Conference publication

2021-2022

<u>ECE</u>

| Name Of The | Title Of The Paper | Title Of The | ISBN/ISSN |
|-------------------------------|--|--|---|
| Faculty | | Proceedings Of The | Number Of The |
| | | Conference | Proceeding |
| Dr. Sangita Roy | Single Image Very Deep Super Resolution (SIVDSR) Dehaze | Proceedings Of BECITHCON2021 | ISBN: 978-1-6654- 6622-6 Doi: 10.1109/BECITHC ON54710.2021.989 3583 |
| ARPITA SANTRA, Arnima Das, | On Some Findings On Micro-Strip Patch Antenna For Biomedical Applications | Proceedings Of 36th Indian Engineering Congress (IEC) | ISBN 978-81- 955500-1-2 DOI:10.36375/Prepa re_U.Iei.A146 |
| Arpita Santra, | Study Of Micro-Strip Patch Antenna For Applications In Contact- Less Door Bell Looking At The COVID-19 Pandemic Situation | Proceedings Of Computational Advancement In Communication, Circuits And Systems | SBN: 978-981-16- 4035-3 DOI Https://Doi.Org/10.1 007/978-981-16- 4035-3_31 |
| Dr. Anilesh Dey | Face Detection And Extraction Using Viola Jones Algorithm | Proceedings Of Computational Advancement In Communication, Circuits And Systems | SBN: 978-981-16- 4035-3 DOI Https://Doi.Org/10.1 007/978-981-16- 4035-3_9 |
| Dr. Sangita Roy | Single Image Dehazing With Deep Retinex Framework | Proceedings Of NCSTCS-2K21 | ISBN: 978-93- 89817-63-8 |
| Dr. Sangita Roy | Importance Of English In Engineering | Proceedings Of International Conference On English Language And Literature In The Pedagogical Perspective: Embracing The Landscape Shift Through Innovative | ISBN: 978-93- 89817-77-5 |

| | Practices (ICELLP 2K22) | |
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<u>CSE</u>

| Name of Author | Name of the Co-Authors | Title of Publication | Name of the Conference | DOI |
|-----------------------------|---|---|---|---|
| Jayanta Pal | Ghosh, S., Maji, B. and Bhattacharya, D.K. | A Unique Approach for Comparison of Protein Sequence Using PCA Analysis | International Conference on Technological Advancements and Innovations(ICTAI- 2021) | doi: 10.1109/ICTAI 53825.2021.967 3245. |
| Jayanta Pal | Ghosh, S., Maji, B. and Bhattacharya, D.K. | Protein Sequence Comparison on Fuzzy Matrix Amino Acid Space | International Conference on Technological Advancements and Innovations(ICTAI- 2021) | doi: 10.1109/ICTAI 53825.2021.967 3411 |
| Debjani Chakrabor ty | S.Choudhury,S. Dutta, B. Halder | Identification of Tampering Image Using SIFT Descriptor | 2021 Sixth International Conference on Image Information Processing (ICIIP) | 10.1109/iciip5 3038.2021.970 2601 |
| Anukul Maity | Anukul Maity, Mousumi Dutt, Arindam Biswas | Rectangularization of Digital Objects and Its Relation with Straight Skeletons | Combinatorial Image Analysis 21st International Workshop, IWCIA 2022, Messina, Italy, July 13–15, 2022, Proceedings | Online ISBN 978-3-031- 23612-9 Print ISBN 978-3-031- 23611-2 |
| Md Ashifuddi n Mondal | Zeenat Rehena | Common Ticketing Service in Multi- modal Transportation System | 2nd International Conference on Advanced Comput-ing and Applications, Springer- AISC Series | 978-981-16- 5207-3 |
| Koushik karmakar | Sohail Saif, Suparna Biswas, Sarmistha Neogy | A priority based routing protocol to improve Quality of Service (QoS) in Wireless Body Area Network for COVID and diabetic patients | 3rd International Conference on Communication, Devices and Computing (ICCDC 2021) | |

| Koushik karmakar | Sohail Saif, Suparna Biswas, Sarmistha Neogy | Application of relay nodes in WBAN based smart healthcare for energy conservation explained with case studies | International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN 2021) Jawaharlal Nehru Technological University Kakinada | |
|---------------------------|--|--|--|-----------------------|
| Shubhen du Banerjee | Sumit Kumar Singh, Atanu Das, Rajib Bag | Diagnoses of Melanoma Lesion Using YOLOv3 | Computational Advancement in Communication, Circuits and Systems | 1876-1100 |
| Subhram Das | Arijit Das, Tanisha Khan, D. K. Bhattacharya | Proper choice of a machine learning algorithm for breast cancer prediction | Lecture Notes in Electrical Engineering, Computational Advancement in Communication Circuits and Systems | 978-981-16- 4034-6 |
| Subhram Das | Navoneel Moitra, Akanksha Singh | Use of Convolutional Neural Network(CNN) to detect plant disease | Lecture Notes in Electrical Engineering, Computational Advancement in Communication Circuits and Systems | 978-981-16- 4034-6 |
| Subhram Das | Kumar Kalpadiptya Roy, Ipsita Mazumder, Arijit Das | Detection of COVID- 19 using deep transfer learning-based approach from X-ray and Computed Tomography(CT) images | Lecture Notes in Electrical Engineering, Computational Advancement in Communication Circuits and Systems | 978-981-16- 4034-6 |

