowdhury, L., Neogi, B., Dey, N., & Sherratt, R. S.	Education and Information Technologies	2023	1573-7608
15.	A New Framework of Honeypots Network Security Using Linear Regression Decision Algorithm	Bhattacharya, S., Mishra, B. K., Borah, S., Das, N., & Dey, N.	Multimedia Tools and Applications	2023	1573-7721
16.	Voltage-assisted selective growth of ZnO nanowires on metal/semiconductor surfaces employing hydrothermal double-step CBD/CBD growth technique	Jagatheesan, K., Boopathi, D., Samanta, S., Anand, B., & Dey, N.	Soft Computing	2023	1433-7479
17.	Contactless Attendance System Using Raspberry Pi4	Bitan. Misra, Nilanjana Dutta Roy, Nilanjan Dey, S. Sherratt	Galician Medical Journal.	2023	2414-1518
18.	Climatic and seismic data-driven deep learning model for earthquake magnitude prediction	Sanjay Chakraborty, Animesh Kairi, Nilanjana Dutta Roy, Saikat Maity, Saroj Kumar Pandey, Indrajit De	SN Computer Science	2023	2661-8907
19.	A non-linear multi-objective technique for hybrid peer-to-peer communication.	Ankit Kumar, Manoj Kumar Ojha, Saroj Kuma Pandey, Kamred Udam Singh, Sanjay Chakraborty, Teekam Singh, Chetan Swarup	Traitement du Signal Journal	2023	0765-0019 (print); 1958-5608 (online)
20.	Explainable AI to understand study interest of engineering students.	Saikat Maity, Sanjay Chakraborty, Saroj Kumar Pandey, Indrajit De, Sourashsis Nath	International Journal of Intelligent Engineering Informatics	2023	1758-8723



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21.	Cross-lingual deep learning model for gender-based emotion detection	Sanjay Chakraborty, Arnab Mondal, Aritra Bhattacharjee, Ankush Mallick, Riju Santra, Saikat Maity, Lopamudra Dey	Journal of Knowledge-based and Intelligent Engineering Systems	2023	1875-8827
22.	Grey wolf optimization algorithm-based PID controller for frequency stabilization of interconnected power generating system.	Sanjay Chakraborty, Animesh Kairi, Nilanjana Dutta Roy, Saikat Maity, Saroj Kumar Pandey, Indrajit De	SN Computer Science	2023	2661-8907
23.	Visualizing wearable medical device research trends: a co-occurrence network based bibliometric analysis	Shobha Bhatt, Shweta Bansal, Ankit Kumar, Saroj Kumar Pandey, Kamred Udam Singh, Sanjay Chakraborty, Teekam Singh, Chetan Swarup	Traitement du Signal Journal (IF-1.9)	2023	0765-0019 (print); 1958-5608 (online)
24.	Market-Based Stock Allocation Using a Hybrid Regression Model	Dr. Santanu Duari, Anustup Chatterjee, Hrishita Barman, Sumit Dey, Aniket Maity, Arindam Roy Goswami, Prabir Biswas	International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.9	2023	ISSN:2349-5162
25.	Automatic Arrhythmias Recognition Using Support Vector Machines based on Characteristics of QRS Complex of ECG Signal	Hrithik Pal, Sayani Ghatak, Sanjay Chakraborty, Saroj Kumar Pandey, Saikat Maity, Debashis Show, Lopamudra Dey	Multimedia Tools and Applications	2023	13807501, 15737721
26.	Type-n Fuzzy Logic – The next level of Type-1 and Type-2 Fuzzy Logic	Ardhendu Shekhar Biswas	KSII Transactions on Internet and Information Systems	2023	eISSN: 1976-7277
27.	Cricket Data Analytics: Forecasting T20 Match Winners through Machine Learning	Dr. Kashmi Mondal	MSB: International Journal of Interdisciplinary Research	2023	ISSN: 2583-7192
28.	Market-Based Stock Allocation Using a Hybrid Regression Model	Dr. Kashmi Mondal	MSB: International Journal of Interdisciplinary Research	2023	ISSN: 2583-7192
29.	A Comprehensive Examination of Phoneme Recognition in Automatic Speech Recognition Systems	Dr. Kashmi Mondal	MSB: International Journal of Interdisciplinary Research	2023	ISSN: 2583-7192



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30.	An Investigation: Effect of Resistance for Different Passenger Cars	Sk Khalid Rahaman, Taposi Chatterjee, Basudeb Dutta, Goutam Pramanik, Saikh Mohammad Wabaidur, Essam A Al-Ammar, Maria Christy, Mohammad Hedayetullah Mir, Seikh Mafiz Alam	Journal of Molecular Structure	2023	Online ISSN: 1872-8014, Print ISSN: 0022-2860
31.	A Study and Comparison of Deep Learning based Potato Leaf Disease Detection and Classification Techniques using Explainable AI	Taposi Chatterjee, Mukti Mohammad, Sakhiul Islam, Saikh Mohammad Wabaidur, Maria Christy, Md Maidul Islam, Mohammad Hedayetullah Mir, Seikh Mafiz Alam	Inorganica Chimica Acta	2023	Online ISSN: 1873-3255, Print ISSN: 0020-1693
32.	Relaying of 4G Signal over 5G Suitable for Disaster Management following 3GPP Release 18 Standard	Prabir Biswas, Kaustav Chakraborty, Pratik Kumar Raha Pranibesh Mandal	Journal of Graphic Era University	2023	ISSN: 2456-4281 (Online Version)
33.	“Need Analysis on The Use and Effectiveness of ChatGpt for English Language Teaching Learning in Private Engineering Colleges in West Bengal.”	Prabir Biswas · Pranibesh Mandal	The Institution of Engineers (India) 2023	2023	023-00575-7
34.	“Project-based Learning (PBL) for Developing Communication Skills: Perspectives of Engineering Students in West Bengal.”	Bikram Bihari Barik, Arindam Mahanty, Soumyadeep Datta Majumder, Arindam Roy Goswami	Fabrication of Cost-effective Three-axis portable mini-CNC milling Machine	2023	NA
35.	“Cultural Nationalism and Frontier: A Study of Patrick White’s Voss.”	Debraj Chatterjee	The Italian Association of Chemical Engineering Vol 62	2022	NA
36.	Fabrication of a parallel interpenetrating 2D hydrogen-bonded zig-zag Zn(II) coordination polymer: Characterization and band gap study	Somenath Mukherjee, Bikash Sadhukhan, Arghya Kusum Das, Abhra Chaudhuri,	Machine Learning Techniques and Analytics for Cloud Security [Book Chapter]	2023	NA
37.	Fabrication of a pyridyl appended linear Co(II) based coordination	Md Anoarul Islam, Dr. Manabendra Maiti, Judhajit Sanyal, Dr. Quazi Md Alfred	International Journal of Computational	2023	NA





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	polymer: Structural insights and molecular docking		Science and Engineering		
38.	Modelling of Artificial Neural Network to Validate the Experimental Data of a Laboratory Scale ROT	A. Ray Chaudhury, S. Maity, A. Chakrabarti, D. Bhattacharjee	Journal of Information Systems and Telecommunication (JIST)	2023	NA
39.	An Optimization Study of Cooling Rate of a Laboratory Scale ROT Based on Experimental Results	R. Ghosh, N. Bhattacharyya, A. Banerjee, L. Roy, D. Mukherjee, S. Singh, A. Chattopadhyay, T. Adhikari and S. K. Pal		2023	NA
40.	Fabrication of Cost-effective Three-axis portable mini-CNC milling Machine	A. Banerjee, N. Bhattacharyya, R. Ghosh, S. Singh, A. Adhikari, S. Mondal, L. Roy, A. Bajaj, N., Ghosh, A. Bhushan, M. Goswami, A. S. A. Ahmed, Z. Moussa, P. Mondal, S. Mukhopadhyay, D. Bhattacharyya, A. Chattopadhyay et al	Biosensors	2023	NA
41.	An Efficient Intrusion Detection System on Various Datasets Using Machine Learning Techniques	G. Ghosh, D. Mukherjee, R. Ghosh, P. Singh, U. Pal, A. Chattopadhyay et al	Scientific Reports	2023	NA
42.	Hurst Exponent Estimation Using Neural Network	Amit Bhattacharyya, Ayush Sarkar, Swapnendu Sarkar, Shristi Das, Soumyadeep Ghosh, Papiya Debnath, Debashis De and Manash Chanda	NanoWorld	2023	NA
43.	Comparative Study of 5G Signal Attenuation Estimation Models	Bhattacharyya, A., Paul, S., Debnath, P., De, D., Chanda, M. (2023).	Springer,	2023	NA
44.	S MDF: Spatial Mass Distribution Features and Deep Learning Based Technique for Human Activity Recognition	Suman Sarkar, Papiya Debnath, Debashis De and Manash Chanda;	Taylor & Francis,	2023	NA
45.	Sensing Bioavailable Water Content of Granulated Matrices: A Combined Experimental and Computational Study	Bhunias, B., Kar, T.K. & Debnath, P.	Int. J. Dynam. Control (2023).	2023	NA



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46.	Non-invasive estimation of hemoglobin, bilirubin and oxygen saturation of neonates simultaneously using whole optical spectrum analysis at point of care	Adrija Mukherjee, Papiya Debnath & Manash Chanda;	International Journal of Electronics (2023),	2023	NA
47.	A Novel Molecular Reporter for Probing Protein DNA Recognition: An Optical Spectroscopic and Molecular Modeling Study	Bhunia, B., Bhutia, L.T., Kar, T.K., Debnath, P.	Eur. Phys. J. Spec. Top. (2023).	2023	NA
48.	“Power and delay analysis of dielectric modulated dual cavity Junctionless double-gate field effect transistor based label-free biosensor”, Volume 99, 2022, 107828	Bikash Sadhukhan, Shayak Chakraborty, Somenath Mukherjee	Earth Science Informatics	2022	Online ISSN: 1865-0481 Print ISSN: 1865-0473
49.	Analytical Modelling of Dopingless (DL) Impact Ionization MOSFET (IMOS). Silicon (2022).	Lopamudra Dey, Sanjay Chakraborty, Saroj Kumar Pandey	The Protein Journal	2022	1875-8355
50.	A DFT Based Approach to Sense the SF <sub>6</sub> Decomposed Gases Using Ni-doped WS <sub>2</sub> Monolayer,	Sanjay Chakraborty, Hrithik Pal, Sayani Ghatak, Saroj Kumar Pandey, Amit Kumar, Kamred Udhham Singh, Mohd Asif Shah	IEEE ACCESS	2022	2169-3536
51.	Analytical Modelling of Dopingless (DL) Impact Ionization MOSFET (IMOS). 14, 11493–11501 (2022).	Taposi Chatterjee, Ersad Hossain, Samim Khan, Sourav Roy, Saikh Mohammad Wabaidur, Md Ataul Islam, Seikh Mafiz Alam, Mohammad Hedayetullah Mir	Journal of Molecular Structure	2022	Online ISSN: 1872-8014, Print ISSN: 0022-2861
52.	“A new analytical modelling of 10 nm negative capacitance-double gate TFET with improved cross talk and miller effects in digital circuit	Abhisek Roy, Anindita Ray, Indranil Mukherjee & Averi Banerjee	<u>Journal of the Institution of Public Health Engineers, India</u>	2022	ISSN: 0970-3195



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	applications”, Microelectronics Journal, Volume 133, 2023, 105689				
53.	Smart Irrigation System Using IoT	I. Mukherjee, E. Basu, D. Saha, A. Ganguly, A. Banerjee & A. Ray	Journal of the Institution of Public Health Engineers, India	2022	ISSN: 0970-3195
54.	Predicting the magnitude of an impending earthquake using deep learning techniques	Dr. Kashmi Mondal	Nuances: A Journal of Humanistic Enquiry	2022	ISSN: 2395-0943
55.	Up-Regulated Proteins Have More Protein-Protein Interactions than Down-Regulated Proteins	Dr. Kashmi Mondal	MSB: International Journal of Interdisciplinary Research	2022	ISSN: 2583-7192
56.	An AI-Based Medical Chatbot Model for Infectious Disease Prediction	Dr. Kashmi Mondal	MSB: International Journal of Interdisciplinary Research	2022	ISSN: 2583-7192
57.	Construction of a photoluminescent Zn(II)-based 2D MOF via in situ cis-trans isomerization of cis,cis-muconate ligand	Dr. Kashmi Mondal	MSB: International Journal of Interdisciplinary Research	2022	(ISSN: 2583-7192).
58.	A COMPARATIVE STUDY ON THE CHOICE OF MOST RELEVANT CARBON FOOTPRINT CALCULATOR FOR INDIA	Mahua Rakshit, Subhankar Bhattacharjee, Gautam Garai, Amlan Chakrabarti	Swarm and Evolutionary Computation	2022	Print ISSN: 2210-6502 Online ISSN: 2210-6510
59.	AN ATTEMPT TO ASSESS THE IMPACT OF ATMOSPHERIC POLLUTION ON THE WEATHER PATTERN IN AND AROUND KOLKATA OVER THE PERIOD (2015-2017)	S Banerjee, A Panda, I Pandey, P Bhowmick	Automatic Control and Computer Sciences	2022	ISBN: 0146-4116
60.	Use and Effectiveness of Online Mode of Instruction in the English Teaching Learning Process in the Private Engineering Colleges of West Bengal”	Avishek Paul, Nantu Das, Saurabh Pal & Madhuchhanda Mitra	Journal of The Institution of Engineers (India): Series B (2022)	2022	ISSN: 1876-1100 E-ISSN: 1876-1119





