



JSS Mahavidyapeetha

JSS Academy of Technical Education, Noida

Department of Electrical & Electronics Engineering



Publication Details

Journal Publications: 2024

1. Suresha, B., Shankar, C. & Rudraswamy, S.B. A floating memristor emulator for analog and digital applications with experimental results. *Analog Integr Circ Sig Process* **118**, 77–90 (2024). <https://doi.org/10.1007/s10470-023-02221-4>.
2. Suresha, B. & Shankar, Chandra & Rudraswamy, S.. (2024). A multiplier-less meminductor emulator with experimental results and neuromorphic application. *Analog Integrated Circuits and Signal Processing*. 120. 1-15. 10.1007/s10470-024-02286-9.
3. Mohd Owais Khan, Sheeraz Kirmani, Mohd Rihan & **Anand Kumar Pandey** (2024) Stochastic Modelling and Integration of Electric Vehicles in the Distribution System Using the Jaya Algorithm, *IETE Journal of Research*, DOI: [10.1080/03772063.2023.2294874](https://doi.org/10.1080/03772063.2023.2294874) (SCI/WoS/Scopus indexed)
4. Rathod Dharmesh Ishwerlal, Reshu Agarwal and **Sujatha, K.S**, “Lung disease classification using chest X ray image: An optimal ensemble of classification with hybrid training “*Biomedical Signal Processing and Control*, Volume 91, May 2024, 105941.
5. Rathod Dharmesh Ishwerlal, Reshu Agarwal and **Sujatha, K.S**, “Improved SegNet with Hybrid Classifier for Lung Cancer Segmentation and Classification”, (IJACSA) *International Journal of Advanced Computer Science and Applications*, Vol. 15, No. 5, 2024
6. Sampath Kumar V, Veerendra Kumar A N, Sanjiba Kumar Bisoyi and J P Pandey “The novel evaluation scheme for Competency Based Learning, authentic assessment and its implementation strategies for universities of higher education” *Journal of Engineering Education Transformations* Year: 2023, Volume: 36, Issue: Special Issue 2, Pages: 225-228 *Journal of Engineering Education Transformations*, 36(Special Issue2).DOI: 10.16920/jeet/2023/v36is2/23032.

Conference Publications :2023

1. Rathod Dharmesh Ishwerlal, Reshu Agarwal and Sujatha, K.S “Radiographic Image Processing Analysis for Lung Infection - A Review”, 2023 International Conference on Computer Communication and Informatics (ICCCI), Jan. 23 – 25, 2023, Coimbatore, INDIA-IEEE Conference
2. **Anand Kumar Pandey**, Arun Kumar Rawat and Bishnu Kant Shukla."Optimal Management of Voltage, Current and State of charge of Li-ion battery pack." *Second International Conference on Innovations in Clean Energy Technologies (ICET-2023)*, Lecture Notes in Electrical Engineering, 2023 (Scopus indexed)
3. Nihal Patel, **Anand Kumar Pandey**, Manish Tripathi and Bishnu Kant Shukla."Design and Simulation of a Small Agri Voltaic System." *Second International Conference on Innovations in Clean Energy Technologies (ICET-2023)*, Lecture Notes in Electrical Engineering, 2023 (Scopus indexed)
4. Bishnu Kant Shukla, **Anand Kumar Pandey**, Ashish Singh, Devesh Singh and Mohd. Anas."A Holistic Review on Energy Efficient Green Buildings Considering Environmental, Economy and Technical Factors." *Second International Conference on Innovations in Clean Energy Technologies (ICET-2023)*, Lecture Notes in Electrical Engineering, 2023 (Scopus indexed)
5. Nitya Singh, Bishnu Kant Shukla and **Anand Kumar Pandey**."A Technological and Environmental Overview on Waste-to-Energy Systems for Effective Municipal Solid Waste Management." *Second International Conference on Innovations in Clean Energy Technologies (ICET-2023)*, Lecture Notes in Electrical Engineering, 2023 (Scopus indexed)

Book Publications: 2023

1. Prashant, Agarwal, N.K., Bisoyi, S.K., Rawat, A.K., Kishore, M.P. (2024). A Strategic Technique for Optimum Placement and Sizing of Distributed Generator in Power System Networks Employing Genetic Algorithm Proceedings of Congress on Control, Robotics, and Mechatronics. CRM 2023. Smart Innovation, Systems and Technologies, vol 364. Springer, Singapore. https://doi.org/10.1007/978-981-99-5180-2_3

