**Name of the Faculty/Department/Institute: Faculty of Science & Engineering; Electrical and Electronics Engineering (EEE), Sonargaon University.**

| Sl No. | Name of the Researcher with Designation | Title of the Research work | Area of Research | Year of Completion /On going | Nos. of Research works published | Name of the Journal (If the research work is published) | Impact factor Journal | Journal/Publication link | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Md. Mahe Alam<br>Assistant Professor | 1) Md. Mahe Alam and Md. Sirajul Islam , " A study on the performance of hybrid power generation system " Volume 2 , Number 1 , June 2017 Sonargaon University(SU) ,ISSN 2518-3125 , Dhaka 1215 (2) Md. Mahe Alam and Dr. P.K Shadhu Khan , " A study on the performance of Active Filters " Proceedings 2nd International Conference on Electrical Engineering (ICEE 2002) ,ISBN: 984-31-1528-7 , Dhaka | Power, Electronics | 2017 | 2 | SU JOURNAL V-1 | 1.92 | https://scholar.google.com/scholar?q=issn+2518-3125&hl=en&as_sdt=0&as_vis=1&oi=scholart | Published |
| 2 | Nilufer Yeasmin<br>Lecturer | Emotion Recognition Based on Vertical Crosscorrelation Sequence from facial expression images. Date Added to IEEE Xplore: October 2, 2017 | Image Processing, Signal Processing | 2017 | 1 | IEEE | 3.557 | https://ieeexplore.ieee.org/document/8053180 | Published |
| 3 | Ferdous S. Azad<br>Lecturer | 1. Naheed Hossain, Syed Raihan Hossain, Ferdous S. Azad, Univariate Time Series Prediction of Reactive Power Using Deep Learning Techniques--.International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST) 2019 | Signal Processing, Power | 2019 | 1 | IEEE | 3.557 | https://ieeexplore.ieee.org/document/8644160 | Published |
| 4 | Dipayan Saha<br>Lecturer | 1. D. Saha, M. Ferdoushi, MT Emrose, S Das, S.M.M. Hasan, AI Khan, C. Shahnaz, Deep Learning Based Eye Gaze Controlled Robotic Car, IEEE Region 10 Humanitarian Technology Conference, Colombo, Sri Lanka, 2018.<br>2. M.T.Islam, D. Saha, S. M. M. Rahman, M. O. Ahmed, and M. N. S. Swamy, A Variational Step for Reduction of Mixed Gaussian-Impulse Noise from Images, In Electrical and Computer Engineering, 2018, ICECE 2018, International Conference on. IEEE 2018, pp.97-100. | Image Processing, Signal Processing, Electronics | 2018 | 2 | IEEE | 3.557 | https://ieeexplore.ieee.org/abstract/document/8629836<br>https://ieeexplore.ieee.org/document/8636754 | Published |

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| 5 | Md. Rakibul Alam<br>Lecturer | 1. Md. R. Alam and J. Ferdous, “Implementation of Downlink Physical Channels and Channel estimation for Long-Term Evolution (LTE)”, IJERA, Vol. 8, Issue 2, (Part -3), pp.45-49, 2018<br>2. Md. R. Alam, Md. I. Hossain and J. Ferdous, “Analytical Device Model of Graphene Nanoribbon Field Effect Transistor”, IJRP, Vol. 14, Issue 1, 2018<br>3. Md. R. Alam, T. R. Pathan, H. Rahman, “Drain Current Model of Graphene Channel G4-FET and Gate-All-Around MOSFET”, IJIREEICE, Vol. 6, Issue 10, 2018<br>4. Md. R. Alam and H. Rahman, “Effect of Gate Bias on Graphene Channel of G4-FET and Gate-All-Around MOSFET”, in Proc. (Accepted), 10th ICECE, 2018 | Nano Device, Elecronics, Communication, Semiconductor Devices | 2018 | 4 | IJERA, IJRP, IJIREEICE, IEEE | 6.185, 6.581, 3.557 | http://www.ijera.com/papers/Cover%20papers/8(2)/IJERA%208(2)V3.pdf<br><br>https://ijrp.org/paper-detail/388<br><br>https://ijireeice.com/wp-content/uploads/2018/11/IJIREEICE.2018.6101.pdf<br><br>https://ieeexplore.ieee.org/document/8636705 | Published |