<u>EE</u>

| Title of the Conference Publication | DOI |
|--|---|
| Economic Analysis for the Players Participatingin a Hybrid Solar Virtual Power Plant | https://doi.org/10.11 09/VLSIDCS53788.20 22.9811469 |
| PSO Optimized Decentralized Secondary Controlfor Frequency and Voltage Restoration in Islanded AC Microgrid | https://doi.org/10.11 09/INDICON52576.20 21.9691587 |
| Integration of Stocastic Energy for Real TimeBalancing and Pricing | https://doi.org/10.11 09/ICEPE55035.2022. 9798386 |

| A Review on Demand Response Techniques ofLoad Management in Smart Grid | https://doi.org/10.11 09/IPRECON52453.2 021.9640693 |
|--|---|
| Analysis of Series Load Resonant (SLR) DC–DCConverter under Different Modes of Operation | https://doi.org/10.11 09/PARC52418.2022. 9726544 |
| Application of Signal Processing and ArtificialNeural Network in Modelling of a scheme of Distance Relaying System for Protection of Overhead Transmission Lines | https://doi.org/10.10 49/icp.2021.1094 |
| Scheduling of Generation and Loads ThroughMarket Clearing Auction in a Dynamic PowerMarket | https://doi.org/10.11 09/ICEPE55035.2022. 9798194 |
| Application of FFT for Detection of Low Impedance Faults in Power System Network | ISSN: 2278-0181 |
| Application of FFT for Detection of High Impedance Faults in Power System Network | ISSN: 2278-0181 |
| Application of S-Transform for Detection of High Impedance Faults in Power System | ISSN: 2278-0181 |
| Co-optimization of Energy and Reserve Capacities through Expected Load Not Served | https://actsoft.org/es da2021 |
| Balancing Power Market in a Congested Systemthrough Stocastic Production | https://actsoft.org/es da2021 |
| Impact of DG Integration on ProtectionCoordination & Possible Solutions | https://actsoft.org/es da2021 |

| Name of the Authors | Title | Title of the proceedings of the conference | ISBN/ISSN number of the proceeding |
|--|--|---|---------------------------------------|
| Soumya Bhattacharyya, Sujata Kundu, Shyamapriya Chatterjee | Impacts of COVID-19: A Comprehensive Study Using Linear Regression Analysis in a Predictive Approach | Proceedings of 3rd ICCACCS 2020 | ISBN:978-981-16-4034- 6 |
| Tamasree Biswas, Mousumi Saha, Debpuja Dhar | Impact of Atmospheric Features for Covid-19 Prediction | Proceedings of 3rd ICCACCS 2020 | ISBN:978-981-16-4034- 6 |
| Sujata Kundu, Soumya Bhattacharyya, Shyamapriya Chowdhury | Women at Workplace | International Conference on The Future of Women in Technology FOWT-2021 | - |
| Sujata Kundu, Soumya Bhattacharyya, Shyamapriya Chowdhury | Legal Status of Women's Rights in Indian Constitution | International Conference on The Future of Women in Technology FOWT-2021 | - |
| Tamasree Biswas, Suchismita Maiti | Mask Detection and Alignment using Deep Learning Model | 2 nd International Conference on Microelectronics, Communication Systems, Machine Learning & Internet of Things (MCMI-2021) | - |

<u>CE</u>

| Name of Author | Title of Publication | Name of the Conference | ISSN/ISBN/DOI |
|---------------------|--|--|-----------------------------|
| Prof. Anusua Mandal | Remedial Measures to Landslides and Utilisation of Runoff Water | National Conference on Science, Technology & Communication Skills (NCSTCS 2K22) | ISBN: 978-93-89817- 42-3 |

<u>ME</u>

| Name of the Faculty | Title of paper | Name of the conference |
|------------------------|---|---|
| Mr. Arghya Gupta | A study to find out how surface roughness, chip thickness and MRR are related to each other. | 4 th National Conference on Science, Technology & Communication Skills |
| Mr. Arghya Gupta | A comparative study between weight of material removed poer second v/s MRR, depth of cut v/s MRR and spindle speed v/s MRR | 4 th National Conference on Science, Technology & Communication Skills |

EIE

| Title of the paper | Author | Name of the Conference | DOI |
|--|-------------------------|---|--|
| Analysis of Anhedonia Disorder Using Machine Learning | Sanghamitra Layek | IEEE DELCON 2022 | DOI: 10.1109/DELCO N54057.2022.97 53102 |
| Development Of Robot Navigation Based On Gesture Recognition | Sanghamitra Layek | 4th National Conference On Science, Technology And Communication Skills | |
| Design of Portable Integrated Sensor System for Local Monitoring of Climate Chang | Bansari Deb Majumder | Proceedings of International Conference on Computational Intelligence and Computing. Algorithms for Intelligent Systems | Springer, Singapore |

BSHU

| Name of the faculty | Title Of The Paper | ISSN/ISBN No. |
|---------------------|--|-----------------------|
| Dr Sarbani Ganguly | Vitamin–D Deficiency In Childern During Covid Period | 978-93-89817-63- 8 |
| Dr Sarbani Ganguly | New Technology For Cyber-Security | 978-93-89817-63- 8 |
| Dr Sarbani Ganguly | Prevention Of Noise Pollution | 978-93-89817-63- 8 |
| Dr. Shilpi Pal | A Study On Lean Six Sigma Management | 978-93-89817-63- 8 |
| Dr. Shilpi Pal | Study On Just-In-Time | 978-93-89817-63- 8 |
| Dr. Shilpi Pal | Was 2020-Lockdown A Boon For The Reduction Of Carbon Emission Or Was It Just A Myth | 978-93-89817-63- 8 |
| Sharmistha Basu | Studying English Facilitates Employment: A Brief Analysis On Communication Skills | 978-93-89817-63- 8 |
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| Aparajita Paul | Software And The Fun With Language Acquisition | 978-93-89817-63- 8 |
| Aparajita Paul | Ebonics And Black English | 978-93-89817-63- 8 |
| Aparajita Paul | Cross-Cultural Communication: A Study On Ethnocentrism | 978-93-89817-63- 8 |
| Aparajita Paul | Overcoming Cultural Clashes | 978-93-89817-63- 8 |