Conference Publications: 2022

1. Khan, M. O., Kirmani, S., Rihan, M., and **Pandey, A. K.** Optimal Integration of Electric Vehicle Charging Stations and Distributed Generation in Distribution Network. In 2022 IEEE Students Conference on Engineering and Systems (SCES) (pp. 01-06). IEEE. (2022, July). (Scopus indexed)

Journal Publications: 2022

1. Akhtar, I., Kirmani, S., **Pandey, A. K.**, and Jameel, M “Parameter-based Progressive Alpha Model Method based on Generalized Functions Analysis for Power System Reliability Enhancement Utilizing the Wind Energy System.” IETE Journal of Research (2022): 1-9. (SCI/WoS/Scopus indexed)
2. **Pandey, Anand Kumar**, SheerazKirmani, Ankesh Kumar and IramAkhtar."Allocation of DG in Distribution Network Using Parameter Independent JAYA Algorithm." *Journal of Electrical Engineering & Technology* (2022): 1-18. (SCI/WoS/Scopus indexed)

Conference Publications : 2021

1. Prafulla Raja Nishad, Shikhar Sharma and Dr.K.S.Sujatha K S, “Adaptive Traffic Light Control System”, National Conference on “Smart Energy, VLSI and Embedded Systems” (NCSEVES-2021), JSSATE, Noida Sep,2021.
2. AnushkaJaiswal and Anand Kumar Pandey, “GSM Based Power Theft Detection, Alert and Cut off System” National Conference on “Smart Energy, VLSI and Embedded Systems” (NCSEVES-2021), JSSATE, Noida Sep,2021.
3. Dr. PreetiJaidka, Prakhar Srivastava, Sameer Mishra and TanviKaushik, “Automatic Hand Sanitizer Dispenser And Non-Contact” National Conference on “Smart Energy, VLSI and Embedded Systems” (NCSEVES-2021), JSSATE, Noida Sep,2021.
4. ChaitraYadahalli, Hemant Kumar M H, Meghana B N and Vaibhav Rajput, “Light signal aid Device for Night drivers in Highways” National Conference on “Smart Energy, VLSI and Embedded Systems” (NCSEVES-2021), JSSATE, Noida Sep,2021.

Journal Publications: 2020

1. RiteshkumarRai, Anand Kumar Pandey, AnshuParashar and Sujatha K S, “Allocation of PV unit in distribution network using Analytical method”, International Journal of Recent

Technology and Engineering ISSN:2277-3878, Vol.9(2), pp.1200-1207, July 2020.

2. Anand Kumar Pandey, Sujatha K S and SheerazKirmani, “Minimization of power losses with different types of DGs using CSA”, International Journal of Renewable Energy Research Vol.10(4), pp. 1986-1997, Dec. 2020.
3. Anand Kumar Pandey, Dr. K S Sujatha, “Placement of PV Units Considering Uncertainties of Generation and Load in Distribution Systems”, International Journal of Recent Technology and Engineering, Vol.9(2), pp.102-106, September 2020.
4. M.H. Hemanth Kumar, “GSM Based Prepaid Energy Meter With Theft Control for Domestic Purpose”, International Journal of Engineering Research & Management Technology, Volume 7, Issue-3 May-2020.

Conference Publications : 2020

- 1 Suraj Pal, AabdaKhatoon and Anand Kumar Pandey, “Temperature Impact on Lithium-Ion batteries in Electric Vehicles”, Proceedings of International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems, JSSATE, Noida 25-26 Sept. 2020
2. Anand Kumar Pandey and Sheerazkirmani, “Placement of distributed generator in distribution systems using crow search algorithm”, International Conference on Electrical, Electronics and Computer Engineering (UPCON), AMU, Aligarh10.1109/UPCON47278.2019.8980157;06 February 2020.
3. Sheerazkirmani, Ankesh Kumar and Anand Kumar Pandey, “Optimal location and sizing of DG using exhaustive search approach”, International Conference on Electrical, Electronics and Computer Engineering (UPCON), AMU, Aligarh10.1109/UPCON47278.2019.8980255; 06 February 2020.
4. AmanVardia, Kartik Kumar and Anand Kumar Pandey, “Intelligent Street Lights with Vehicle Detection”, International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems, JSSATE, Noida 25-26 Sept. 2020.
5. Manju J R, “Analytical Review of Machine Learning and Artificial Intelligence across Cyber Security”, Virtual IEEE ICAECC 2020, 01-11-2020, Reva University Bangalore.
6. Alankrit Srivastava, Komal Gupta and LavanyaNidhi Mishra and Ms. Aishwarya G. Patil, “Hybrid Power Generation Using Solar And vertical axis Wind turbine”, International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems, 25-26 Sept. 2020, JSS Noida.