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61.	“Students Perspective on the Use and Effectiveness of Online Mode of Instruction in the English Teaching Learning Process In the Private Engineering Colleges of West Bengal under MAKAUT”	Subham Mukherjee, Sanchari Singha, Swarna Roy, Upama Dutta, Anusree Goswami, Madhurima Roy, Sriyani Mishra, Sandip Bhattacharya	<u>IJIREEICE</u>	2022	ISSN (Online) 2321-2004 ISSN (Print) 2321-5526
62.	“Love Never Dies- Vampire Myth, Dracula’s Pastness in Future and Future Past.”	Sarbani Dasgupta and Banani Saha	Telecommunication System, Springer	2022	ISSN1018-4864
63.	“The Tragical History of Doctor Faustus-A Psychoanalytic Reading.”	Nabanita Das, Bikash Sadhukhan, Tanusree Chatterjee & Satyajit Chakrabarti	Social Network Analysis and Mining, Springer Link	2022	18695450, 18695469
64.	A novel differential evolution algorithm for tone reservation based peak to average power ratio reduction technique in orthogonal frequency division multiplexing systems	Raja Karmakar, and Georges Kaddoum	IEEE Transactions on Mobile Computing	2022	1536-1233
65.	Parameter Estimation and Its Application on Designing Adaptive Nonlinear Model Based Control Schemes for the Time Varying System	Twinkle Chatterjee, Raja Karmakar, Georges Kaddoum, Samiran Chattopadhyay, and Sandip Chakraborty	IEEE Access	2022	2169-3536
66.	Automated Detection of Cardinal Points of ECG Signal for Feature Extraction Using a Single Median Filter	Raja Karmakar, Georges Kaddoum, and Samiran Chattopadhyay	IEEE Transactions on Mobile Computing	2022	1536-1233
67.	Smart Irrigation System Using IoT	Krishnendu Ghosh	Education and Information Technologies	2022	1573-7608 / 1360-2357
68.	HMA-ID mechanism: a hybrid mayfly optimisation HMA-ID mechanism: a hybrid mayfly optimisation based apriori approach for	Krishnendu Ghosh, Sharmila Reddy Nangi, Yashasvi Kanchugantla, Pavan Gopal Rayapati, Plaban Kumar Bhowmick, Pawan Goyal	International Journal of Artificial Intelligence in Education	2022	1560-4306



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	intrusion detection in big data application.				
69.	Effect of public sentiment on stock market movement prediction during the COVID-19 outbreak	Amalendu Singha Mahapatra, Dasgupta A, Shaw A.K, Sarkar B	RAIRO-Operations Research	2022	ISSN: 2804-7303
70.	IBAC: An Intelligent Dynamic Bandwidth Channel Access Avoiding Outside Warning Range Problem	Mrinmoy Ghosh, Partha Pratim Chakrabarty, Atish Dipankar Jana, Dieter Schollmeyer, Hiroshi Sakiyama, Masahiro Mikuriya, Rakesh Debnath, Paula Brandão, Dasarath Mal, Sandip Saha	Inorganica Chimica Acta	2022	ISSN:0020-1693
71.	A Survey of VANET/V2X Routing from the Perspective of Non-Learning- and Learning-Based Approaches	Basudeb Dutta, Sanobar Naaz, Taposi Chatterjee, Saikh Mohammad Wabaidur, Munirah D Albaqami, Reham Ghazi Alotabi, Md Ataul Islam, Seikh Mafiz Alam, Mohammad Hedayetullah Mir	Inorganica Chimica Acta	2022	Online ISSN: 1873-3255, Print ISSN: 0020-1693
72.	Mobility Management in 5G and Beyond: A Novel Smart Handover with Adaptive Time-to-Trigger and Hysteresis Margin	Dr. Sanjukta Chakraborty; Dr. Abhijit Lahiri; Dr. Bappa Das	Journal of Engineering and Thermal Sciences	2022	ISSN 2669-2465
73.	Remediating textbook deficiencies by leveraging community question answers	AK Pradhan, S Maiti, SK Biswas, S Mondal, M Maiti, K Bhattacharyya	Journal of Computational Electronics	2022	1572-8137
74.	Augmenting video lectures: Identifying off-topic concepts and linking to relevant video lecture segments	K Bhattacharyya, M Maiti, S Kumar Biswas, J Sanyal	Indian Journal of Science and Technology	2022	P-ISSN 0974-6846 E-ISSN 0974-5645
75.	An inventory model with uncertain demand under preservation strategy for deteriorating items	Ardhendu Shekhar Biswas, Sanjib Sil, Rabindranath Bera & Monojit Mitra	Arabian Journal for Science and Engineering	2022	Electronic ISSN 2191-4281
76.	Ligand mediated structural diversity of copper(II)-azido moiety: Synthesis,	Dr. Ratna Mandal, Prasenjit Karmakar, Soumyajit Chatterjee, Debaleen Das Spandan, Shouvit	ACM Transaction on internet of Things	2022	In Press



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	structure and magnetic study.	Pradhan,Sujoy Saha,Sandip Chakraborty, Subrata Nandi			
77.	3D supramolecular assembly of Cu(II) CP containing 1D zig-zag chain and 2D paddle-wheel net: Structural elucidation and investigation of band gap	Nabanita Das, BikashSadhukhan, Tanusree Chatterjee, Satyajit Chakrabarti	Social Network Analysis and Mining.	2022	Electronic ISSN 1869-5469
78.	Non linear effect on two dimensional thermoelastic rotating plate	Raj Kumar Samanta, Bikash Sadhukhan, Hiranmoy Samadder, Suvobrata Sarkar, Chandan Konar, Monideepa Ghosh	CAAI Transactions on Intelligence Technology	2022	ISSN 2468-2323
79.	Estimation and Optimization of Relative Dielectric Constant of Medium and Low Loss Dielectric Objects at Ka and mm-Wave Band Frequencies	A. Banerjee, D. Mukherjee, A. Bera, R. Ghosh, S. Mondal, S. Mukhopadhyay, R. Das, H. M. Altass, S. S. A. Natto, Z. Moussa, S. A. Ahmed, A. Chattopadhyay and S. K Pal	Spectrochimica Acta Part A	2022	NA
80.	Survey of Radiometric Techniques for Prediction of Meteorological Phenomena	N. Bhattacharyya, D. Mukherjee, S. Singh, R. Ghosh, S. Karmakar, A. Mallick, A. Chattopadhyay, et al	Scientific Reports	2022	NA
81.	Orthogonal Coded Spread Spectrum Digital Beamforming-Based 5G Receiver	Manik Shit, Sukanya Paul, Taposi Chatterjee, Basudeb Dutta, Chittaranjan Sinha	ES Energy & Environment	2022	ISSN: 2578-0646
82.	Exploiting Multi-modal Contextual Sensing for City-bus's Stay Location Characterization: Towards Sub-60 Seconds Accurate Arrival Time Prediction	Samim Khan, Taposi Chatterjee, Mohiuddin Sk, Masoom Raza Siddiqui, Saikh Mohammad Wabaidur, Md Ataul Islam, Seikh Mafiz Alam, Mohammad Hedayetullah Mir	Polyhedron	2022	ISSN:0277-5387
83.	Effect of public sentiment on stock market movement prediction during the COVID-19 outbreak	Dr.Sanjukta Chakraborty; Dr.AbhijitLahiri; Dr.Bappa Das	Journal of Engineering and Thermal Sciences	2022	ISSN 2669-2465
84.	Scope of machine learning applications for addressing the challenges in next-	<u>Bikash Sadhukhan</u> , <u>Somenath Mukherjee</u> , <u>Shayak Chakraborty</u>	Arabian Journal of Geosciences, Springer	2022	Electronic ISSN : 1866-7538



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	generation wireless networks				Print ISSN : 1866-7511
85.	Molecular Co-localization of Multiple Drugs in a Nanoscopic Delivery Vehicle for Potential Synergistic Remediation of Multi-drug Resistant Bacteria	Dr. Amalendu Singha Mahapatra, Dr. Maheswar Singha Mahapatra, Dr. Biswajit Sarkar, Prof (Dr.) Sanat K. Majumder	Expert Systems with Applications	2022	ISSN: 0957-4174
86.	“Seeing‘ Invisible Volatile Organic Compound (VOC) marker of Urinary Bladder Cancer: A Development from Bench to Bedside Prototype Spectroscopic Device”	Santanu Sardar, Gopi Krishna Mamidal, Santanu Kumar Karmakar and Arindam Roy Goswami	Transactions of the Indian Institute of Metals (Science Citation Index Expanded)	2022	ISSN / eISSN: 0972-2815 / 0975-1645
87.	Towards Design of Energy Efficient Semiconducting Material: An Example of 1D Cd (II)-2, 5-thiophene dicarboxylato Co-ordination Polymer	Ruby Haldar, Abhimanyu Kumar, Trishit Janah, Prabir Biswas	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022	ISSN: 2321-9653
88.	cis, cis-Muconato bridged Cd(II) based linear trinuclear SBUs forming 2D MOF: Synthesis, crystal structure, Hirshfeld analysis and photoluminescence study	Prof. Prabir Biswas, Ruby Haldar, Abhimanyu Kuma , Trishit Janah (Students)	International Journal for Research in Applied Science & Engineering Technology (IJRASET)ISSN: 2321-9653; IC Value: 45.98; Volume 10 Issue II Feb 2022.	2022	ISSN: 2321-9653
89.	Eigen value approach with memory dependant derivative on homogeneous isotropic infinitely extended rotating plate of a finite thickness in absence of heat source	Prof. Hrishita Barman	International Journal of Scientific Research in Engineering and Management (IJSREM)	2022	ISSN: 2582-3930
90.	Investigating the relationship between earthquake occurrences and climate change using RNN-	Dr. Tapas kumar Nandi, Shrinjoy Sen (Student)	Journal of Mechanics of Continua and Mathematical Science	2022	ISSN (Print) 0973-8975



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	based deep learning approach				
91.	Benefit of preservation technology with promotion and time-dependent deterioration under fuzzy learning	Prof. Ivy Das Chowdhury Kaushik Sengupta , Anubhav Banerjee, Arpan K. Mondal, D. Bose	Materials Today:Proceeding <a href="https://doi.org/10.1016/j.matpr.2022.01.475">https://doi.org/10.1016/j.matpr.2022.01.475</a>	2022	ISSN:2214-7853
92.	A Comparative Study of Contact Temperature Models for Selected Sliding Pairs	Santanu Duari, Tapas Kumar Nandi	International Journal for Research in Applied Science & Engineering Technology (IJRASETI	2022	ISSN : 2321-9653
93.	Experimental Investigation of Heat Transfer by Forced and Natural Convection in a Pin Fin for Different Materials	Dr. Santanu Duari, Ruby Halder (Student)	International Journal for Research in Applied Science & Engineering Technology (IJRASETI	2022	ISSN : 2349-5162
94.	Experimental Investigation of Heat Transfer by Forced and Natural Convection in a Pin Fin for Different Materials	Dr. Santanu Duari, Anustup Chatterjee, Hrishita Barman, Sumit Dey, Aniket Maity, Arindam Roy Goswami, Prabir Biswas	International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.9	2022	ISSN:2349-5162
95.	Vibration Analysis of Composite plate with Central rectangular cut-out using FEM	Ardhendu Shekhar Biswas	Innovations in Systems and Software Engineering	2022	1614-5054,1614-5046
96.	CFD analysis for heat transfer and pressure drop in tube bundle of cross flow heat exchanger	Ayindrila Roy, Jitendranath Bera and Gautam Sarkar	Electric Power System Research	2022	0378-7796
97.	Analysis of suitability of WC tool for joining Inconel 601 alloy by electric assisted friction stir welding	Monalisa Datta, Dipu Sarkar	Journal of The Institution of Engineers (India): Series B	2022	2250-2106
98.	A Numerical Study on Fluid Flow and Heat Transfer in a Flow Interrupting Ribbed	Arabindo Chandra, Soumyajit Datta, Sumana Chowdhuri	Electrical Engineering	2022	0948-7921





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99.	Optimization of Process Parameters in CNC Turning of Copper and Aluminium Alloy Using Taguchi Approach	A. Banerjee, S. Singh, R. Ghosh, M. N. Hasan, A. Bera, L. Roy, N. Bhattacharya, A. Halder, A. Chattopadhyay, et al	Review of Scientific Instruments (2022)	2022	NA
100.	An Investigation: Effect of Resistance for Different Passenger Cars	Neha Bhattacharyya, Soumendra Singh, Ria Ghosh, Amrita Banerjee, Aniruddha Adhikari, Animesh Halder, Mahasweta Goswami, Arpita Chattopadhyay, Pulak Mondal, Sameer S. A. Natto, Saleh A. Ahmed, Asim Kumar Mallick, and Samir Kumar Pal	Physics of Fluids	2022	Print: ISSN 1070-6631 Online: ISSN 1089-7666
101.	Realization of 5G V2V communication system at 28 GHz for smart vehicle	Nivedita Pan, Neha Bhattacharyya, Amrita Banerjee, Pritam Biswas, Lopamudra Roy, Arka Chatterjee, Rama Bhattacharjee, Soumendra Singh, Saleh A. Ahmed, Arpita Chattopadhyay, Mala Mitra and Samir Kumar Pal	New journal of Chemistry	2022	ISSN 1369-9261
102.	An efficient condition monitoring in real time with state evaluation and observability analysis for multi-fed radial distribution network	Mukherjee, M., Guha, S., Debnath, P. et al.	Silicon (2022).	2022	NA
103.	Optimum Bidding Strategy for Power Industry with Inelastic Demand using Water Cycle Algorithm	Aniket Maiti, G.Dutta	KINDLER–The Journal of AIMK, 41.	2021	ISSN0973-0486
104.	Sensor less vector control of PM synchronous motor by hybrid estimation technique considering effect of non-ideal physical attributes	Ankita Chanda , Ankadeep Swar, Vivekananda Mukherjee	IJIREEICE	2021	ISSN (O) 2321-2004, ISSN (P) 2321-5526
105.	A portable spectroscopic instrument for multiplexed monitoring of acute water	El-Attar, A., Ashour, A. S., Dey, N., Abdelkader, H.,	Journal of Experimental & Theoretical	2021	13623079, 0952813X