| Aparajita Paul | Role Of Non Verbal Communication In Corporate Communication | 978-93-89817-63- 8 |
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| Rajasi Ray | Artificial Intelligence In The Field Of Literature | 978-93-89817-63- 8 |
| Rajasi Ray | Role Of Teacher In Language Acquisition | 978-93-89817-63- 8 |
| Rajasi Ray | Development Of Robot Navigation Based On Gesture Recognition | 978-93-89817-63- 8 |
| Susmita Karan | Biomass | 978-93-89817-63- 8 |
| Susmita Karan | Mass Energy Equivalence | 978-93-89817-63- 8 |
| Susmita Karan | Simple Harmonic Motion And Lissajous Figure | 978-93-89817-63- 8 |
| Susmita Karan | Nanotechnology: The Technology That Can Bring Revolution | 978-93-89817-63- 8 |
| Dr. Sumit Nandi, Dr. Rupa Bhattacharyya | Blended Fuel From Mahua Oil (Madhuca Indica) | 978-93-89817-63- 8 |
| Dr. Sumit Nandi, Dr. Rupa Bhattacharyya | Analysis Of Stirring For Transesterification Reaction | 978-93-89817-63- 8 |
| Dr. Rupa Bhattacharyya, Dr. Sumit Nandi | Role Of Nano Graphene Oxide In Sustainability Of PVC | 978-93-89817-63- 8 |
| Dr. Rupa Bhattacharyya, Dr. Sumit Nandi | Stabilization Of PVC Using Nanosilica As The Nanomaterial | 978-93-89817-63- 8 |
| Dr. Dhananjay Kumar Tripathi | Effects Of Space Weather On Modern Communication System | 978-93-89817-63- 8 |
| Dr. Dhananjay Kumar Tripathi | Communication In Antarctica Using ANARESAT: A Review | 978-93-89817-63- 8 |

| Dr. Dhananjay Kumar Tripathi | Limitations Of Air Traffic Control Using Radar | 978-93-89817-63- 8 |
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| Dr. Indrani Sarkar | Bio Sensors And Applications | ISBN: 978-93- 89817-63-8 |
| Dr. Indrani Sarkar | Infrared Plastic Solar Cells | ISBN: 978-93- 89817-63-8 |
| Dr. Indrani Sarkar | Interactive Video Tutorials Can Be Used For Enhancing Problem Solving And | ISBN: 978-93- 89817-63-8 |
| Dr. Indrani Sarkar | Nutritional Dietrics | ISBN: 978-93- 89817-63-8 |
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| Payel Mondal | Energy Everywhere | 978-93-89817-63- 8 |
| Dr. Shilpi Pal | Linear Algebra And Modern Cryptography | 978-93-89817-63- 8 |
| Sharmistha Basu | Challenges Of Tech-Savvy Women In The Present Era | 978-93-89817-64- 5 |
| Sharmistha Basu | Tech-Women: An Indispensable Boon To Modern Era | 978-93-89817-64- 5 |
| Sharmistha Basu | Plight Of Women In The It Sector: A Study Based On The Bigotry | 978-93-89817-64- 5 |
| Dr. Nikhilesh Sil and Dibyendu Biswas | The Effects Of Zika Virus | 978-93-89817-63- 8 |
| Dr. Nikhilesh Sil and Dibyendu Biswas | Dynamical Behavior Of Zika Virus | 978-93-89817-63- 8 |
| Dr. Nikhilesh Sil and Dibyendu Biswas | The Effects Of Zika Virus On Human Population | 978-93-89817-63- 8 |
| Dr. Nikhilesh Sil | The Beauty Of Golden Ratio | 978-93-89817-63- 8 |
| Dr. Nikhilesh Sil and Dibyendu Biswas | A Mathematical Approach To Control Fileriasis Through Insectiside Spraying | 978-93-89817-63- 8 |

<u>2020-2021</u>

<u>ECE</u>

| Name of the teacher | Title of the paper | Title of the proceedings of the conference | ISBN/ISSN number of the proceeding |
|------------------------|---|--|--|
| Dr.Surajit Bari | Estimation of Power and Delay of CMOS Phase Detector and Phase-Frequency Detector Using Nano Dimensional MOS Transistor | Proceedings of IEEE 2020 IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS) | DOI: 10.1109/VLSIDCS4 7293.2020.9179921 |
| Sangita Roy | Hardware Implementation of Image Dehazing Mechanism using Verilog HDL and Parallel DCP | IEEE Xplore | http://dx.doi.org/10. 1109/ASPCON4979 5.2020.9276702 |
| Puspak Pain | Physical Proof and Simulation of Ternary Logic Gate in Ternary Quantum Dot Cellular Automata | 2nd International Conference on Computational Advancement in Communication circuit and System | Print ISBN 978-981-13-8686-2 Electronic ISBN 978-981-13-8687-9 doi: https://doi.org/10.10 07/978-981-13- 8687-9 |
| Pranab Hazra | GIS Based Rain Water Harvest Considering Population as a Function | 5th International Conference on Microelectronics, Computing & Communication Systems (MCCS- 2020) | |

| Dr. Anilesh Dey | Effect of Cognitive Task on the Central Nervous System | Proceedings of Computational Advancement in Communication, Circuits and Systems (ICCACCS 2020) | SBN: 978-981-16- 4035-3 |
|---|---|--|----------------------------|
| Dr. Anilesh Dey | Face Detection and Extraction Using Viola– Jones Algorithm | Proceedings of Computational Advancement in Communication, Circuits and Systems (ICCACCS 2020) | SBN: 978-981-16- 4035-3 |
| Dr. Anilesh Dey | Brain Computer Interface: A Review | Proceedings of Computational Advancement in Communication, Circuits and Systems (ICCACCS 2020) | SBN: 978-981-16- 4035-3 |
| Arpita Santra, Arnima Das, Dr. M. R. Kanjilal | Study of Micro- Strip Patch Antenna for Applications in Contact-less Door Bell Looking at the COVID-19 Pandemic Situation | Proceedings of Computational Advancement in Communication, Circuits and Systems (ICCACCS 2020) | SBN: 978-981-16- 4035-3 |