| 6 | Shameem Hasan<br>Lecturer | 1. Shameem Hasan, “Prediction of Diabetes Based on Artificial Intelligence Technique”, International Research Journal of Engineering and Technology (IRJET), 2018, Vol. 5(11), pp. 12-15.<br>2. Shameem Hasan, “Design of a Slow Light Propagating Waveguide Based on Electromagnetically-Induced Transparency for Subwavelength Filters”, International Research Journal of Engineering and Technology (IRJET), 2018, Vol. 05(12), pp. 23-26.<br>3. Shameem Hasan, “Prediction of Air Pollutant Concentration Based On Artificial Intelligence Technique”, International Organization of Scientific & Research (IOSR) -Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), 2018, Vol. 12(11), pp. 01-07.<br>4. Shameem Hasan, “Improvement of Transient Response of a DC Motor Controller Based on Non-Linear Optimization Techniques”, International Journal of Engineering and Technical Research (IJETR), 2018, Vol. 08(11), pp. 08-13.<br>5. Golam Sarowar and Shameem Hasan, “Enhancement of Cruise Control System by Improving Transient Response of Motor Controller using Non-Linear Optimization Techniques”, International Journal of Computer | AI, Communication, Power, Electronics | 2019 | 6 | IRJET | 6.171 | https://www.irjet.net/archives/V5/i11/IRJET-V5I1102.pdf<br><br>https://www.irjet.net/archives/V5/i12/IRJET-V5I1205.pdf<br><br>https://www.erpublication.org/published_paper/IJETR2687.pdf<br><br>http://paper.ijcsns.org/07_book/201812/20181220.pdf<br><br>https://ijasre.net/index.php/ijasre/article/view/83 | Published |

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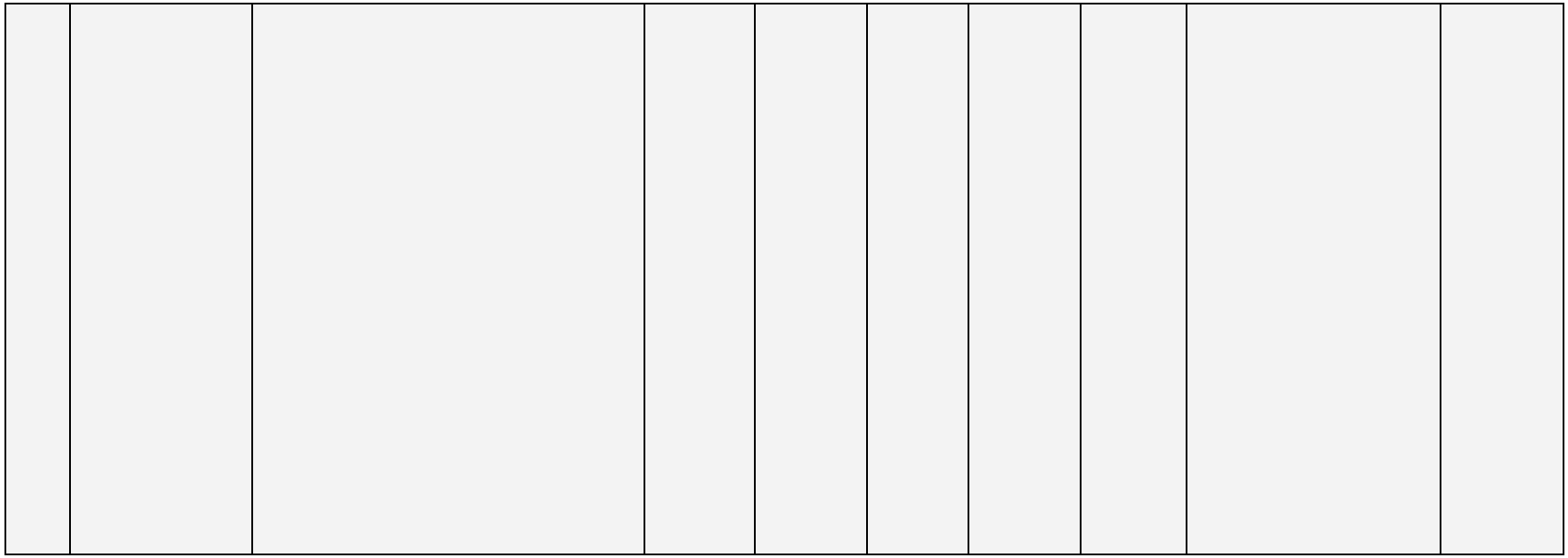
| 7 | Syed Raihan Hossain<br>Lecturer | 1. Naheed Hossain, Syed Raihan Hossain, Ferdous S. Azad, Univariate Time Series Prediction of Reactive Power Using Deep Learning Techniques--.International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST) 2019 | Signal Processing, Power | 2019 | 1 | IEEE | 3.557 | https://ieeexplore.ieee.org/document/8644160 | Published |
| 8 | Md.Majharul Islam<br>Lecturer | **1**. Md Majharul Islam, Showmik Singha, Md Mohsinur Rahman Adnan, Tuhin Dev, Design and Characterization of Two Different Structure of Junctionless Nanowire Transistor Considering Quantum Ballistic Transport Model--.International Conference on Advancement in Electrical and Electronic Engineering (ICAEEE) 2018<br><br>**2.** Md Majharul Islam, Md Farhanul Islam, Showmik Singha"Design and Implementation of Raspberry Pi Based Real time IndustrialEnergy Analyzer" International Conference on Electrical, Computer and Communication Engineering (ECCE), 7-9 February, 2019<br><br>**3.