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	toxicity: Design, testing and evaluation	Abd El-Naby, M. M., & Sherratt, R. S.	Artificial Intelligence		
106.	Development of a smart active respirator for comfortable and hygienic breathing	Lan, K., Fong, S., Liu, L. S., Wong, R. K., Dey, N., Millham, R. C., & Wong, K. K.	Enterprise Information Systems, Taylor & Francis	2021	1751-7575
107.	Paper based Plasmonic Nanosensor Monitors Environmental Lead Pollution in Real Field	Ahuja, S., Panigrahi, B. K., Dey, N., Rajinikanth, V., & Gandhi, T. K.	Applied Intelligence	2021	0924669X, 15737497
108.	Analytical Modelling of Dopingless (DL) Impact Ionization MOSFET (IMOS). Silicon (2022).	Ahuja, S., Panigrahi, B. K., Dey, N., Rajinikanth, V., & Gandhi, T. K.	International Journal of Parallel Programming	2021	0885-7458
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112.	A Clustering based Variable Sub-window Optimization Approach using PSO for Biomedical Sensor Data Monitoring	Mousumi Kundu, Sayan Biswas, Sanhita Basu	International Journal of New Innovations in Engineering and Technology	2021	ISSN: 2319-6319
113.	Deep transfer learning-based automated detection of COVID-19 from lung CT scan slices	Anwasha Dutta Ain	Revista Canaria de Estudios Ingleses (RCEI) on Indian Cinemas and Visual Representations of Indian Cultures (Vol. 83, Universidad de la Laguna, Spain)	2021	ISSN: 0211-5913 (print edition) e-2530-8335 (digital edition)



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114.	iGridEdgeDrone: Hybrid Mobility Aware Intelligent Load Forecasting by Edge Enabled Internet of Drone Things for Smart Grid Networks	Das Saptorshi, Isa Mishra, Sayantika Bose Chakraborty	Turkish Journal of Computer & Mathematics Education Journal, Scopus Q4	2021	ISSN: 1309-4653
115.	A Hybrid Shape-based Image Clustering using Time-series Analysis	Nilanjana Adhikari, Suman Bhattacharya, Mahamuda Sultana	International Journal of Computer Information Systems and Industrial Management Applications	2021	ISSN 2150-7988
116.	Genetic Algorithm-based Initial Contour Optimization for Skin Lesion Border Detection	Raj Kumar Samanta, Bikash Sadhukhan, Hiranmay Samaddar, Suvabrata Sarkar, Chandan Koner, Arpan Choudhary	INFOCOMP Journal of Computer Science	2021	2347-2693 (Online)
117.	A New SEAIRD Pandemic Prediction Model with Clinical and Epidemiological Data Analysis on COVID-19 Outbreak	Taposi Chatterjee, Basudeb Dutta, Rajdip Roy, Masoom Raza Siddiqui, Saikh Mohammad Wabaidur, Md Ataul Islam, Faruk Ahmed, Seikh Mafiz Alam, Mohammad Hedayetullah Mir	Inorganica Chimica Acta	2021	ISSN 1873-3255
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119.	A Reading of Satyajit Ray's Pather Panchali and Agantuk as Subtexts of Fictional Ethnography	Bikash Sadhukhan, Somenath Mukherjee, Debarpito Sarkar, Raj Kumar Samanta	Arabian Journal of Geosciences, Springer	2021	Electronic ISSN : 1866-7538 Print ISSN : 1866-7511
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122.	Stochastic Model for Intelligent Cell Level Mobility Prediction in Next Generation Wireless Networks	Dr. Asim Datta, Dr. Debaparna Sengupta	International Journal of Renewable Energy Research- IJRER	2021	Online ISSN: 1309-0127
123.	Synthesis, characterization and exploration of supramolecular interactions of a Cu (II) based 1D zig-zag coordination polymer: X-ray structure determination and DFT study	Dr. Asim Datta, Dr. Debaparna Sengupta	Electrical Engineering and Electromechanics	2021	ISSN 2074-272X (Print), ISSN 2309-3404 (Online)
124.	Stock Market Prediction Using Deep Learning Algorithms	Dr. Asim Datta, Dr. Debaparna Sengupta	International Journal of Electrical Engineering and Technology (IJEET)	2021	SSN Print: 0976-6545, ISSN Online: 0976-6553
125.	Investigating the Relationship between Earthquake Occurrences and Global Temperature Fluctuation Patterns	Prof. Ivy Das Chowdhury Kaushik Sengupta, Swapna Roy, Sujit Ghosal, Kaustav Kumar Maji (Student)	Materials Today: Proceedings. Volume 50, Part 5, 2022, Pages 1221-1225	2021	ISSN:2214-7853
126.	Multifractal, Nonlinear and Chaotic nature of Earthquake and Global Temperature	Prof. Ivy Das Chowdhury, Kaushik Sengupta, Dilip K. Singh, Swapna Roy, Sujit Ghosal, A.K. Mondal, Kaustav Kumar Maji (Student)	Materials Today: Proceedings. Volume 50, Part 5, 2022, Pages 1527-1534	2021	ISSN:2214-7853
127.	Impact of Climate Change on Seismicity: A Statistical Approach	Prof. Ivy Das Chowdhury Kaushik Sengupta, Anubhav Banerjee, Arpan K. Mondal, D. Bose	Materials Today: Proceedings. Volume 46, Part 20, 2021, Pages 10628-10633	2021	ISSN:2214-7853
128.	Renewable Energy Supported Bi-directional Electric-Vehicle Charging Station Allocation in Distribution Network using INBPSO Technique	Prof. Anustup Chatterjee, Diptarka Das (Student)	Kindler, ISSN 0973-0486, Vol XX- january-december-2020, Pg 38-46	2021	ISSN 0973-0486
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130.	VOLTAGE PROFILE IMPROVEMENT IN POWER DISTRIBUTION NETWORK: EFFECTIVE DEPLOYMENT OF SOLAR POWERED ELECTRIC VEHICLE CHARGING STATIONS	Prof. Aniket Maiti, Tamal Bera, Soumik Das (Students)	International Journal of Advanced Engineering Science and Technological Research (IAESTR)	2021	2394-9627
131.	Experimental study of tool wears to join Al6026 aluminium alloy by Ultrasonic Assited Friction Stir Welding	Manabendra Maiti Kausik Bhattacharyya Salil Kumar Biswas Md Anoarul Islam Ayan Pradhan Judhajit Sanyal	Indian Journal of Science and Technology	2021	Print: 0974-6846 Electronic: 0974-5645
132.	Investigation of mechanical properties of dissimilar joint of Al6063 aluminium alloy and C26000 copper alloy by ultrasonic assisted friction stir welding	Ardhendu Shekhar Biswas, Sanjib Sil, Rabindranath Bera, Monojit Mitra	INTL JOURNAL OF ELECTRONICS AND TELECOMMUNICATIONS	2021	eISSN: 2300-1933
133.	Characterization of tool wear in i-FSW of AISI 316L material joining	Taposi Chatterjee, Basudeb Dutta, Samim Khan, Sakhiul Islam, Amer M. Alanazi, Saikh M. Wabaidur, Seikh Mafiz Alam, Mohammad Hedayetullah Mir	Inorganica Chimica Acta	2021	0020-1693
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135.	Design, Development and Application of Robotic Arm in the Field of Archaeological Excavations	Arabindo Chandra, Soumyajit Datta, Sumana Chowdhuri	Electrical Engineering	2021	0948-7921
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	Connectivity for Rural Indian Sectors – ending the Digital Divide	Dey, and Sumana Chowdhuri	Engineering & Technology		
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149.	An Application Of Fractional Calculus To Geophysics: Effect Of A Strike-Slip Fault On Displacement, Stresses And Strains In A Fractional Order Maxwell Type Visco-Elastic Half Space	Arghya Kusum Das	GIS Science Journal	2021	ISSN NO : 1869-9391
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151.	Analysis of Earthquake Forecasting in India Using Supervised Machine Learning Classifiers	Raja Karmakar, Samiran Chattopadhyay, and Sandip Chakraborty	Computer Networks, Elsevier	2020	1389-1286
152.	Efficient Data Storage and Name Look-up in Named Data Networking using Connected Dominating Set and Patricia Trie	Raja Karmakar, Samiran Chattopadhyay, and Sandip Chakraborty	IEEE Transactions on Wireless Communications	2020	1536-1276
153.	IPLQueen: Integrity Preserving Low-Overhead Query Handling Over NDN-Based WSN	Cao, L., Dey, N., Ashour, A. S., Fong, S., Sherratt, R. S., Wu, L., & Shi, F. (2020). Diabetic plantar pressure analysis using image fusion. Multimedia Tools and	Multimedia Tools and Applications	2020	13807501, 15737721



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	convolutional neural networks	Medical Imaging, 16(10), 1214-1228.			
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		Intelligence, 50(11), 3990-4016.			
175.	Data Tagging In Medical Images: A Survey of the State-of-art	Wang, Y., Wu, Q., Dey, N., Fong, S., & Ashour, A. S. (2020). Deep back propagation–long short-term memory network based upper-limb sEMG signal classification for automated rehabilitation. <i>Biocybernetics and Biomedical Engineering</i> , 40(3), 987-1001.	Biocybernetics and Biomedical Engineering	2020	2085216
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180.	Economic Data Analytic AI Technique on IoT Edge Devices for Health Monitoring of Agriculture Machines	Gupta, N., Khosravy, M., Patel, N., Dey, N., & Mahela, O. P.	Soft Computing	2020	1432-7643 (Print) 1433-7479 (Online)
181.	Deep Back Propagation-Long Short Term Memory Network-based Upper-limb sEMG Signal Classification for Automated Rehabilitation	Kuang, Y., Wu, Q., Wang, Y., Dey, N., Shi, F., Crespo, R. G., & Sherratt, R. S.	Applied Soft Computing	2020	1568-4946



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183.	Lightweight Artificial Intelligence Technology for Health Diagnosis of Agriculture Vehicles	Das Saptorshi Das, Isa Mishra, Sayantika Bose Chakraborty	TEST Engineering and Management Journal	2020	ISSN: 0193 – 4120
184.	Social-Group-Optimization Assisted Kapur's Entropy and Morphological Segmentation for Automated Detection of COVID-19 Infection from Computed Tomography Images	Kausik Bhattacharyya, Manabendra Maiti, Salil Kumar Biswas, Md Anoarul Islam, Ayan Kanti Pradhan, Pradip Kumar Ghosh, Judhajit Sanyal	Journal of Mechanics of Continua and Mathematical Sciences	2020	ISSN (Online) : 2454 -7191
185.	PCHET: An Efficient Programmable Cellular Automata Based Hybrid Encryption Technique for Multi-Chat Client-Server Applications	Prof. Ivy Das Chowdhury, Kaushik Sengupta, Dilip K. Singh, Abhijit Daskarmakar, Swapna Roy, Sujit Ghosal, A.K. Mondal	Materials Today: Proceedings. Volume 44, Part 6, 2021, Pages 4024-4030	2020	ISSN:2214-7853
186.	Mendelian Evolutionary Theory Optimization Algorithm	Prof. Ivy Das Chowdhury, Kaushik Sengupta, Dilip K. Singh, Swapna Roy, Sujit Ghosal, A.K. Mondal, Kaustav Kumar Maji (Student)	Materials Today:Proceedings.doi.org/10.1016/j.matpr.2020.10.011 Pages 4039-4047	2020	ISSN:2214-7853
187.	Simplified inverse filter tracked affective acoustic signals classification incorporating deep convolutional neural networks	Prof. Ivy Das Chowdhury, Kaushik Sengupta, Dilip K. Singh, Swapna Roy, Sujit Ghosal, Arpan Kr Mondal, Ujan Sengupta (Student)	Materials Today: Proceedings 44(2).DOI:10.1016/j.matpr.2020.10.011 Pages 3959-3966	2020	ISSN:2214-7853
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190.	Short Term Rain Forecasting from Radiometric Brightness Temperature Data	SushmaVerma, IndranilMukherjee,Provas Roy and BarunMondal	indian journal of environmental protection	2020	0253-7141
191.	Investigation of mechanical properties of Al6061-T6 alloy by EAFSW with straight and reverse polarity of direct current	Satabdi Chatterjee,Indranil Mukherjee,Barun Mondal	indian journal of environmental protection	2020	ISSN:0253-7141
192.	Investigation of mechanical properties of dissimilar joint of 6063 Aluminium and C26000 Copper Alloy by Friction Stir Welding	Srijan Sengupta, Uttam Ghosh, Susmita Sarkar, Shantanu Das	Journal of Applied Nonlinear Dynamics	2020	ISSN:2164-6457 (print) ISSN:2164-6473 (online)
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194.	EMOFY: Emotional Data Acquisition within a controlled stimulus environment	Trilochan Patra, Swarup Kumar Mitra	Wireless Communications and Mobile Computing, WILEY-Hindawi	2020	ISSN: 1530-8669
195.	Real Time Stability Analysis with Distributed Generation in Multifed RDN using PMU and Feed Forward Technique	Ahmed J. Obaid, Tanusree Chatterjee, Abhishek Bhattacharya	Energy Web Journal, EAI Transactions	2020	
196.	Analysing the contribution of Municipal Solid Waste for the metropolis Mumbai, Hyderabad, Kolkata to Energy Generation	Dr. Milan Basu	Springer IEI	2020	2250-2106
197.	Sensitivity analysis for microcommunity	K. Karmakar, R.K. Das and S. Khatua	Journal of Supercomputing	2020	Print ISSN: 0920-8542 Electronic ISSN: 1573-0484
198.	Prediction of Ventricular Hypertrophy of Heart Using Fractional Calculus	Mahua Rakshit, Subhankar Bhattacharjee, Gautam Garai, Amlan Chakrabarti,	SN Computer Science	2020	Electronic ISSN 2661-8907



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199.	Interaction among neighbouring rectangular finite strike slip faults in a linear viscoelastic half space representing lithosphere-asthenosphere system	Dipanwita Ganguly, Saborni Das, Abhik Hazra, Ashish Laddha, Mousumi Basu	International Journal (Inderscience)	2019	
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201.	Semantic Web and Web Page Clustering Algorithms: A Landscape View	Arun Prakash Roy, Debajyoti Halder, Gourab Biswas, Haris Jamal, Indrasish Banerjee, Subhankar Bhattacharjee	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	2019	ISSN (Online) 2321-2004 ISSN (Print) 2321-5526
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203.	Bandwidth allocation for communicating virtual machines in cloud data centers	Satavisha Mitra, Rounak Ghosh, Koushik Ghosh, Himadri Santra , Vivekananda Mukherjee	IJIREEICE	2019	ISSN (Online) 2321-2004 ISSN (Print) 2321-5526
204.	A Novel Distributive Population-Based Differential Evolution Algorithm for SLM Scheme to Reduce PAPR in Massive MIMO-OFDM Systems	Raja Karmakar, Samiran Chattopadhyay, and Sandip Chakraborty	IEEE Transactions on Wireless Communications	2019	1536-1276
205.	Improved real coded genetic algorithm-based short-term hydrothermal	Nguyen, G. N., Son, L. H., Ashour, A. S., & Dey, N. (2019). A survey of the state-of-the-arts on neutrosophic sets in biomedical diagnoses. International Journal of	International Journal of Machine Learning and Cybernetics	2019	1868-8071