<u>CSE</u>

| Name of | Name of the | Title of | Name of the | DOI |
|-----------------------|-------------|---|---|-----|
| Author | Co-Authors | Publication | Conference | |
| Safikureshi Mondal | Z. Rehena | Challenges and Limitations of Social Data Analysis Approaches | Internet of Things Based Smart Healthcare: Intelligent and Secure Solutions Applying Machine Learning Techniques | |

| Safikureshi Mondal | Z. Rehena , N. Mukherjee | Social Data Analysis Techniques and Applications | Internet of Things Based Smart Healthcare: Intelligent and Secure Solutions Applying Machine Learning Techniques | |
|----------------------------|------------------------------|--|--|-----------------------|
| Safikureshi Mondal | Nandini Mukherjee | MICR: Mobile- Assisted Immunization of Child in Remote Healthcare | 4th International Conference on Intelligent Computing and Communication (ICICC - 2020) | |
| Safikureshi Mondal | Nandini Mukherjee | Efficient NoSQL Graph Database for Storage and Access of Health data | 4th International Conference on Intelligent Computing and Communication (ICICC - 2020) | |
| Safikureshi Mondal | Z. Rehena | A General Data Retrieval Technique in Remote Healthcare Application | International Conference on IoT and its Applications (ICIA), NIT Jamshedpur | |
| Safikureshi Mondal | G Kundu, N. Mukherjee | Building a Graph Database for Storing Heterogeneous Healthcare Data | Information and Communication Technology for Intelligent Systems (ICTIS-2020), Springer, | |
| Md Ashifuddin Mondal | Zeenat Rehena | An IoT based congestion control frame-work for Intelligent Traffc Management System | International Conference On Articial Intelligence and Data Engineering, Springer-Nature series "Advances in Intelligent System and Computing, Karnataka, India | 978-981- 15-3514-7 |
| Koushik karmakar | A Banerjee, A Chakraborty | Different sensors in modern day healthcare service | 3rd International Conference on Computational Advancement in Communication Circuits and Systems (ICCACCS-2020) | |

| Ananya Banerjee | Koushik Karmakar, Aritri Chakraborty | Different sensors in modern day healthcare service | 3rd International Conference on Computational Advancement in Communication Circuits and Systems (ICCACCS-2020) | 978-981-16- 4034-6 |
|----------------------------|---|--|--|---|
| Ananya Banerjee | D. K. Bhattacharya, Anilesh Dey | Effect of Cognitive Task on Central Nervous System | 3rd International Conference on Computational Advancement in Communication Circuits and Systems (ICCACCS-2020) | 978-981-16- 4034-6 |
| Shubhend u Banerjee | Aritra Bandyopadhy ay, Atanu Das, Rajib Bag | Four-directional detection-based gaussian noise removal | Computational Advancement in Communication Circuits and Systems | 10.1007/978 -981-13- 8687-9_24 |
| Debjani Chakrabor ty | A.Ghosh,S. Saha | A survey on Internet-of-Thing applications using electroencephalogr am | Emergence of Pharmaceutical Industry Growth with Industrial IoT Approach | <u>https://doi.or</u> <u>g/10.1016/B</u> <u>978-0-12-</u> <u>819593-</u> <u>2.00002-9</u> |

<u>EE</u>

| Title of the Conference Publication | DOI |
|---|---|
| Allocating The Variable Cost of TransmissionLines Due To Elastic Loads in A Congested Power Market | http://dx.doi.org/10. 26480/cic.01.2020.99 .102 |
| Price sensitivity based demand function forpower flow in congested transmission lines | https://doi.org/10.10 49/icp.2021.1039 |
| A comparative analysis between price-penalty factor method for combined economic emission dispatch problem using novel probabilistic CSA- | ISBN: 978-1-83953- 523-9 |
| Contingency Analysis Study for a 39 Bus Systemin a Micro- grid | https://actsoft.org/esda2020 |

| Name of the Authors | Title | Title of the proceedings of the conference | ISBN/ISSN number of the proceeding |
|--|--|--|--|
| Anindita Das, Koyel Chakraborty, Puspak Pain, Pallav Dutta, Sumanta Kundu, Soumya Bhattacharyya | Design of Portable Artificial Greenhouse Effect Prototype | 15th Edition of International Congress on Renewable Energy 2020 (ICORE) | - |
| Shubham Awasthi, Puspak Pain, Soumya Bhattacharyya | A Review on Continuous Monitoring Using Geo- Fencing Technology in Manifold Post COVID Future Aspect | Proceedings of 3rd National Conference on Science, Technology & Communication Skills (NCSTCS 2K20) | ISBN: 978-93- 89817-42-3 |
| Soumya Bhattacharyya | Criminal Face Detection Mechanism Using Image Recognition | Proceedings of "International Conference on Future Trends and Technological Advancement in Engineering 2020" | ISBN: 978-81- 950351-1-3 |
| Soumya Bhattacharyya, Anirban Bhar, Sujata Kundu, Shyamapriya Chowdhury | Cloud Computing: A Comprehensive study and Current Research Fields | Proceedings of "International Conference on Future Trends and Technological Advancement in Engineering 2020" | ISBN: 978-81- 950351-1-3 |
| Shambhu Nath Saha, Shyamal Kumar Das Mandal | Acoustic Analysis of Native (L1) Bengali Speakers' Phonological Realization of English Lexical Stress Contrast | Proceedings of International Conference on Natural Language Processing | ©2020 NLP Association of India (NLPAI) |