Journal Publications: 2019

1. Anand Kumar Pandey and Sheerazkirmani, “Multi objective optimal location and sizing of hybrid photovoltaic system in distribution system using crow search algorithm”, International Journal of Renewable Energy Research Vol. 9 ,No.4, December 2019
2. Anand Kumar Pandey and Sheerazkirmani, “Optimal location and sizing of hybrid system by analytical crow search optimization algorithm” International Transactions on Electrical Energy Systems <https://doi.org/10.1002/2050-7038.12327> /11 Feb 2020
3. Mr.Manju, “Data Security and Access Control Schemes”, in Clouds Journal of Telecommunication Study Volume 4 Issue 3 Year 2019.
4. Mr.Manju, “Artificial Intelligence Techniques to Fulfill Consumer Power Demand in Smart Grid”, The Mattingley Publishing Co., Inc. Feb-20.
5. Mr.Manju, “Honey Adulteration Detector”, International Journal of Science, Engineering and Management (IJSEM) Vol 4, Issue 10, October 2019.
6. Anand Kumar Pandey and RiteshRai, “Solution for Partial Shading Problem of PV Array in Portable Application”, International journal of Applied Engineering Research, 14/10/26-32/June 2019.

Conference Publications : 2019

- 1 Dr. Gurulingappa M Patil, AbhinavSaxena, Ms. Aishwarya G Patil, “Optimization of Second Order Non-Linear System using Fuzzy Logic Controller”, IEEE International Conference on Computing Electronics & Communication Engineering, London Metropolitan University, UK Aug-19.
- 2 Pramod Kumar, Ashish Srivastava, Meghana BN, “Design and performance of Solar Photovoltaic System and converter using MPPT Techniques”, National Conference on Smart Energy Systems, June 2019, JSSATE,NOIDA.
- 3 Aishwarya G Patil,Yashvi Singh, SaumyaYadav, SaurabhYadav, Deepak Chandr, “Density Based Traffic Control System”, National Conference on Smart Energy Systems, June 2019, JSSATE,NOIDA.
- 4 Aishwarya G Patil, ShivangiChaturvedi, Vinayak Gaur, NishaVikram, Saurav Kumar Singh, “Solar Based Water Quality Management System”, National Conference on Smart Energy Systems, June 2019, JSSATE, NOIDA
- 5 Dr. Gurulingappa M Patil, AbhinavSaxena, Ms. Aishwarya G Patil, “Optimization of

Second Order Non-Linear System using Fuzzy Logic Controller”, IEEE International Conference on Computing Electronics & Communication Engineering-2019, August 2019, London Metropolitan University, UK

- 6 Anand Kumar Pandey, Sheerazkirmani, “Multiobjective optimal location and sizing of solar PV considering time varying nature of solar irradiance and load model in commercial distribution system”, National Conference on Smart Energy Systems, June 2019, JSSATE, NOIDA
- 7 Ankesh Kumar, Anand Kumar Pandey, Sheerazkirmani, “Optimal location and sizing of photovoltaic DG system using direct load flow method”, National Conference on Smart Energy Systems, June 2019, JSSATE, NOIDA.

Journal Publications: 2018

- 1 Anand Kumar Pandey, Ritesh Rai, “Solution for Partial Shading Problem of PV Array in Portable Application”, International journal of Applied Engineering Research, Vol.14(10), pp-26-32, 2019.

Conference Publications : 2018

1. Pramod Kumar, Ashish Srivastava, Meghana BN, “Design and performance of Solar Photovoltaic System and converter using MPPT Techniques”, National Conference on Smart Energy Systems, JSSATEN, Noida.
2. Aishwarya G Patil, Yashvi Singh, Saumya Yadav, Saurabh Yadav, Deepak Chandr, “Density Based Traffic Control System”, National Conference on Smart Energy Systems, JSSATEN, Noida.
3. Aishwarya G Patil, Shivangi Chaturvedi, Vinayak Gaur, Nisha Vikram, Saurav Kumar Singh, “Solar Based Water Quality Management System”, National Conference on Smart Energy Systems, JSSATEN, Noida.
4. Anand Kumar Pandey and Sheeraz Kirmani, “Efficient approach for DG placement and size in medium voltage distribution system”, IEEE International conference on power electronics, Intelligent control and energy system, 10, 2018, DTU, Delhi.