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214.	Texture Spectrum coupled with Entropy and Homogeneity Image Features for Myocardium Muscle Characterization	Li, Z., Janardhanan, M. N., Ashour, A. S., & Dey, N. (2019). Mathematical models and migrating birds optimization for robotic U-shaped assembly line balancing problem. Neural Computing and Applications, 31(12), 9095-9111.	Neural Computing and Applications	2019	1433-3058
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220.	Mathematical models and migrating birds optimization for robotic U- shaped assembly line balancing problem	Mukherjee, A., Dey, N., Kumar, R., Panigrahi, B. K., Hassanien, A. E., & Tavares, J. M. R. (2019). Delay Tolerant Network assisted flying Ad-Hoc network scenario: modeling and analytical perspective. Wireless Networks, 25(5), 2675- 2695.	Wireless Networks	2019	10220038, 15728196
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	features, fuzzy-color and edge texture histogram descriptors with multi-layer perceptron	& Sherratt, R. S. (2019). Multi-modal classifier fusion with feature cooperation for glaucoma diagnosis. Journal of Experimental & Theoretical Artificial Intelligence, 31(6), 841-874.	Theoretical Artificial Intelligence		
222.	Pattern Mining Approaches used in Sensor-Based Biometric Recognition: A Review	Li, Z., Wang, D., Dey, N., Ashour, A. S., Sherratt, R. S., & Shi, F. (2019). Plantar pressure image fusion for comfort fusion in diabetes mellitus using an improved fuzzy hidden Markov model. Biocybernetics and Biomedical Engineering, 39(3), 742-752.	Biocybernetics and Biomedical Engineering	2019	2085216
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224.	Uneven Illumination Correction of Digital Images: A Survey of the State-of-the-Art	Das Saptorshi, Sayantika Bose Chakraborty	IAETSD Journal for Advanced Research in Applied Sciences	2019	ISSN: 2394 – 8442
225.	An efficient local binary pattern based plantar pressure optical sensor image classification using convolutional neural networks	Partha Pratim Chakrabarty, Pritam Singha, Kamalika Sen, Sandip Saha, Dieter Schollmeyer	Journal of Indian chemical society	2019	ISSN (Online): 0019-4522
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227.	Multi-Modal Classifier Fusion with Feature Cooperation for Glaucoma Diagnosis	Dr. Bappa Das, Sanjukta Chakraborty, Dr. Abhijit Lahiri	“International Journal of Applied and Computational Mathematics”, 2019,	2019	ISSN 2328-5605
228.	Plantar pressure image fusion for comfort fusion in diabetes mellitus using an improved fuzzy hidden Markov model	Anindita Ray Mina Ray Amitabha Basuray	Optical engineering	2019	0091-3286, 1560-2303
229.	Social-Group-Optimization based Tumor Evaluation Tool for Clinical Brain MRI of Flair/Diffusion-Weighted Modality	S Mondal, M Maiti, S Sil, PK Karmakar	Advances in Space Research	2019	0273-1177
230.	Social Media and English Language	Mahua Rakshit, Subhankar Bhattacharjee, Sanjib Sil, Amlan Chakrabarti,	Arabian Journal for Science and Engineering, Springer (SCIE)	2019	Electronic ISSN 2191-4281
231.	An Azido Adduct of Schiff Base Manganese (III) Phenoxo-Bridged Dimer in dual action: Sensing of Benzene and phenoxazones syntheses activity	B.Das, S. Chakraborty And A. Lahiri	Mechanics of Advanced Materials and Structures	2019	ISSN 2328-5605
232.	Immigration, Diaspora and Home: Does life give a second chance?	Dr. Amalendu Singha Mahapatra, Dr. Biswajit Sarkar, Dr. Maheswar Singha Mahapatra, Dr. Hardik Soni, Prof (Dr.) Sanat K. Majumder	Inventions	2019	ISSN: 2411-5134
233.	Nonlinear thermoelastic analysis of an anisotropic rectangular plate	Prof. Anustup Chatterjee, Sayan Chatterjee, Abhirup Ghosh, Talha Khan, Soumyadip Roy, Mainak Biswas (Students)	3rd International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech) (pp. 1-5). IEEE	2019	ISBN:978-1-7281-5543-2
234.	Plane wave spectrum analysis of transverse discontinuities in dielectric waveguide I. Reflection coefficients	Prof. Anustup Chatterjee, Argha Bose (Student)	In Reason-A Technical Journal, i-scholar ISSN 2277-1654 (volume 16, pp.22-25). i-scholar	2019	ISSN 2277-1654





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235.	Identification of window frequency at different places of India	Dr. Ayan Chakraborty	International Journal of Advanced Intelligence Paradigms (Elsevier Scopus)	2019	ISSN: 1755-0386
236.	Hybrid Turbo Coding PTS with Enhanced Switching Algorithm Employing DE to Carry Out Reduction in PAPR in AUL-Based MIMO-OFDM	Sarasij Majumdar	International Journal of Innovative Knowledge Concepts,	2019	ISSN : 2454-2415
237.	Non-linear thermoelastic analysis of an anisotropic rectangular plate	Syamasree Biswas Raha	IEEE Transactions on Industrial Application	2019	0093-9994
238.	Development of a fuzzy economic order quantity model of deteriorating items with promotional effort and learning in fuzziness with a finite time horizon	Joyati Chattopadhyay	IJIREEICE	2018	ISSN (Online) 2321-2004
239.	Modeling of Pretreatment Process of Lignocellulosic Biomass by Dilute Acid Hydrolysis	Abhijit Kumar Bhagat1 M C Chattopadhyay2	Journal of Emerging Technologies and Innovative Research	2018	ISSN-2349-5162
240.	Probabilistic Behavior and Entropy Variation in Traffic Flow	Ashour, A. S., Beagum, S., Dey, N., Ashour, A. S., Pistolla, D. S., Nguyen, G. N., ... & Shi, F. (2018). Light microscopy image de-noising using optimized LPA-ICI filter. Neural Computing and Applications, 29(12), 1517-1533.	Neural Computing and Applications	2018	1433-3058
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242.	A Study on Security Aspects in Ad Hoc Cloud Networks	Chatterjee, S., Dey, N., Shi, F., Ashour, A. S., Fong, S. J., & Sen, S. (2018). Clinical application of modified bag-of-features coupled with hybrid neural-based classifier in dengue fever classification using gene expression data. Medical & biological engineering & computing, 56(4), 709-720.	Medical & biological engineering & computing	2018	0140-0118 (print); 1741-0444 (web)
243.	Hybrid SMES based Reactive Power Dispatch by Cuckoo Search Algorithm	Rajinikanth, V., Dey, N., Satapathy, S. C., & Ashour, A. S. (2018). An approach to examine magnetic resonance angiography based on Tsallis entropy and deformable snake model. Future Generation Computer Systems, 85, 160-172.	Future Generation Computer Systems	2018	0167-739X
244.	Performance Analysis of Dual Axis Solar Tracker	Dey, N., Ashour, A. S., Shi, F., Fong, S. J., & Tavares, J. M. R. (2018). Medical cyber-physical systems: A survey. Journal of medical systems, 42(4), 1-13.	Journal of medical systems	2018	01485598, 1573689X
245.	DEVELOPMENT OF DUAL SOLAR TRACKER FOR INCREASED ELECTRICITY GENERATION	Das, Subhram, Tamal Deb, Nilanjan Dey, Amira S. Ashour, D. K. Bhattacharya, and D. N. Tibarewala.	Genomics	2018	0888-7543
246.	Light Microscopy Image De-noising using Optimized LPA-ICI Filter	Chuan, Pham Minh, Le Hoang Son, Mumtaz Ali, Tran Dinh Khang, Le Thanh Huong, and Nilanjan Dey.	Applied Intelligence	2018	0924669X, 15737497
247.	Dental Diagnosis from X-Ray Images: An Expert System based on Fuzzy Computing	Li, Z., Dey, N., Ashour, A. S., & Tang, Q.	Neural Computing and Applications	2018	1433-3058
248.	Clinical application of modified Bag-of-Features coupled Hybrid Neural based classifier in Dengue Fever Classification using Gene Expression Data	Tian, Z., Dey, N., Ashour, A. S., McCauley, P., & Shi, F. (2018). Morphological segmenting and neighborhood pixel-based locality preserving projection on brain fMRI dataset for semantic feature	Neural Computing and Applications	2018	1433-3058



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		extraction: an affective computing study. Neural Computing and Applications, 30(12), 3733-3748.			
249.	An approach to examine Magnetic Resonance Angiography based on Tsallis entropy and deformable snake model.	Jagatheesan, K., Anand, B., Dey, K. N., Ashour, A. S., & Satapathy, S. C. (2018). Performance evaluation of objective functions in automatic generation control of thermal power system using ant colony optimization technique-designed proportional–integral–derivative controller. Electrical Engineering, 100(2), 895-911.	Electrical Engineering	2018	0948-7921 (Print) 1432-0487 (Online)
250.	Medical cyber-physical systems: A survey	Zhao, X., Cheng, X., Zhou, J., Xu, Z., Dey, N., Ashour, A. S., & Satapathy, S. C. (2018). Advanced topological map matching algorithm based on D–S theory. Arabian Journal for Science and Engineering, 43(8), 3863-3874.	Arabian Journal for Science and Engineering	2018	2191-4281
251.	Optimal Choice of k-mer in Composition Vector Method for Genome Sequence Comparison	Wang, D., He, T., Li, Z., Cao, L., Dey, N., Ashour, A. S., ... & Shi, F.	Neural Computing and Applications	2018	1433-3058
252.	Link Prediction in Co-authorship Networks based on Hybrid Content Similarity Metric	Kamal, S., Dey, N., Nimmy, S. F., Ripon, S. H., Ali, N. Y., Ashour, A. S., ... & Shi, F.	Neural Computing and Applications	2018	1433-3058
253.	Discrete cuckoo search algorithms for two-sided robotic assembly line balancing problem	Dănilă, Emilian, Luminita Moraru, Nilanjan Dey, Amira S. Ashour, Fuqian Shi, Simon James Fong, Salam Khan, and Anjan Biswas.	Optik - International Journal for Light and Electron Optics	2018	0030-4026
254.	Morphological segmenting and neighborhood pixels based Locality preserving projection on brain fMRI dataset for semantic feature extraction: an affective computing study	Deb, S., Tian, Z., Fong, S., Tang, R., Wong, R., & Dey, N.	Soft Computing	2018	14327643, 14337479



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255.	Performance Evaluation of Objective Functions in Automatic Generation Control of Thermal Power System Using Ant Colony Optimization Technique Designed Proportional-Integral-Derivative Controller	Fong, S., Li, J., Song, W., Tian, Y., Wong, R. K., & Dey, N. (2018). Predicting unusual energy consumption events from smart home sensor network by data stream mining with misclassified recall. Journal of Ambient Intelligence and Humanized Computing, 9(4), 1197-1221.	Journal of Ambient Intelligence and Humanized Computing	2018	1868-5137
256.	Advanced Topological Map-matching Algorithm based on D-S Theory	Raja, N., Fernandes, S. L., Dey, N., Satapathy, S. C., & Rajinikanth, V. (2018). Contrast enhanced medical MRI evaluation using Tsallis entropy and region growing segmentation. Journal of Ambient Intelligence and Humanized Computing, 1-12.	Journal of Ambient Intelligence and Humanized Computing	2018	1868-5137 (Print) 1868-5145 (Online)
257.	Image Features based Affective Retrieval employing Improved Parameter and Structure Identification of Adaptive Neuro Fuzzy Inference System	Zhao, X., Hao, R., Zhou, Z., Ashour, A., & Dey, N.	International Journal of Automotive Technology	2018	1229-9138
258.	Evolutionary Framework for Coding Area Selection from Cancer Data	Lan, K., Wang, D. T., Fong, S., Liu, L. S., Wong, K. K., & Dey, N.	Journal of medical systems	2018	01485598, 1573689X
259.	Multifractal Analysis of Ceramic Pottery SEM Images in Cucuteni-Tripolye Culture	Tanusree Chatterjee, Sushmita Ruj, Sipra Das Bit	Computer Journal, IEEE	2018	EISSN: 1558-0814
260.	Solving Permutation Flow Shop Scheduling Problem by Rhinoceros Search Algorithm	Das Saptorshi, Sayantika Bose Chakraborty	IAETSD Journal for Advanced Research in Applied Sciences	2018	ISSN: 2394 – 8442
261.	Predicting Unusual Energy Consumption Events from Smart Home Sensor Network by Data Stream Mining with Misclassified Recall	Dr. Bappa Das, Sanjukta Chakraborty, Dr. Abhijit Lahiri	“International Journal of Applied and Computational Mathematics”, 2018, vol.4, No.92, 14 pages	2018	ISSN 2328-5605