| Soumya Bhattacharyya, Anirban Bhar, Sujata Kundu, Shyamapriya Chowdhury | Image Encryption and Decryption using Chaotic Key Generated by Sequence of Henon Map and Sequence of States of Linear Feedback Shift Register | Proceedings of "International Conference on Future Trends and Technological Advancement in Engineering 2020" | ISBN: 978-81- 950351-1-3 |
|---|---|--|-----------------------------|
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<u>CE</u>

| Name Of Author | Title of Publication | Name of the Conference | ISSN/ISBN/DO I |
|---------------------|---|---|-------------------|
| Abhipriya Halder | Assesment of Liquefication potential of JIS University Building, Agarpara area in west Bengal as per IS 1893 (Part-1)- 2016 | International Conference on Futute trends and Technological advancement in engineering 2020, Narula Institute of Technology, Kolkata , | Web of science |
| Abhipriya Halder | A Comparative Analysis on Evaluation of Liquefaction Potential from SPT and DMT/SDMT for Alluvial Soil in Newtown, Rajarhat area of Kolkata | Second ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies" (CRSIDE2020), Kolkata | Web of science |

| Raj Kumar Banerjee | Assesment of Liquefication potential of JIS University Building, Agarpara area in west Bengal as per IS 1893 (Part-1)- 2016 | International Conference on Futute trends and Technological advancement in engineering 2020, Narula Institute of Technology, Kolkata , | Web of science |
|-----------------------|--|--|-----------------------------|
| Abhishek Hazra | A Study on the Seismic Behavior of RCC and Steel- Concrete Composite Structure | International Conference on Future Trends and Technological Advancement in Engineering 2020, Narula Institute of Technology, Kolkata | ISBN: 978-81- 950351-1-3 |
| Abhishek Hazra | Capturing Inelastic Behavior of R/C Structures in terms of Hysteresis Modelling: State of the Art | International Conference on Future Trends and Technological Advancement in Engineering 2020, Narula Institute of Technology, Kolkata | ISBN: 978-81- 950351-1-4 |
| Arpita Mandal | A Study on the Seismic Behavior of RCC and Steel- Concrete Composite Structure | International Conference on Future Trends and Technological Advancement in Engineering 2020, Narula Institute of Technology, Kolkata | ISBN: 978-81- 950351-1-3 |

<u>ME</u>

| Name of the Faculty | Title of paper | Name of the conference |
|--------------------------|---|---|
| Akhtarujjam an Srakar | Application of WS2 powder suspensionin dielectric for μ-EDM in surface modification of HSS | International Conference on Future Trends and Technological Advancement in Engineering 2020. |
| Soumojit Dasgupta | Influence og machining parameters on tool life and optimization in turning mild steel using high speed steel tool | International Conference on Future Trends and |

| | | Technological Advancement |
|-------------|---|-----------------------------|
| | | in Engineering 2020. |
| | | International Conference on |
| Goutam Roy | A low cost effective technique to repair open | Future Trends and |
| Goutain Koy | crack in Beams. | Technological Advancement |
| | | in Engineering 2020. |
| | | International Conference on |
| Dr. Bikash | Optimization of process parameters of WEDM | Future Trends and |
| Panja | of titanium alloy using taguchi methodology | Technological Advancement |
| | | in Engineering 2020. |
| | An investigative analysis of MRR values | International Conference on |
| | obtained experimentally with MRR values | Future Trends and |
| Arghya | determined theoritically of aluminum | Technological Advancement |
| Gupta | workpiece using carbide tool tip and to study | in Engineering 2020. |
| | the effect of the differences on surface | |
| | roughness | |

<u>EIE</u>

| Title of the publication | Name of faculty | Publication Type |
|---|-------------------|-----------------------------|
| Smart Wrist-Bands for Womens' Safety | Sanghamitra Layek | International Conference |
| An integrated approach for design of hidden camera detector for women's safety | Sanghamitra Layek | International Conference |
| An Approach to Women Safety using GPS, GSM and MEMS sensor | Sanghamitra Layek | International Conference |
| IoT Based Saline Level Monitoring System | Sanghamitra Layek | National conference |

<u>BSHU</u>

| Name of the faculty | Type of Publication | Title of the Paper | ISSN/ISBN No. |
|------------------------|------------------------|--------------------------------------|-------------------|
| Dr Sarbani | Conference | Recovery of Nickel and Cadmium fro E | 978-93-89817-42-3 |
| Ganguly | Proceedings | -waste | |

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|---|---------------------------|--|-------------------|
| Dr. Rupa Bhattacharyya and Dr. Sumit Nandi | Conference Proceedings | Mechanical Property Modification of PVCby Nano Graphene Oxide | 978-93-89817-42-3 |
| Dr. Rupa Bhattacharyya and Dr. Sumit Nandi | Conference Proceedings | Influence of PMMA on Nano Graphene Oxide Incorporated PVC | 978-93-89817-42-3 |
| Dr. Sumit Nandi and Dr. Rupa Bhattacharyya | Conference Proceedings | Alcohol Efficiency for Biodiesel Conversion from Waste Cooking Oil | 978-93-89817-42-3 |
| Dr. Sumit Nandi and Dr. Rupa Bhattacharyya | Conference Proceedings | Blended Fuel | 978-93-89817-42-3 |
| Dr. Rupa Bhattacharyya and Dr. Sumit Nandi | Conference Proceedings | Use of Silica Nanoparticles in Modifying the Mechanical Properties of PVC | 978-93-89817-42-3 |
| Dr. Rupa Bhattacharyya | Conference Proceedings | Art and the Future of Artificial Intelligence | 978-93-89817-42-3 |
| Avishek Chakraborty | Conference Proceedings | Aggregation Operator Based Multi Criteria Group Decision Making Model in PNN Environment | 978-93-89817-42-3 |
| Dr. Nikhilesh Sil | Conference Proceedings | The Behavior of Hepatitis C Virus Infectionin Fuzzy Environment | 978-93-89817-42-3 |
| Dr. Nikhilesh Sil | Conference Proceedings | The Behaviour of Glucose-Insulin Regulatory Systemin Fuzzy Environment | 978-93-89817-42-3 |