** E. H. Minhaj, M. Abdur Razzak, M. M. Islam and M. M. R. Adnan, "Performance Enhancement of Multigate FinFETs by Using High-k Stack Oxide," 2019 1st International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT), Dhaka, Bangladesh, 2019, pp. 1-4. doi: 10.1109/ICASERT.2019.8934656 | Nano Devices, Semiconductor Devices, Electronics, VLSI, FETs, IoT, Power | 2019 | 3 | IEEE | 3.557 | https://ieeexplore.ieee.org/document/8642999/<br>https://ieeexplore.ieee.org/document/8679392/<br>https://ieeexplore.ieee.org/document/8934656/ | Published |

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| 9 | Md. Iqbal Kabir<br>Lecturer | 1) The journal titled, "Analysis of highly efficient perovskite solar cells with inorganic hole transport material" has been published in Chinese Physics B under IOP Science Publication, with Dr. Shaikh Asif Mahmood, Associate Professor, Department of Electrical and Electronic Engineering, BUET. Publication Year: 2019, Vol: 28, Issue No: 12, Page(s):128801<br>2) 6th International Conference on Networking, Systems and Security (6th NSysS 2019) has publishe:d my paper titled "ECG Sonification: A New Approach for Diagnosis of Cardiac Pathologies" with Shaid Hasan, Pratic A Muntakim, student of EEE, BUET, Dhaka, 1000. Publication Year: December 2019, Page(s): 99–103, Paper ID: 43<br>3) The another paper titled, "Comparative Study on Perovskite Solar Cells Using Inorganic Transport Layers" has been published in the 3rd IEEE International Conference on Telecommunications and Photonics (ICTP), 2019, with Dr. Shaikh Asif Mahmood, Associate Professor, Department of Electrical and Electronic Engineering, BUET, Dhaka 1000. Publication Year: December 2019, Paper ID:33<br>4) The 10th International Conference on Electrical and Computer Engineering (ICECE 2018) has published my paper titled, "Cost Effective Perovskite Solar Cell with Inorganic Hole□ Transporting Material" with Dr. Shaikh Asif Mahmood, Associate Professor, Department of Electrical and Electronic Engineering, BUET and Farhan Sadik, student of EEE, BUET, Dhaka, 1000 | Perovskite Solar Cell and ECG Sonification | 2019 | **4** | Chinese Physics B (IOP Publication) | 1.469 | 1) https://doi.org/10.1088/1674-1056/ab520f<br><br>2) https://ieeexplore.ieee.org/document/9041784<br><br>3) https://doi.org/10.1145/3362966.3362968<br><br>4) https://ieeexplore.ieee.org/document/8636703 | Published |
| 10 | Md. Ashikur Rahman<br>Lecturer | Md. Julficker Ali, Abdur Rahman Abdullah, Bidduth Biswas, Md. Maidul Islam, Md. Ashikur Rahman, Omar Faruqe, Ashrafun Naher Pinky, Md. Tawfiq Amin, "An Active Inductor Based Quadrature-VCO in 90nm Process for IEEE 802.11b Applications." 4th International Conference on Electrical Information and Communication Technology (EICT), 20-22 December 2019, Khulna, Bangladesh. | Analog Electronics | 2019 | 1 | IEEE | 3.557 | https://ieeexplore.ieee.org/abstract/document/9068833 | Published |
| 11 | Tabassum Alam Meem<br>Lecturer | Wheelchair Motion Control by Analyzing Neck EMG Signal | Biomedical Signal Processsing | Ongoing | | | | | Ongoing |