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262.	Contrast Enhanced Medical MRI Evaluation using Tsallis Entropy and Region Growing Segmentation	MM Trilochan Patra, Sanjib Sil	Journal of Mechanics of Continua and Mathematical Sciences	2018	ISSN (Online) : 2454 -7190
263.	A Novel Bench-based Inspection Approach for Automobile Anti-Lock Braking System	Mahua Rakshit, Subhankar Bhattacharjee, Sanjib Sil, Amlan Chakrabarti	Physical Communication, Elsevier	2018	1874-4907 ISSN
264.	A Survey of Data Mining and Deep Learning in Bioinformatics	Vivekananda Mukherjee , Arnab Ghosh , Bayan Das , Binisha Chowdhury, Ankan Das	IJIREEICE	2018	ISSN (Online) 2321-2004 ISSN (Print) 2321- 5526
265.	Security Issues in Named Data Networks	Dr. Tapas Kumar Nandi, Suvanjan Bhattacharyya, Sampad Gobinda Das, Arnab Banerjee, Himadri Chattopadhyay	Biosensors and Bioelectronics	2018	NA
266.	Social Media and English Language	Raunak Ghosh , Rajeswari Banik, Koushik Ghosh , Vivekananda Mukherjee	IJIREEICE	2018	ISSN (Print) 2321-5526
267.	Generalized Magnetoelastostatic Interaction for a Rotating Half Space	Dipanwita Bhaumik, Esha Chakraborty, Pronoy Das, Rindan Mukherjee, Riya Das, Shobhna Kailash, Ardhendu Shekhar Biswas, Judhajit Sanyal	IJIREEICE, Vol. 6, Issue 12	2018	ISSN (Online) 2321-2004
268.	Frequency Diversity Improvement Factor Using Different MIMO Techniques for Rain Fade Mitigation in South-East Asia	B. Das, S. Chakraborty & A. Lahiri	“International Journal of Applied and Computational Mathematics”, 2018, vol.4, No.92, 14 pages	2018	ISSN 2328-5605
269.	Modified switching DE algorithm to facilitate reduction of PAPR in OFDM systems	Maumita Mukhopadhyay, Sayan Chakraborty	SN Computer Science, Springer Nature (Accepted)	2018	NA
270.	Stationarity estimation of time series rain fall data	Amalendu Singha Mahapatra, Biswajit Sarkar, Maheswar Singha Mahapatra, Hardik Soni, Sanat K. Majumder	RAIRO-Operations Research	2018	ISSN: 2804-7303
271.	THERMOHYDRAULIC TRANSPORT CHARACTERISTICS IN WAVY	Debasish Biswas, Kaushik Das Sharma, Gautam Sarkar	IET Control Theory and Application	2018	1751-8652





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	MICROCHANNEL UNDER PULSATING INLET FLOW CONDITION				
272.	Advancing Water Safety: Exploring AI for Escherichia coli Detection in Drinking Water	Akash Chowdhury, Akash Kotal, Priyanjana Ghosh, Sreeja Mukherjee, Priyanka Debnath, Punit Kumar, Nilanjana Dutta Roy	8th International Conference on Emerging Applications of Information Technology - (EAIT 2024) - SCOPUS - LNNS Book Series, Springer	2024	---
273.	BacDet: AI-empowered Real-time Detector of Escherichia coli in Water	Nilanjana Dutta Roy, Nilanjan Dey, Subhankar Mukherjee	Sixth International Conference on Computational Intelligence in Communications and Business Analytics (CICBA-2024) - SCOPUS - CCIS Book Series, Springer	2024	----
274.	ImageVista: Training-Free Text-to-Image Generation with Multilingual Input Text	Bikash Sadhukhan, Nabanita Das	2nd International Conference on Intelligent Data Communication Technologies and Internet of Things	2024	----
275.	A Guide to Meta-Heuristic Algorithms for Multi-Objective Optimization: Concepts and Approaches	Sayan Chakraborty	NA	2024	----
276.	"Cardioxy" – A Novel and Portable Instrumentation Amplifier based and IoT enabled ECG device	INDRAJIT PANDEY	Second International Conference for Innovation in Technology (INOCON 2023), jointly organized by Department of CSE, ISE, ECE, CSE(AI & ML), CSE(DS) at Sai Vidya Institute of Technology, Bengaluru, India	2023	979-8-3503-2093-0



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277.	Dynamic energy management of hybrid electric vehicle (HEVs) using Fuzzy Logic Controller	Syamasree Biswas Raha	NA	2023	13 978-1032351520
278.	Impact of Variable Fault Impedances during Symmetrical Fault in Active Distribution Network	Syamasree Biswas Raha	5th International Conference on Power, Control & Embedded Systems (ICPCES)	2023	979-8-3503-1025-2
279.	Fault Location Optimisation For Transmission Line Using Chaotic Artificial Hummingbird Algorithm	Sushma Verma	IEEE World Conference Applied Intelligence and Computing (AIC)	2023	ISBN:979-8-3503-1006-1
280.	A Machine learning based approach to detect birds over and around the Runway before they strike the Aircraft	Tapas Kumar Nandi	IEEE World Conference Applied Intelligence and Computing (AIC)	2023	979-8-3503-1006-1
281.	Fair Resource Allocation in Fog Computing by Using a Game Theoretic Approach	Avigyan Sinha, Vagisha Mishra, Anjan Bandyopadhyay, Sujata Swain & Sanjukta Chakraborty	ICDAI_2023	2023	978-981-99-3877-3
282.	Medical Education System Based on Metaverse Platform: A Game Theoretic Approach	Dr. Sanjukta Chakraborty, Anjan Bandopadhyay, Sujata Swain, Rudrashish Das	ICIEM2023	2023	0255-5476
283.	Pothole Detection System Using Object Detection through Dash Cam Video Feed	Aniket Maiti	2023 International Conference for Advancement in Technology (ICONAT), Goa, India,	2023	978-1-6654-7517-4
284.	Mathematical Morphology Adopted Automatic Detection of Ground Glass Opacities in Lung CT Images of COVID-19 Patients,	Soma Chatterjee	2023 International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC), Silchar, India, 2023, pp. 1-5,	2023	doi: 10.1109/ISA-CC



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285.	Impact behaviour of simply supported stiffened skewed hyper shell with cut-out	Dr. Sanjoy Das Neogi	Information Communication Technology as a Tool for Digitization of Education	2023	56298.2023.10084331.
286.	Numerical study on response of single-pile and pile group under static inclined load	Dr. Siddhartha Mukherjee	Information Communication Technology as a Tool for Digitization of Education	2023	978-81-966518-6-2
287.	Numerical study on performance of Raft Foundation resting on Stone column reinforced soft-clay subjected to eccentric load	Dr. Siddhartha Mukherjee	Proceedings of International conference on "Recent Advances in Materials, Manufacturing and Machine Learning (RAMMML-2023)"	2023	978-81-966518-6-2
288.	Novel Approach To Identify Weak Bus Using Synchro-Phasor Unit And MVTI	Birendra Krishna Ghosh, Rajat Kumar Mandal, Milan Basu	11th INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY	2023	---
289.	Fish Detection from Underwater Images Using YOLO and Its Challenges	Pratima Sarkar, Sourav De, Sandeep Gurung	Doctoral Symposium on Intelligence Enabled Research, 2023	2023	2581-611X
290.	Prediction of Winning Team in Soccer Game – A Supervised Machine Learning-Based Approach	Sanjay Chakraborty, Lopamudra Dey, Animesh Kairi, Saikat Maity	Advances on Mathematical Modeling and Optimization with Its Applications, CRC Press	2023	978-981-99-1471-5
291.	Computing for Data Analysis: Theory and Practices	Sanjay Chakraborty, Lopamudra Dey	Data Intensive Research	2023	9.78103E+12
292.	Automated Nuclei Analysis from Digital Histopathology	Bijoyeta Roy, Pratima Sarkar, Mousumi Gupta	2023 International Conference on Intelligent Systems,	2023	978-981-19-8003-9



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			Advanced Computing and Communication (ISACC)		
293.	A Study on Facemask Detection and Maintaining Safe Distance using AI and ML to Prevent COVID-19	Ankita Mishra, Piyali Paul, Koyel Mondal, Sanjay Chakraborty	International Conference on Robotics, Control and Computer Vision (ICRCCV)	2023	979-8-3503-9939-4
294.	Fish Classification Using CNN and Logistic Regression from Underwater Images	Pratick Gupta, Pratima Sarkar, Bijoyeta Roy, Shivam Kumar	International Conference on Advanced Computational and Communication Paradigms	2023	978-981-99-0235-4
295.	Towards Zero Hunger: A Platform for Sustainable Food Distribution and Collaboration in Achieving the United Nations' Sustainable Development Goal	Suravi Roy, Tiasha Mandal, Parthib Das, Nilanjana Dutta Roy	International Conference on Systems and Technologies for Smart Agriculture (ICSTA 2023) - SCOPUS	2023	978-981-99-4283-1
296.	iConDet2: An Improved Version of the AI-based Portable Healthcare App for Conjunctivitis Detection	Akash Kotal, Soumyajit Basu, Nilanjana Dutta Roy, Mufti Mahmud	3rd International Conference on Trends in Electronics and Health Informatics (TEHI 2023) - SCOPUS - LNNS Book Series, Springer	2023	----
297.	Comparative Analysis of BERT Models for Sentiment Analysis on Twitter Data	Nabanita Das, Bikash Sadhukhan	9th International Conference on Smart Computing and Communications (ICSCC)	2023	----
298.	Credit Card Fraud Detection Using Machine Learning: A Comparative Study of Ensemble Learning Algorithms	Bikash Sadhukhan	9th International Conference on Smart Computing and Communications (ICSCC)	2023	979-8-3503-1409-0
299.	Lung Nodule Classification Using MobileNet Transfer Learning	Bikash Sadhukhan, Nabanita Das	9th International Conference on Smart Computing and Communications (ICSCC)	2023	979-8-3503-1409-0



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300.	Intrusion Detection in IoT Systems Using Ensemble Machine Learning Techniques	Bikash Sadhukhan	IEEE 4th Annual Flagship India Council International Subsections Conference (INDISCON)	2023	979-8-3503-1409-0
301.	Investigating the Fractality and Stationarity Behavior of Global Temperature Anomaly Time Series	Bikash Sadhukhan	2023 International Conference on Artificial Intelligence and Applications (ICAIA) Alliance Technology Conference (ATCON-1)	2023	979-8-3503-3355-8
302.	Speech Recognition and Neural Networks based Talking Health Care Bot (THCB): Medibot	Bikash Sadhukhan	7th International Conference on Computing Methodologies and Communication (ICCMC)	2023	978-1-6654-5627-2
303.	Exploring Stationarity and Fractality in Stock Market Time-series	Bikash Sadhukhan	2023 International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC)	2023	978-1-6654-6408-6
304.	The Impact of Rising Global Temperatures on Seismicity: A Case Study in Alaska	Bikash Sadhukhan	IEEE 19th India Council International Conference (INDICON)	2023	979-8-3503-9938-7
305.	A Study of Global Temperature Anomalies and their Changing Trends due to Global Warming	Bikash Sadhukhan	14th International Conference on Computational Intelligence and Communication Networks (CICN)	2023	978-1-6654-7350-7
306.	Development of an Ensemble Machine Learning-Based Decision Support System for Patient Admission in Healthcare Unit	Bikash Sadhukhan, Arghya Das	IEEE International Conference On Electrical, Electronics, Communication and Computers (ELEXCOM'23)	2023	978-1-6654-8771-9





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307.	Identification of Rice Leaf Diseases using CNN and Transfer Learning Models	Bikash Sadhukhan	IEEE International Conference On Electrical, Electronics, Communication and Computers (ELEXCOM'23)	2023	----
308.	Enhancing Financial Fraud Detection in Bitcoin Networks using Ensemble Deep Learning	Bikash Sadhukhan, Nabanita Das	IEEE International Conference on Blockchain and Distributed Systems Security (IEEE ICBDS 2023)	2023	----
309.	Enhancing Early Detection of Cardiovascular Diseases using Machine Learning Techniques: A Comparative Study	Bikash Sadhukhan, Nabanita Das	3rd International Conference on Innovative Mechanisms for Industry Applications	2023	---
310.	A design guideline of laminated composite plate roof with cut-out	Asheequl Irshad, Syed Furquan Ghous Meghashree Patra & Dr. Sanjoy Das Neogi			----
311.	Contactless Attendance System Using Raspberry Pi4	Joyati Chattopadhyay	FOSET – 13 th Academic Meet 2023	2023	----
312.	Effect of Euler number as a feature in gender recognition system from offline handwritten signature using neural networks	Sayan Chakraborty	5th International Conference on Trends in Computational and Cognitive Engineering (TCCE 2023)	2023	2368-1209
313.	Selective growth of ZnO nanowires by employing voltage-assisted hydrothermal growth technique	Sandip Bhattacharya	2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON)	2023	978-9-3805-4416-8
314.	Modeling of temperature dependent electrical characteristic of quantum dot Single Electron Transistor (SET)	Sandip Bhattacharya	2023 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON)	2023	978-1-6654-7206-7



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315.	Bird Call Recognition using Acoustic based Feature Selection approach in Machine Learning	Anisha Mahato	7th IEEE International Conference on Computing, Communication, Control and Automation (ICCUBEA-2023)	2023	978-1-6654-7205-0
316.	A Deep Learning-Based Approach for Students' Involvement Assessment in an E-Learning Platform	Satyabrata Maity	International Conference in Advances in Power, Signal, and Information Technology (APSIT)	2023	----
317.	SmartPave: An Advanced IoT-Based System for Real-Time Pothole Detection, Tracking, and Maintenance	Satyabrata Maity	International Conference in Advances in Power, Signal, and Information Technology (APSIT)	2023	979-8-3503-3936-9
318.	"Cardioxy"—A Novel and Portable Instrumentation Amplifier based and IoT enabled ECG device	Saikat Raptan, Abhirup Bhattacharyya, Nantu Das, Indrajit Pandey, Subhankar Bhattacharjee	2023 2nd International Conference for Innovation in Technology (INOCON)	2023	979-8-3503-3936-9
319.	VARUNA: Water Quality Monitoring Using Wireless Sensor Network (WSN) and IoT with Optimal Sensor Data Acquisition Algorithm	Abhirup Bhattacharyya, Aanchal Gupta, Ritam Majumder, Katha Ghosh, Subhankar Bhattacharjee, Anway Mukherjee	International Conference on Data Analytics and Insights, 2023	2023	979-8-3503-2092-3
320.	Use of waste plastics for the production of cement concrete	Dr. Siddhartha Mukherjee	4th International conference on waste management (Recycle 2023)	2023	978-981-99-3877-3
321.	"Medical Diagnosis and Identification of Covid -19 by Intelligent IoT System and Resnet 18 Bilinear Deep Greedy Network,"	I. Das, P. Das, A. Roy, P. Debnath and S. Nath,	2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), Kolkata, India, 2022,	2022	----
322.	A. Bhattacharyya et al., "Doping-Less Underlapped Dielectric Modulating	Amit Bhattacharyya;Madhusree Banerjee;Papiya	2022 IEEE International Conference of	2022	978-1-6654-7205-0