| Dr. Susmita Karan | Conference Proceedings | E-Waste Management and Recycling in India | 978-93-89817-42-3 |
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| Dr. Susmita Karan | Conference Proceedings | Artificial Intelligence and Covid-19 Pandemic: Comparative Study | 978-93-89817-42-3 |
| Dr. D. K. Tripathi | Conference Proceedings | Effect of space weather on radio communication: A review | 978-93-89817-42-3 |
| Debopriya Dey | Conference Proceedings | Stability Analysis of a prey-predator with a Holling Type I functional response | 978-93-89817-42-3 |
| Debopriya Dey | Conference Proceedings | Are Black Hole limited to our Knowledge or beyond that | 978-93-89817-42-3 |
| Dr. Rupa Bhattacharyya and Dr. Sumit Nandi | International conference Proceedings | Incorporation of nanofiller in PVC- poly(butyl acrylate) blends for enhanced environmental stability | 978-93-5426-025-4 |
| Dr Sarbani Ganguly | International conference Proceedings | Solid state fermentation of mustard meal with lactic acid bacteria to improve the nutritional quality | 978-93-5426-025-4 |

<u>2019-2020</u>

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| Dr.Anile sh Dey | Recurrence quantification analysis of electrocardiogram signals to recognize the effect of a motivational song on the cardiac electrophysiology | Lecture Notes in Electrical Engineering, Springer | Electron ic ISBN: 978- 981-13- 8687-9 | Springer |
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| Sangita Roy | Emergency security alarm for labours during construction of high-tower buildings | Proceedings Of National Conference On Environmental Sustainability, Water Resource And Management (ESWRM 2019) | ISBN: 978-93- 89817- 19-5 | Ideal Internation al E – Publication Pvt. Ltd. |
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| Arpita Santra | On some studies on Effects of Vegetation on Air Pollution | Proceedings Of National Conference On Environmental Sustainability, Water Resource And Management (Eswrm 2019) | ISBN: 978-93- 89817- 19-5 | Ideal Internation al E – Publication Pvt. Ltd. |
| Arpita Santra | Waste Water Treatment Technology in Steel Industry: A Study | Proceedings Of National Conference On Environmental Sustainability, Water Resource And Management (Eswrm 2019) | ISBN: 978-93- 89817- 19-5 | Ideal Internation al E – Publication Pvt. Ltd. |
| Abhijit Ghosh | Automated Irrigation System using Graphite- based Soil Moisture Sensor | Proceedings Of National Conference On Environmental Sustainability, Water Resource And Management (Eswrm 2019) | ISBN: 978-93- 89817- 19-5 | Ideal Internation al E – Publication Pvt. Ltd. |
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<u>CSE</u>

| Name of Author | Name of the Co-Authors | Title of Publication | Name of the Conference | DOI |
|-----------------------|---|--|---|--|
| Sagarika Chowdhury | D. Dhal, R. K. Pal, and G. Saha | Incorporating Multiple Assay Operations and Cross Contamination Avoidance in Digital Microfluidic Biochips with Reduced Number of Pins | Int. Conf. on IEEE TENSYMP 2020 | |
| Shubhendu Banerjee | Aritra Bandyopadhyay, Atanu Das, Rajib Bag | Sequentially combined mean- median filter for high density salt and pepper noise removal | 2019 IEEE International Conference on Research in Computational Intelligence and | 10.1109/ ICRCIC N.2015. 7434203 |

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| Kunal Da | Puspak Pain, Arindam Sadhu, Maitreyi Ray Kanjilal | Physical Proof and Simulation of Ternary Logic Gate in Ternary Quantum Dot Cellular Automata | Lecture Notes in Electrical Engineering | https://d oi.org/1 0.1007/9 78-981- 13- 8687- 9_34 |

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| Title of the Conference Publication | DOI |
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| Enhanced FSR asymmetrical triple optical ringresonator | https://dx.doi.org/10 .2139/ssrn.3518219 |
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| Unit Commitment Solution By Branch and Bound Algorithm | https://dx.doi.org/10 .2139/ssrn.3516618 |
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| Mathematical modeling of Double TriangularResonators having Cascade Coupling | ISBN: 978-81-950351- 2-0 |
| Determination of Fault Location in a Long Transmission Line based on Feature Extraction, Regression and Artificial Neural Network System | http://www.ieindia.o rg/WebUI/ajax/Down loads/WebUI_PDF/R |