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	Tunnel FET Biosensor Accomplishing Repulsive Steric Hindrance,"	Debnath;Debashis De;Manash Chanda	Electron Devices Society Kolkata Chapter (EDKCON), Kolkata, India, 2022,		
323.	"VLSI and AES based IoT security by Modified Random S- Box Generation,"	Indrajit Das; Kashmira Jha; Papiya Debnath; Subhprattim Nath	2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), Kolkata, India, 2022,	2022	978-1-6654-7205-0
324.	Based on Voltage Stability detection of Weak Bus with the help of Synchrophasor Unit	Birendra Krishna Ghosh, Rajat Kumar Mandal	IARIST 2K22	2022	978-1-6654-7205-0
325.	An Attempt to Analyze the Carbon Footprint at Rajarhat Technical Campus (88.470N, 22.570E) West Bengal, India for a Sustainable Energy Efficient Solution	Satabdi Chatterjee, Ayindrila Roy, Indranil Mukherjee and Md. Wasim Akram	2nd GEAST Global Conference on Energy, Environment & Climate Change (EECC-2022)	2022	---
326.	Performance of 60GHz Signal as a mm Wave Access Link for 5G eMBB Access Points	Ardhendu Shekhar Biswas	3rd International Conference on Computational Advancement in Communication Circuits and Systems (ICCACCS-2020) Organized by Narula Institute of Technology, Kolkata, India, 2020. Springer Nature Singapore Pte Ltd. 2022	2022	2583-0228
327.	GPS Crowdsensing for Public Stoppage Planning of City Buses: A Perspective of Developing Economies	Dr. Ratna Mandal	COMSNETS 2022	2022	978-981-16-4034-6
328.	Systematic Study of Detection Mechanism for Network Intrusion in	Sanjukta Bhattacharya	1st International conference on Human-Centric	2022	978-1-6654-2105-8



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	Cloud, Fog & Internet-of-Things using Deep Learning		Smart Computing (ICHSC-2022)		
329.	VSCM: Blockchain Based COVID-19 Vaccine Supply Chain Management	Sourav Mahapatra	International Conference on Machine Vision and Augmented Intelligence 2022	2022	978-981-19-5402-3
330.	Comparison of performance parameters and characteristics between diesel and biodiesel for four-stroke single cylinder diesel engine	Prof. Prabir Biswas	ICTEMA 2022	2022	978-981-99-0188-3
331.	Heat transportation Phenomenon in Sliding Contact	Prof. Arindam Roy Goswami	1st International Conference on Sustainable Technologies & Advances in Automation, Aerospace & Robotics-STAAAR 2022	2022	----
332.	Fabrication of Cost-effective Three-axis Portable mini-CNC Milling Machine	Prof. Arindam Roy Goswami	2022 Fourth International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2022)	2022	978-981-99-2348-9
333.	On the Effective Electron Mass in Quantum-Confined THz Materials	R Paul, M Mitra, AK Pradhan, M Maiti, S Mondal, K Bhattacharyya, SK Biswas, KP Ghatak	NA	2022	2214-7853
334.	Two dimensional modeling of dual material double gate TFET in stacked hetero-dielectrics with split high-K materials	Dipshika Das, Pradip Kumar Ghosh, Rudra Sankar Dhar	2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), Kolkata, India, 2022,	2022	978-981-16-9182-9
335.	NA	Joyati Chattopadhyay	NA	2022	978-1-6654-7205-0
336.	NA	Barnali Dutta Roy	NA	2022	978-1-032-14834-2
337.	Agro Nutrition alert	Monalisa Datta	International Conference On Emerging Trends	2022	978-3-030-90505-7



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			in Science & Technology (ICETST-TECHMEET 2020)		
338.	A Classy Fuzzy MPPT Controller for standalone PV System	Monalisa Datta	International Conference On Emerging Trends in Science & Technology (ICETST-TECHMEET 2020)	2022	9.781E+12
339.	A Survey on Medical Image Diagnosis Systems: Problems and Prospects	Krishnendu Ghosh, Tamesh Halder, Maitri Roy, Chandranath Biswas, Rintu Kumar Gayen & Debashish Chakravarty	Proceedings of International Conference on Computational Intelligence, Data Science and Cloud Computing	2022	9.781E+12
340.	Artificial Neural Network for Fault Diagnosis in Active Distribution Network	Syamasree Biswas Raha, Debasish Biswas	Fourth International Conference on Computational Intelligence in Communications, and Business Analytics (CICBA-2022)	2022	978-981-19-1657-1
341.	GSA based FOPID Controller Tuning in NSOF Domain for a Class of Non-linear Systems	Debasish Biswas	Fourth International Conference on Computational Intelligence in Communications, and Business Analytics (CICBA-2022)	2022	978-3-031-10765-8
342.	Median Filter Based Noise Reduction and QRS Detection in ECG Signal	Avishek Paul, Saikat Panja, Nantu Das, Madhuchhanda Mitra	Proceedings of International Conference on Industrial Instrumentation and Control	2022	978-3-031-10765-8
343.	Extended Kalman Filter Based Control of DC-DC Buck CONVERTER	Debarchita Mishra	CISCON	2022	978-981-16-7010-7
344.	Employing Nonlinear Model based PI like	Samrat Banerjee	International Conference "2022 IEEE International IOT,	2022	978-981-99-9554-7





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	Controller for the Time Varying System		Electronics and Mechatronics Conference		
345.	An Attempt to Analyze the Impact of Particulate Pollution(PM10 and PM2.5) to Covid 19 in Delhi from December 2020 to November 2021	AVERI BANERJEE	2nd GEAST Conference on Energy, Environment and Climate Change (EECC-2022)	2022	978-1-6654-8685-9
346.	An Attempt to Analyze the Impact of Particulate Pollution(PM10 and PM2.5) to Covid 19 in Delhi from December 2020 to November 2022	DR. ANINDITA RAY	2nd GEAST Conference on Energy, Environment and Climate Change (EECC-2022)	2022	2583-0228
347.	Analysis of Transients in Active Distribution Network	Syamasree Biswas Raha	22nd National Power Systems Conference (NPSC)	2022 (December)	2583-0228
348.	Comparative analysis of settlement and efficiencies of pie groups with different configurations using FEM	Siddhartha Mukherjee	Proceedings of IGC 22 (Indian Geotechnical Conference)	2022	978-1-6654-6202-0
349.	Enhanced Security and Privacy for IoT based Locker System operated at Low Frequency Spectrum using Blockchain	Soumen Santra	International Symposium on Artificial Intelligence (ISAI-2022)	2022	----
350.	Adaptive Control Of Dc Microgrid Using EMS And Meteorological Data	Birendra Krishna Ghosh, Rajat Kumar Mandal	2nd International Conference on Signals, Machine and Automation (SIGMA)	2022	1865-0937
351.	Melanoma Cell Detection by Using K-means Clustering Segmentation and Abnormal Cell Detection Technique	Pratima Sarkar, Bijoyeta Roy, Mousumi Gupta, Sourav De	Artificial Intelligence on Medical Data: Proceedings of International Symposium, ISCM 2021	2022	978-981-99-0968-1
352.	Smart Car with Safety Features and Accident Detection Alert System	Subhadip Ghosh, Soumen Maity, Sourav Chowdhury, Sanjay Chakraborty	3rd International Conference on Emerging Technologies in data mining and information security	2022	978-981-19-0150-8



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353.	A Python based virtual AI Assistant	Tirthajyoti Nag, Jayasree Ghosh, Manona Mukherjee, Subhadip Basak, Sanjay Chakraborty	3rd International Conference on Emerging Technologies in data mining and information security	2022	978-981-19-4192-4
354.	"Doping-Less Underlapped Dielectric Modulating Tunnel FET Biosensor Accomplishing Repulsive Steric Hindrance,"	Amit Bhattacharyya; Nitik Das; Kaustav Mukherjee; Sneha Bose; Papiya Debnath; Debashis De; Manash Chanda.,	2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), Kolkata, India, 2022, pp. 621-625,	2022	978-981-19-4052-1_58
355.	"Current Sensitivity and Power Dissipation Analysis of Junctionless Double Gate MOSFET Biosensor,"	B. Basu, D. Ghosh, M. Banerjee and P. Debnath, ,	2022 IEEE VLSI Device Circuit and System (VLSI DCS), Kolkata, India, 2022, pp. 75-79	2022	978-1-6654-7206-7
356.	Kalman Filter and its Application on Tuning PI Controller Parameters	Indrajit Pandey	IEEE 11th Annual Computing and Communication Workshop and Conference (IEEE CCWC 2021)	2021	978-1-6654-3802-5
357.	Bluetooth Controlled Arduino Based Robotic Arm	Dasgupta,S., Ghosh, A., Chatterjee, D	Asian Journal of Convergence in Technology	2021	978-1-6654-1490-6
358.	High Density Salt and Pepper Noise Removal from Colour Images by Introducing New Enhanced Filter	S.Banerjee, D.Sarkar, S.Roychowdhury, D.Chatterjee	International Conference on Intelligent Technologies (CONIT)	2021	2350-1146, 7(1)
359.	Drowsiness Detection with Alert & Notification System	S.Sarkar, R.Kumar, S.Singh, D.Chatterjee	International Conference on Machine Learning and Autonomous Systems (ICMLAS)	2021	978-1-7281-8584-2
360.	An Approach to Design and Implement Parallel Web Crawler	T.Dhar, S.Mazumder, S.Dhar, S. Karak, D.Chatterjee	International Conference on Smart Generation Computing, Communication and Networking	2021	----



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			(SMARTGENCO N)		
361.	Energy-Efficient Scheduling of Deadline-Sensitive and Budget-Constrained Workflows in the Cloud	A. Tarafdar, K. Karmakar, R. K. Das and S. Khatua	International Conference on Distributed Computing and Internet Technology (ICDCIT), Springer	2021	978-1-6654-2504-9
362.	Balanced Graph Partitioning based I/O Intensive Virtual Cluster Placement in Cloud Data Center	K. Karmakar, R. K. Das and S. Khatua	International Conference on Computing, Communication and Networking Technologies (ICCCNT), IEEE	2021	978-3-030-65620-1
363.	A Comparative Study of Sentiment Analysis Tools	Nabanita Das, Srinjo Das, Saloni Gupta, Shuvam Yadav, Trishika Subramanian, Nairita Sarkar	ICES -2021	2021	978-1-7281-8595-8
364.	An Approach of Safe Stock Prediction Using Genetic Algorithm	Nilanjana Adhikari, Mahamuda Sultana, Suman Bhattacharya	ISACS-2021	2021	978-1-6654-3521-5
365.	A Comparative Study of Different Machine Learning Algorithms on Bitcoin Value Prediction	M. Samaddar, R. Roy, S. De, R. Karmakar	2021 International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)	2021	978-981-16-4300-2
366.	Adoption of Frequency Variation Improvement Factor by Using Different MIMO Techniques for 5G Communication in the Tropical countries	Trilochan Patra, Swarup Kumar Mitra	International Conference on Communication, Control and Information Sciences (ICCISc-2021)	2021	978-1-7281-5791-7
367.	A Dielectric Modulated MOS transistor for Biosensing	G. Jana, P. Debnath and M. Chanda	Devices for Integrated Circuit (DevIC), 2021	2021	978-1-6654-0295-8
368.	DFT Based approach to sense SF6 decomposed gases (SO2, SOF2, SO2F2) using Ni doped WS2 monolayer,	S. Sarkar, P. Debnath, M. Chanda and D. De	Devices for Integrated Circuit (DevIC), 2021	2021	978-1-7281-9955-9



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369.	Application of Multi-Objective Particle Swarm Optimization Technique for Analytical Solution of Economic and Environmental Dispatch	Birendra Krishna Ghosh, Rajat Kumar Mandal	Intelligent Electrical Systems, Taylor and Francis Group	2021	978-1-7281-9955-9
370.	Comparative Fault Analysis in an Active Distribution Network	Syamasree Biswas Raha	IEEE 9th International Conference on Power System, (ICPS 2021)	2021	978-0-429-35599-8
371.	A Novel Cost-Effective Secure Green Data Center Solutions Using Virtualization Technology	Subhodip Mukherjee		2021	978-1-6654-2873-6
372.	Fabrication of Energy Potent Data Centre Using Energy Efficiency Metrics	Subhodip Mukherjee	Intelligent Sustainable Systems Selected Papers of WorldS4 2021, Volume 2	2021	9781119812531
373.	Advances in Learning Analytics for Intelligent Cloud-IoT Systems	Soumen Santra	Machine Learning Techniques and Analytics for Cloud Security	2021	978-981-16-6369-7
374.	Prototype Implementation of Innovative Braille Translator for Visually impaired with Hearing Deficiency	Soumen Santra	Emerging Trends in IoT and Integration with Data Science, Cloud Computing, and Big Data Analytics	2021	9781119762256.
375.	Selection of Edge Detection Techniques Based on Machine Learning Approach	Soumen Santra	Proceedings of Research and Applications in Artificial Intelligence	2021	10.4018/978-1
376.	Chapter 10 - Novel detection of cancerous cells through an image segmentation approach using principal component analysis	Soumen Santra	Advances in Medical Physics and Health Engineering 2020	2021	-7998-4186-9
377.	ICon: How Can We Intelligently Predict TCP Congestion?	Raja Karmakar, Sanjukta Bhattacharya and Arindam Ghosh	THE 12th INTERNATIONAL CONFERENCE ON	2021	10.1007/978-981



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			COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT) 2021		
378.	A Secure Health Management Framework with Anti-fraud Healthcare Insurance Using Blockchain.	Sourav Mahapatra	INTERNATIONAL CONFERENCE ON MACHINE INTELLIGENCE AND SIGNAL PROCESSING	2021	-16-1543-6_13.
379.	Design of Flow Detection Sensor for Single Phase Flow through Porous	Prof. Anustup Chatterjee	Apple Academic Press, having an exclusive co-publishing partnership with CRC Press, a member of the Taylor & Francis Group, Agreement with Apple Academic Press, USA for publishing the edited book.	2021	978-0-12-822844-9
380.	Waste/Rain water harvesting and purification	Dr. Tapas Kumar Nandi	Proceeding of International conferences on Energy & environment ICEE April 9-10, 2021	2021	978-1-7281-8595-8
381.	Backward Forward Sweep Method for Distributed Generation Unit Integration with Radial Distribution Network	Dr. Debaparna Sengupta	International conference on new scientific creations in engineering and technology(ICNS CET21)	2021	978-981-19-1520-8
382.	An Efficient, Fast and Versatile Power Flow Analysis Method for Radial Distribution Network	Dr. Debaparna Sengupta	International conference on new scientific creations in engineering and technology(ICNS CET21)	2021	9781032130828