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|--|---|--|--|-----------------------------|
| Name of the | Title | proceedings of the | Publisher | number of the |
| Authors | | conference | | proceeding |
| Soumya Bhattacharyya | Design of Eco- Friendly Air Quality Monitoring System | Proceedings of National Conference on Environmental Sustainability, Water Resource and Management | Ideal International E Publication Pvt. Ltd. | ISBN: 978-93- 9817-19-5 |
| Shyamapriya Chatterjee, Sudip Chatterjee, Shouvik Bhattacharjee | Rainwater Harvesting in some Water-scarce Regions of India: Potential and Pitfalls | Proceedings of National Conference on Environmental Sustainability, Water Resource and Management | Ideal International E Publication Pvt. Ltd. | ISBN: 978-93-89817- 19-5 |
| Shyamapriya Chatterjee, Sujata Kundu, Souvik Paul | Solid Waste Management in Some Places of India for the Development of Society | Proceedings of National Conference on Environmental Sustainability, Water Resource and Management | Ideal International E Publication Pvt. Ltd. | ISBN: 978-93-89817- 19-5 |
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| Anirban Bhar, Soumya Bhattacharyya, Soumyajit Ghosh, Ruparna Mukherjee | A Framework to Retrieve Information and Data Mining Using Data Structures | Proceedings of National Conference on Environmental Sustainability, Water Resource and Management | Ideal International E Publication Pvt. Ltd. | ISBN: 978-93-89817- 19-5 |
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| Sujata Kundu, | Sources of Air | National Conference | Ideal | |
| Shyamapriya | Pollution, Pollutants | on Environmental | International E | ISBN: 978-93- |
| Chatterjee, | and it's Effects on | Sustainability, Water | Publication Pvt. | 89817-19-5 |
| Nickita Sarkar | Human Health | Resource and | Ltd. | |
| | | Management | | |

<u>CE</u>

| Name of Author | Title of Publication | Name of the Conference | ISSN/ISBN/ DOI |
|-----------------------|--|---|-------------------|
| Abhipriya Halder | A Comparative Analysis on Evaluation of Liquefaction Potential from SPT and DMT/SDMT for Alluvial Soil in Newtown, Rajarhat area of Kolkata | Second ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies" (CRSIDE2020), Kolkata | Web of science |
| Abhipriya Halder | Bio- energy potentials from Biomass | National Conference on Environmental Sustainability, Water resource and Management (ESWRM-2019) | Web of science |
| Abhipriya Halder | Concrete uses in Carbon Capture | National Conference on Environmental Sustainability, Water Resource and Management | Web of science |
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| Arya Banerjeee | Concrete uses in Carbon Capture | National Conference on Environmental Sustainability, Water Resource and Management | Web of science |
| Rajkumar Banerjeee | Bio- energy potentials from Biomass | National Conference on Environmental Sustainability, Water resource and Management (ESWRM-2019) | Web of science |

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| Abhishek Hazra | A Perspective on Domestic Waste Water Management in Urban Areas of India | National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019) Narula Institute of Technology, 8-9th November, 2019 | ISBN: 978- 93-89817-19- 5 |
| Abhishek Hazra | BIM- The Future of Sustainable Development | National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019) Narula Institute of Technology, 8-9th November, 2019 | ISBN: 978- 93-89817-19- 5 |
| Abhishek Hazra | An Overview on Artificial Recharging Methods of Sub Surface Ground Water | National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019) Narula Institute of Technology, 8-9th November, 2019 | ISBN: 978- 93-89817-19- 5 |
| Abhishek Hazra | Study on Various Methods for the Removal of Arsenic Contamination in Groundwater | National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019) Narula Institute of Technology, 8-9th November, 2019 | ISBN: 978- 93-89817-19- 5 |
| Abhishek Hazra | An Overview on Environmental impact - Natural Draught vs. Induced Draft Cooling Tower | National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019) Narula Institute of Technology, 8-9th November, 2019 | ISBN: 978- 93-89817-19- 5 |

<u>ME</u>

| Name of the Faculty | Title of paper | Name of the conference |
|------------------------|---|---|
| Goutam Roy | Study of the effects of a crack in statically loaded structural elements with the aid of piezosensor | National Conference on Trends and Advances in Mechanical Engineering 2019 |
| Dr. Bikash Panja | A Study on Kerf Width of EN47 Steel in WEDM | National Conference on Trends and Advances in Mechanical Engineering 2019 |

EIE

| Title of the publication | Author | Name of the Conference |
|--|-------------------------|---|
| Smart Agriculture Monitoring And Irrigation System Using IOT | Bansari Deb Majumder | Proceedings of International Conference on Industry Interactive Innovations in Science, engineering and technology |
| Analytical Approximation of water quality by simultaneous detection of Anions and Iron contaminant in some collected samples | Bansari Deb Majumder | National Conference on Environmental Sustainability, Water Resource, and Management |
| Implementation of IoT in Water purification and distribution of potable water: An Industrial Case Study | Bansari Deb Majumder | Research Network (EngRN), Proceedings of International Conference on Industry Interactive Innovations in Science, engineering and technology |
| Communicative Wearable Design Approach for Soundless World | Susmita Das | International Conference on Electrical, Electronics, Computer Science & Civil Engineering at Pailan College of Management and Technology |
| System Stability Performance Analysis on an Artificial Lower Limb | Susmita Das | CODEC 7th International Conference on Computers and Devices for Communication |

BSHU

| Name of the faculty coordinator (if any) | Type of Publication | ISSN/ISBN No. |
|---|------------------------|------------------------------|
| Dr. Sumit Nandi and Dr. Rupa Bhattacharyya | Conference Proceedings | ISBN: 978-93- 89817-19-5) |
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| Dr. Nikhilesh Sil | Conference Proceedings | ISBN: 978-93- 89817-19-5 |
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| Ms. Debopriya Dey | Conference Proceedings | ISBN: 978-93- 89817-19-5 |
| Dr. Susmita Karan | Proceedings Publication | ISBN: 978-93- 89817-19-5 |
| Dr. Sarbani Ganguly | Proceedings of 2nd National conference on science, technology and communication skills (NCSTCS 2K19) | ISBN:978-93- 86675-98-9 |
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<u>2018-2019</u>

ECE

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| Dr.SandhyaPattanay ak | ANN Based Spectrum Sensing Technique for Cognitive Radio Applications | DOI: 10.23 919/RADI 0.2018.857 2422 | IEEE (scopus) |
| PiyuSarcar | A Survey on Different Threats and its Remedial of Wireless Sensor Network | ISBN: 978- 93-86675- 98-9 | Ideal International E – PublicationPvt. Ltd. |
| Sangita Roy | QualNet and Its Application in UMTS Platform | ISBN: 978- 93-86675- 98-9 | Ideal International E – PublicationPvt. Ltd. |
| Sangita Roy | Scalable Networks with UMTS And Its Performance | ISBN: 978- 93-86675- 98-9 | Ideal International E – PublicationPvt. Ltd. |
| Arpita Santra | Ka Band Microstrip Antenna for Space Applications | ISBN: 978- 93-86675- 98-9 | Ideal International E – PublicationPvt. Ltd. |
| Puspak Pain | Design of PortableSingle Phase Capacitive Discharge Electronic Welding System | ISBN: 978- 93-86675- 98-9 | Ideal International E – PublicationPvt. Ltd. |

| Dr.Anilesh Dey | Analysis of Heart Rate Variability to Understand the Immediate Effect of Smoking on the Autonomic Nervous System Activity | ISBN 978- 981-13- 8686-2 | Springer Nature Singapore Pte Ltd. 2020 |
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| Dr.Anilesh Dey | Recurrence Quantification Analysis of Electrocardiogram Signals to Recognize the Effect of a Motivational Song on the Cardiac Electrophysiology | ISBN 978- 981-13- 8686-2 | Springer Nature Singapore Pte Ltd. 2020 |
| Pranab Hazra | Meteorological Parameter Studies During 6 December 2016 Indonesia Earthquake (Mw 6.5) | ISBN 978- 981-13- 8686-2 | Springer Nature Singapore Pte Ltd. 2020 |
| Dr.Salil Kumar Sanyal | WARP Test Bed Implementation of Lag Order and Data Length-optimized AR Spectrum Estimation Algorithm | ISBN 978- 981-13- 8686-2 | Springer Nature Singapore Pte Ltd. 2020 |
| Dr.Anilesh Dey | Unvoiced Speech Recognition Using Dynamic Analysis of EMG Signal | ISBN 978- 981-13- 8686-2 | Springer Nature Singapore Pte Ltd. 2020 |
| Dr.Saradindu Panda | Comparative Analysis of 6-T SRAM Cell in Terms of Power Using CMOS and DGMOS | ISBN 978- 981-13- 8686-2 | Springer Nature Singapore Pte Ltd. 2020 |

| Puspak Pain | Design and Comparative Analysis of Low- Power, High-Speed, 3-Bit Flash ADC for Biomedical Signal Processing Using 45- nm CMOS Technology | ISBN 978- 981-13- 8686-2 | Springer Nature Singapore Pte Ltd. 2020 |
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<u>CSE</u>

| Name of Author | Name of the Co-Authors | Title of Publication | Name of the Conference | DOI |
|-----------------------------|---------------------------|---|---|----------------------------------|
| Md Ashifuddi n Mondal | Zeenat Rehena | Identifying Traffic Congestion Pattern using K-means Clustering Technique | 4th International Conference on Internet of Things: Smart | 10.1109/IoT- SIU.2019.8777729 |

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| Md | Zeenat | | Mobility with | 10.1145/3308560.33170 |
| Ashifuddi | Rehena | | Web | 53 |
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| | | | Conference on | |
| | | A Hierarchy of | Scientific | |
| Koushik | Jyoti Sekhar Banerjee | Micro and Network | Paradigm | |
| karmakar | | Mobility Protocols | Shift in | |
| | | WIODINITY I TOTOCOIS | Information | |
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| | | | Lecture Notes | |
| | Subhra Palit, | A new way to find | in Electrical | |
| | Anindya Raj | similarity/dissimilari | Engineering, | |
| Subhram | Mahalanabis | ty of DNA | Computational | |
| Das | h and | sequences on the | Advancement | 978-81-322-2273-6 |
| | Nobhonil | basis of | in | |
| | Roy | dinucleotides | Communicatio | |
| | Choudhury | representation | n Circuits and | |
| | | | Systems | |
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| | | | Proceedings of | |
| | | | the 20th | |
| | | | International | |
| | | A blockchain based | Conference on | |
| Chandrim | Chan duine | incentive scheme for | Distributed | |
| a | Chandrima Chalanahanti | post disaster | Computing | 0.701455.10 |
| Chakrabar | Chakrabarti, | opportunistic | and Notworking | 9.78145E+12 |
| ti | Souvik Basu | communication over DTN | Networking, IISC | |
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| Chandrim a Chakrabar ti | Chandrima Chakrabarti, Siuli Roy | iSecure: imperceptible and secure peer-to-peer communication of post-disaster situational data over opportunistic DTN | ICDCN '19 Proceedings of the 20th International Conference on Distributed Computing and Networking, IISC Bangalore, India, January 04 - 07, 2019 ACM New York, | 9.78145E+12 |
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IT

| Name of the Authors | Title | Title of the proceedings of the conference | Publisher | ISBN/ISSN number of the proceeding |
|--|---|--|--|---|
| Soumya Bhattacharyya | Design of Eco- Friendly Air Quality Monitoring System | Proceedings of National Conference on Environmental Sustainability, Water Resource and Management | Ideal International E Publication Pvt. Ltd. | ISBN: 978-93- 9817-19-5 |
| Shyamapriya Chatterjee, Sudip Chatterjee, Shouvik Bhattacharjee | Rainwater Harvesting in some Water-scarce Regions of India: Potential and Pitfalls | Proceedings of National Conference on Environmental Sustainability, Water Resource and Management | Ideal International E Publication Pvt. Ltd. | ISBN: 978-93- 89817-19-5 |
| Shyamapriya Chatterjee, Sujata Kundu, Souvik Paul | Solid Waste Management in Some Places of India for the Development of Society | Proceedings of National Conference on Environmental Sustainability, Water Resource and Management | Ideal International E Publication Pvt. Ltd. | ISBN: 978-93- 89817-19-5 |