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383.	An Approach of Safe Stock Prediction using Genetic Algorithm	Nilanjana Adhikari	Innovations in Software Architecture and Computational Systems	2021	---
384.	Deep ANN-based Touchless 3D Pad for Digit Recognition	Dipshika Das	ARTIFICIAL INTELLIGENCE THEORIES AND APPLICATIONS (AITA-2021)	2021	2581 - 7175
385.	NA	Dr. Sanjukta Chakraborty	NA	2021	2581 - 7175
386.	Women At Workplace	Dr. Kashmi Mondal	International Conference on Future of Women in Technology	2021	978-981-16-4300-2
387.	Modeling and analysis of a predator-prey model with disease in both population	Dr. Kakali Ghosh	International Journal Journal of the Calcutta Mathematical Society, 17, (2) 167–196 (2021)	2021	2349-3232
388.	Did you really need to kill the dog, May? An Interrogation into the trifles of The Shadow Lines	Anwasha Dutta Ain	NA	2021 (2nd ed.); 2013	978-1-68509-748-6
389.	Western Approaches to Understanding 'India': Colonial Verse in the Nineteenth Century	Anwasha Dutta Ain	BrIndARC - Brasil-Índia- Associação de Redes de Conhecimento: Brazil-India Knowledge Exchange (Archived Series)	2021	978-93-89817-64-5
390.	-	Sanjay Chakraborty, Lopamudra Dey	Smart Healthcare System Design: Security and Privacy Aspects	2021	2231-5314
391.	An Empirical Analysis of Classifiers Using Ensemble Techniques	Reshu Parsuramka, Saptarsi Goswami, Sourav Malakar, Sanjay Chakraborty	Data Management, Analytics and Innovation	2021	978-8192065120
392.	ICon: How Can We Intelligently Predict TCP Congestion?	Twinkle Chatterjee, Raja Karmakar, Anuran Mitra, Arindam Ghosh and Sanjukta Bhattacharya	International Conference on Computing Communication and Networking Technologies (ICCCNT 2021)	2021	2668-6834



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393.	Green Corridor over a Narrow Lane: Supporting High Priority Message Delivery through NB-IoT	Raja Karmakar, Samiran Chattopadhyay and Sandip Chakraborty	-	2021	9.78112E+12
394.	Towards 6G Communications: Architecture, Challenges, and Future Directions	Soumalya De; Raja Karmakar; Arindam Ghosh; Tinku Adhikari	12 International Conference on Computing and Networking Technology (ICCNT)	2021	978-981-15-5615-9
395.	Quantum Resistance for Cryptographic Keys in Classical Cryptosystems: A Study on QKD Protocols	Tinku Adhikari, Arindam Ghosh, Raja Karmakar	International Conference on Computing and Networking Technology (ICCNT)	2021	978-1-7281-8595-8
396.		Siddhartha Mukherjee, Asheequl Irshad	Comparative Analysis of Settlement and Efficiencies of Pile Groups with different configurations using FEM	2021	----
397.	Auto-tuned Optimal PI Controllers for MIMO Processes	Sayani Sengupta	2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON)	2021	978-1-7281-8595-8
398.	Error tuning and gap analysis of human psycho-emotional pattern recognition framework using time series forecasting model	Dr. Ayan Chakraborty	1ST INTERNATIONAL CONFERENCE ON ADVANCES IN SIGNAL PROCESSING, VLSI, COMMUNICATIONS AND EMBEDDED SYSTEMS: ICSVCE-2021	2021	978-1-7281-8595-8
399.	Aluminium Induced Vapor Phase Stain Etch Method for Generating Porous Silicon Structure	Joyita Biswas, Rajib Barui	2020 IEEE 1st International Conference for Convergence in Engineering (ICCE)	2020	----



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400.	A Novel Design of Reversible Gate using Quantum-Dot Cellular Automata (QCA)	Subhankar Bhattacharjee, Sandip Bhattacharya	2020 IEEE 1st International Conference for Convergence in Engineering (ICCE)	2020	978-1-7281-9951
401.	Mathematical modelling of drain current enhancement in high-k FD MOSFET	Sandip Bhattacharya, Judhajit Sanyal	2020 IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS)	2020	<a href="https://doi.org/10.1063/5.0074312">https://doi.org/10.1063/5.0074312</a>
402.	Attenuation Modelling and Machine Learning Based SNR Estimation for 5G Indoor Link	Manabendra Maiti, Md Anoarul Islam, Pradip Kumar Ghosh, Judhajit Sanyal	2020 IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS)	2020	978-1-7281-7340-5
403.	Methods adopted for detailed modelling in state spaceter stability analysis	Dr. Milan Basu	INTERNATIONAL CONFERENCE ON IMPACT OF CHANGING ENERGY MIX IN THE POWER SECTOR	2020	978-1-7281-7340-5
404.	Testbeds, Attacks, and Dataset Generation for Big Data Cluster: A System Application for Big Data Platform Security Analysis	Swagata Paul, Sajal Saha, R. T. Goswami	ICCAN 2019. Progress in Computing, Analytics and Networking	2020	978-1-7281-1933-5
405.	Big Data Cluster Service Discovery: A System Application for Big Data Cluster Security Analysis	Swagata Paul, Sajal Saha, R. T. Goswami	REDSET 2019. Communications in Computer and Information Science	2020	978-1-7281-1933-5
406.	Resource Scheduling for Tasks of a Workflow in Cloud Environment	K. Karmakar, R. K. Das and S. Khatua	International Conference on Distributed Computing and Internet Technology (ICDCIT), Springer	2020	DOI <a href="https://doi.org/10.1007/s40031-020-00513-1">https://doi.org/10.1007/s40031-020-00513-1</a>
407.	A Proposal for Designing a Deep Learning Model for Analysis and Prediction of Stock Market Movement for Portfolio Management	Nabanita Das, Dr. Satyajit Chakrabarti	IEMERA-2020, London (CRC Press- Tayler and Francis Group).	2020	978-981-15-2413-4



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408.	A Comparative Study for Analysis and Prediction of Stock Market Movement	Nabanita Das, Dr. Satyajit Chakrabarti	IEMIS-2020 (SCOPUS indexed Journal of Springer), Kolkata,	2020	978-981-15-5829-0
409.	Signal processing-based approach to analyse the behaviour of the Stock Market	S. Mukherjee, S. Chowdhury, D. Chatterjee, N. Adhikari	ICDSMLA	2020	978-3-030-36986-6
410.	A Relative Comparison of Training Algorithms in Artificial Neural Network	S. Kumar, R. Mishra, A. Mitra, S. Biswas, S. De, R. Karmakar	2020 IEEE International Conference for Convergence in Engineering (ICCE 2020)	2020	9.781E+12
411.	Controlling Emergency Vehicles During Road Congestion—A Survey and Solution	Sandipan Ghosal, Tanusree Chatterjee	International Conference on Computational Intelligence in Pattern Recognition (CIPR)	2020	978-981-15-9926-2
412.	Efficient Data Search and Update in Named Data Network with Integrity Preservation	Tanusree Chatterjee, Chirasree Pal, Apurbo Kumar Gorai, Sipra Das Bit	International Conference on Machine Intelligence and Data Science Applications, Springer	2020	---
413.	Power Delay Analysis of CMOS Reversible Gates for Low Power Application	S. Majumder, S. Bhattacharyya, P. Debnath and M. Chanda	International Conference on Computational Performance Evaluation (ComPE), Shillong, India, 2020	2020	978-1-7281-7340-5
414.	Impact of Temperature on Circuit Performances of Junctionless MOSFET in Sub-threshold Regime	A. Mukherjee, B. Ray, D. Das, S. Bhattacharyya, P. Debnath and M. Chanda	IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS 2020)	2020	978-981-15-2449-3
415.	Design and Analysis of Double Gate Tunnel Field Effect Transistor using Charged Plasma,	H. Banerjee, K. Sarkar, P. Debnath, S. Roy and M. Chanda	IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS 2020)	2020	978-981-33-4087-9
416.	Design and Implementation of High-speed Low Voltage 4x4 Vedic Convolutor	S. Bhattacharyya, S. Majumder, P. Debnath and M. Chanda	IEEE International Women in Engineering	2020	978-1-7281-6644-5



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			(WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), 2020		
417.	Aluminium Induced Vapor Phase Stain Etch Method for Generating Porous Silicon Structure	Biswas, J., Barui, R., Das, S., Bandyopadhyay, S.	2020 IEEE International Conference for Convergence in Engineering (ICCE 2020)	2020	978-1-7281- 1933-5
418.	Towards the Speed Enhancement of Association Rule Mining Algorithm for Intrusion Detection System	Sar bani Dasgupta	Proceedings of the 10th International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2019)	2020	978-1-7281- 1933-5
419.	Sensitivity Factor Based Congestion Management of Modified 33-Bus Distribution System	Birendra Krishna Ghosh, Rajat Kumar Mandal	Springer Sustainable Communication Networks and Application (ICSCN 2020), pp. 412-23.	2020	978-1-6654- 1917-8
420.	Intelligent Energy Management Systems for Optimal Techno- Commercial Benefit in DC Micro-grids: A Review	Birendra Krishna Ghosh	VLSI Device Circuit and System (VLSI DCS), IEEE	2020	978-1-7281- 7340-5
421.	Fuzzy Controlled Demand Response Energy Management for Economic Microgrid Planning	Syamasree Biswas Raha, Debasish Biswas	IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy, (PESGRE 2020)	2020	978-3-030- 49338-7
422.	Power theft detection in Low voltage distribution network	Syamasree Biswas Raha	IEEE 1st International Conference for Convergence in Engineering (ICCE)	2020	978-3-030- 34514-3
423.	4K UHD Video Streaming and Gigabit Data to an	Ardhendu Shekhar Biswas	URSI Regional Conference on	2020	978-1-7281- 1933-5





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	Unreachable Smart Home Using Millimeter Wave Radio		Radio Science (URSI-RCRS), Varanasi, India		
424.	Identification of Shape using Circularity approach for Medical Image Analysis	Soumen Santra	Advances in Medical Physics and Health Engineering 2020	2020	978-1-7281-4251-7
425.	Cancerous Cell Detection using Affine Transformation with Higher Accuracy and Sensitivity	Soumen Santra	Intelligent Computing: Image Processing based Applications	2020	978-1-7281-7340-5
426.		Sanjukta Bhattacharya	CRC Press	2020	978-908-25987-8-
427.		Sanjukta Bhattacharya	CRC Press	2020	978-981-33-6914-6
428.	Performance Survey of MANET Routing Protocols with TCP Congestion Control Algorithms,	Sourav Mahapatra	2020 IEEE 1st International Conference for Convergence in Engineering (ICCE) 5-6 Sept. 2020	2020	DOI: 10.1007/978-981-15-4288-6_2
429.	Cubic Regression Based Prediction of Water Pollution after COVID19 in India	Prof. Anustup Chatterjee	“Global Water Congress 2020” organized by Environment and Social Development Association (ESDA), Delhi on 2nd-4th October 2020.	2020	9780367336745
430.	Utilization of Phase Change Material for Raising Conversion Efficiency of PV Cell: A Review	Prof. Ivy Das Chowdhury	IEEE 1st International Conference for Convergence in Engineering (ICCE)	2020	9780367322007
431.	AI SHOPPING SOLUTION: The Smartest All-in-One Shopping Solution	Dr. Tapas Kumar Nandi	Proceeding in 3rd International conferences on advances on mechanical engineering and its interdisciplinary area. (SCOPUS),2020	2020	10.1109/ICCE 50343.2020.



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432.	Simultaneously Developing flow and heat transfer inside Microchannel under inlet pulsation	Dr. Tapas Kumar Nandi	Proc. Int. National Conf. on Energy and Sustainable Development' Jadavpur University, February 14-15, 2020	2020	9290610
433.	Fuzzy Controlled Demand Response Energy Management for Economic Microgrid Planning	Debasish Biswas	IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy, (PESGRE 2020)	2020	---
434.	PWM Control Technique for Switched Reluctance Generator in Variable Speed Applications	Dr. Debaparna Sengupta	Electric Power and Renewable Energy Conference (EPREC-2020)	2020	978-1-7281-7341-2
435.	Investigation of density and alignment of ZnO-nanowires grown by double-step chemical bath deposition (CBD/CBD) technique on metallic, insulating and semiconducting substrates	Sandip Bhattacharya ,Rajib Saha, Subhrajit Sikdar, Subrata Mandal, Chirantan Das, Sanatan Chattopadhyay	IEEE 3rd International Symposium on Devices, Circuits and Systems 2020	2020	10.1088/1757-899X/1080/1/012011
436.	Facial Expression Recognition for Human Computer Interaction	Joyati Chattopadhyay	International Conference on Computational Vision and Bio Inspired Computing	2020	---
437.	NA	Arabindo Chandra	NA	2020	978-1-7281-4251-7
438.	On The Effect of Methylation on DNA Structure and Dynamics	Aditya Kumar	International Conference on Mathematical Biology & Bioinformatics At: Pushchino, Moscow region, Russia	2020	978-981-15-8585-2
439.	Design and Development of Solar Power Hybrid Electric Vehicles Charging Station	Arabindo Chandra	2020 IEEE 1st International Conference for Convergence in Engineering (ICCE),	2020	978-1-7281-6564-6



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440.	Verilog-A Modeling of Junction-less MOSFET in Sub- Threshold Regime for Ultra Low-Power Application	Papiya Debnath	IEEE International Conference on Electrical and Computer Engineering (IEEE WITCON ECE), Women Institute of Technology, Dehradun Uttarakhand, India	2020	978-3-030-41861-8
441.	-	Sanjay Chakraborty, Soharab Shaikh Hossain, Amlan Chakrabarti, Ranjan Ghosh	High Performance Vision Intelligence (HPVI)	2020	ISBN 978-3-030-42363-6
442.	A Human Intention Detector—An Application of Sentiment Analysis	Megha Dutta, Shayan Mondal, Sanjay Chakraborty, Arpan Chakraborty	Emerging Technology in Modelling and Graphics	2020	-----
443.	Performance Survey of MANET Routing Protocols with TCP Congestion Control Algorithms	Suparna Banerjee, Arindam Ghosh, Sourav Mahapatra and Raja Karmakar	IEEE International Conference for Convergence in Engineering (ICCE 2020)	2020	978-1-7281-7340-5
444.	SmartBond: A Deep Probabilistic Machinery for Smart Channel Bonding in IEEE 802.11ac	Raja Karmakar, Samiran Chattopadhyay and Sandip Chakraborty	IEEE Conference on Computer Communications (IEEE INFOCOM 2020)	2020	978-1-7281-5204-2
445.	Emergence of Edge Computing: An Advancement over Cloud and Fog	Soumalya De; Raja Karmakar; Arindam Ghosh; Tinku Adhikari	11 International Conference on Computing and Networking Technology (ICCNT)	2020	978-981-15-6843-5
446.	S2-GI: Intelligent Selection of Guard Interval in High Throughput WLANs	Soumalya De; Raja Karmakar; Arindam Ghosh; Tinku Adhikari	11 International Conference on Computing and Networking Technology (ICCNT)	2020	978-981-13-7402-9
447.	Voltage Regulation of DC-DC Boost Converter using H-infinity Controller	Debarchita Mishra	2020 International Symposium on Devices, Circuits and Systems (ISDCS), 1-5	2020	978-1-7281-7340-5



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448.	Advanced Home Automation Using Internet of Things	Rajarshi Bhattacharya, Ayan Das, Udita Bose, Ananya Mukhopadhyay, Nantu Das	Intelligent Techniques and Applications in Science and Technology	2020	978-1-7281-6412-0
449.	“Aluminium Induced Vapor Phase Stain Etch Method for Generating Porous Silicon Structure”	Rajib Barui	IEEE International Conference for Convergence in Engineering (ICCE 2020).	2020	978-1-7281-6851-7
450.	Digital Fault Detection Technique: A Review	Vivekananda Mukherjee, Pradip Kumar Ghosh, Manabendra Maiti, Judhajit Sanyal	SPRINGER 7th International Conference on Computers and Devices for Communication (CODEC 2019)	2019	978-1-7281-6851-7
451.	Efficient Analysis of Clinical Genomic Database	Sarbani Dasgupta	5th International conference on computational Intelligence on Data Mining	2019	978-1-7281-6564-6/20/\$31.00
452.	BSEMD Based Automatic Micro-aneurysm Localization from Fundus Image	Birendra Krishna Ghosh, Rajat Kumar Mandal	IEEE 3rd International Conference on Trends in Electronics and Informatics (ICOEI 2019), 23-25 April 2019, Tamilnadu, India.	2019	978-3-030-42362-9
453.	Machine Learning Reinforced Ku-band Rain Attenuation Model for Tropical Locations	Md Anoarul Islam, Kausik Bhattacharya, Md. Abdul Alim Sheikh, P. K. Ghosh, Manabendra Maiti, Judhajit Sanyal	IEEE Global Conference for Advancement in Technology (GCAT), Bangalore, India, October 18-20, 2019	2019	978-1-7281-7340-5
454.	Radiometric Measurement of Rain Attenuation and Proposal of Machine Learning Based Prediction Model	Md Anoarul Islam, Pradip Kumar Ghosh, Manabendra Maiti, Judhajit Sanyal	International Conference on Computers and devices for Communication (CODEC)	2019	978-981-15-8365-0
455.	A new Approach towards Invariant Shape Descriptor tools for Shape Classification through	Soumen Santra	2nd International Conference on Computational Advancement in Communication	2019	978-981-13-8675-6,



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	Morphological Analysis of Image		circuit and System, 2018		
456.	Object Detection in Clustered Scene using Point Feature Matching for Non-repeating Texture Pattern	Soumen Santra	Conference on Control, Signal Processing And Energy System, 2018	2019	978-1-5386-9439-8
457.	A Comparative Study of Z-Transform and Fourier Transform Applied on Medical Images for Detection of Cancer Segments	Soumen Santra	3rd International Conference on Electronics, Materials Engineering & Nano-Technology, August, 2019	2019	978-1-7281-3694-3/\$31.00
458.	A Modified Canny Edge Detection Approach to Early Detection of Cancer Cell	Soumen Santra	3rd International Conference on Electronics, Materials Engineering & Nano-Technology, August, 2019	2019	©2019 IEEE
459.	Real-Time Vehicle Detection from Captured Images	Soumen Santra	2019 International Conference on Opto-Electronics and Applied Optics	2019	978-981-15-8366-7
460.	Partial face recognition using image fusion	Sanjukta Bhattacharya	DE GRUYTER SERIES ON THE INTERNET OF THINGS	2019	DOI: 10.1007/978-981-13-8687-9_27
461.	IoT Based Smart Transportation System under Real-Time Environment	Sanjukta Bhattacharya	IET	2019	DOI: 10.1007/978-981-32-9346-5_7
462.	Rain Attenuation Model for Ku-Band Signals at Tropical Locations	Md Anoarul Islam, Manabendra Maiti, Md. Abdul Alim Sheikh, P.K. Ghosh, Judhajit Sanyal	International Conference on Emerging Technologies for Sustainable Development 2019, Kolkata	2019	978-1-7281-5542-5
463.	Regression-Based Predictive Models for Estimation of Electricity Consumption	Md Anoarul Islam, Manabendra Maiti, Judhajit Sanyal	International Conference on Sustainable Development, 14-15 February 2019, Pune	2019	978-1-7281-5542-5





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464.	Archaeo-metallurgical Analysis: A Study of the Metallurgy in Early Medieval Societies in West Bengal	Prof. Anustup Chatterjee	25th Annual Meeting of the European Association of Archaeologists in Bern, Switzerland	2019	978-1-7281-0070-8
465.	Desalination by RO & Multistage Flash Distillation as a Solution to Water Crisis and Comparing both of them	Prof. Anustup Chatterjee	Towards A Sustainable Water Future, The Indian Institute Of Science, Bengaluru	2019	9783110628517-003
466.	Modelling of Artificial Neural Network to Control the colling rate of a laboratory scale Run-Out Table	Prof. Prabir Biswas	ICMME 2019, Osaka, Japan	2019	9781785616365
467.	Investigative study of variation of static stability factor of small passenger car	Prof. Aniket Maiti	35th National Convention of Mechanical Engineers on "Trends and Developments in Automotive Industry"	2019	978-81-8211-146-2
468.	An Adaptive Framework for Human Psycho-Emotional Mapper Based on Controlled Stimulus Environment	Dr. Ayan Chakraborty	REDSET 2019, Springer Nature	2019	@2019 GCELT
469.	Extending Storm API for Real Time Computing on Big Data	Shiladitya Munshi	IEEE India Council International Conference, 2019 (Indicon 2019)	2019	. 978-93-87901-05-
470.	Real Time Big Data Processing: A Comparative Study of Existing Approaches	Shiladitya Munshi	IEEE India Council International Conference, 2019 (Indicon 2019)	2019	NA
471.	Slow Wave Coupling for Augmentation of Wireless Power Transfer in Noisy Environments	MM Azam, A Das, D Saha, S Acharjee, M Maiti, J Sanyal	Global Conference for Advancement in Technology (GCAT)	2019	NA
472.	Investigation of the characteristic of n-ZnO NWs/p-Si Heterojunction Diode synthesized using the	Sandip Bhattacharya, S. Saha, N. Bhadani, P Jha, A Sarkar , M.Maiti	ICETSD Conference 2019	2019	2261-236X



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	single-step hydrothermal method				
473.	Radiometric Studies of Rain Attenuation in the Earth-Space Path over a Tropical Location	Kausik Bhattacharya, Manabendra Maiti, Carlos Frederico Angelis, Luiz Augusto Toledo Machado, Judhajit Sanyal, Salil Kumar Biswas	Proceedings of the International Conference on Emerging Technologies for Sustainable Development	2019	NA
474.	Efficient removal of noise from an image using HSV filtering	Dipshika Das	2019 Global Conference for Advancement in Technology (GCAT)	2019	1865-0929
475.	“Low-cost Implementation of Vector Controlled PM Synchronous Motor Drive Using General Purpose Microcontroller”	Arabindo Chandra	International Conference on Emerging Trends for Smart Grid Automation and Industry 4.0	2019	978-1-7281-2327-1
476.	LowShep: Low overhead Routing Solution in NDN with Hexadecimal Patricia Trie	Tanusree Chatterjee, Sushmita Ruj, Sipra Das Bit	International Conference on Advanced Networks and Telecommunications Systems	2019	978-1-7281-2327-1
477.	Application of Microbial-Induced Carbonate Precipitation for Soil Improvement via Ureolysis	Siddhartha Mukherjee, R. B. Sahu, Joydeep Mukherjee and Suchandra Sadhu	IGC 2016: Geotechnology towards global standards	2019	978-1-7281-3694-3
478.	Reactive Power Control of Modified IEEE 14 Bus System Using STATCOM	Birendra Krishna Ghosh, Rajat Kumar Mandal	IEEE 2nd International Conference on Intelligent Computing and Control Systems (ICICCS 2018), 14-15 June 2018, Madurai, India.	2018	978-81-8211-146-2
479.	Application of Modified Particle Swarm Optimization Technique for Economic Scheduling of a Complex Micro Grid with Renewable Energy Sources	Birendra Krishna Ghosh, Rajat Kumar Mandal	IEEE 2nd International Conference on Trends in Electronics and Informatics (ICOEI 2018), 11-12 May 2018, Tirunelveli, India.	2018	@2019 GCELT
480.	Linear Sensitivity Based Congestion Management of	Birendra Krishna Ghosh, Rajat Kumar Mandal	IEEE 2nd International	2018	978-81-8211-146-2



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	IEEE 30 Bus System Using Distributed Generator		Conference on Trends in Electronics and Informatics (ICOEI 2018), 11-12 May 2018, Tirunelveli, India.		
481.	Development of GUI for Text-to-Speech Recognition using Natural Language Processing	Soumen Santra	2nd International Conference on Electronics, Materials Engineering & Nano-Technology	2018	@2019 GCELT
482.	Behaviour Analysis and Comparison of Tribological Characteristics of Electroless Ni-B Coating under Dry and Lubricated Condition	Dr. Santanu Duari	1st International Conference on Mechanical Engineering (INCOM 2018), Jadavpur University, Kolkata, West Bengal	2018	978-1-7281-3694-3
483.	ANN Data Analytics for the Ageing Behaviour of Al-Cr Alloys	Dr. Abhijit Patra	Proceedings of the 1st Int. National Conf. on Mechanical Engineering, Jadavpur University, January 4-6, 2018	2018	978-981-15-7675-1
484.	Sustainable development with focus on digital India	Prof. Anustup Chatterjee	International Seminar on "Issues in sustainable development in India: "present problems & future perspective"	2018	978-1-7281-3715-5
485.	Parametric numerical study of Flow and Heat transfer in simultaneously developing inlet pulsatile flow inside microchannels	Dr. Tapas Kumar Nandi	Proc. Int. National Conf. on Mechanical Engineering' Jadavpur University, January 4-6, 2018	2018	978-9811305580
486.	An Implicit Approach to Minimize the Reactive Power of a 765 kV Interconnected Bus System in India.	Dr. Debaparna Sengupta	International Conference on Communication, Devices and Networking (ICCDN2017)	2018	978-1-5386-2842-3DVD



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487.	Mathematical Modelling of Kink Effect in Deep-Submicron FDSOI MOSFET	Sandip Bhattacharya, Abhirupa Saha, Koushik Ghosh, Sandip Bhattacharya, Judhajit Sanyal	2018 Emerging Trends in Electronic Devices and Computational Techniques (EDCT)	2018	978-1-5386-3570-4
488.	Bit Error Rate Performance Analysis of Different Diversity Techniques for various Channels and also modeling the channel effect	Trilochan Patra, Sanjib Sil, Manabendra Maity	2018 2nd International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech)	2018	978-1-5386-3570-4
489.	Performance Analysis of Dual Axis Solar Tracker	Joyati Chattopadhyay	IJIREEICE, 2018	2018	978-1-5386-5550-4
490.	Company Poetry: Constructing India and Consolidating Colonial Power	Anwasha Dutta Ain	India Through British Eyes: DRS SAP-III) Fifth State-Level Conference Proceedings	2018-19	978-3-319-96967-1
491.	Serving New Interest in Named Data Network	Tanusree Chatterjee, Pritam Banerjee	International Conference on Emerging Technologies in Data Mining and Information Security	2018-19	NA
492.	Data forwarding and update propagation in grid network for NDN: A low-overhead approach	Tanusree Chatterjee, Sushmita Ruj, Sipra Das Bit	International Conference on Advanced Networks and Telecommunications Systems (ANTS)	2018-19	NA
493.	A Recursive Approach of Backbone Formation in Selfish Ad Hoc Networks	Tinku Adhikari, Arindam Ghosh, Raja Karmakar	IEEE International Conference on Research in Computational Intelligence and Communication Networks	2018-19	NA
494.	<a href="#">Mimicking Robotic Arm</a>	Gargi Saha, Srijita Das, Ankita Ghosh, Jit Rakshit, Kamal Hasan, Anuj Deb Roy, Nantu Das, Avishek Paul	International Conference on Research in Computational Intelligence and Communication	2018-19	978-981-10-7900-9,



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			Networks (ICRCICN)		
495.	Robust Control of Buck Converter using H-infinity Control Algorithm	Debarchita Mishra	Proceedings of 2018 IEEE Applied Signal Processing Conference (ASPCON)	2018-19	978-1-5386-1484-6
496.	Cascaded High Gain DC-DC Converter for DC Microgrid Application	SATABDI CHATTERJEE	International Conference on Power Energy, Environment and Intelligent Control (PEEIC) G. L. Bajaj Inst. of Technology and Management Greater Noida, U. P., India, Apr 13-14, 2018	2018-19	978-1-5386-5550-4
497.	Converter Based Wind Power Generation for DC Microgrid Application	SATABDI CHATTERJEE	Proceedings of the 2nd International Conference on Trends in Electronics and Informatics (ICOEI 2018) IEEE Conference Record: # 42666; IEEE Xplore ISBN:978-1-5386-3570-	2018-19	2321-5526