

List of Faculty Publications from EEE Department for the Academic year 2022-2023:

International Journals:

No. of Journal Publications:

- [1]. Pappula Sampath Kumar, "The Effect of Stir-Squeeze Casting Process Parameters on Mechanical Property and Density of Aluminum Matrix Composite" *Advances in Materials Science and Engineering*, vol.2022, ID 3741718, ISSN: 1687-8442, pg.no 1-10, on 12/10/2022.
- [2]. Ch.Hariprasad, N.Kartik, "Bacterial Foraging Optimization Technique for Optimal Reorganization of Radial Distribution Network with inclusion of DG and DSTATCOM" *International Journal of Intelligent systems and Applications in Engineering*, vol.10(4), ISSN: 2147-6799, pg no.658-662, on 20/12/2022.
- [3]. K.Rajendra, N.Karthik, "Grey Wolf Optimizer and Cuckoo Search Algorithm for Electric Power System State Estimation with Load Uncertainty and False Data", *International Journal on Recent and Innovation Trends in Computing and Communication*, Volume: 11, ISSN: 2321-8169, pg.no. 89-93, on 30/12/2022.
- [4]. G.rajesh, N.Karthik, "Power Quality Improvement in Solar Integrated Power Systems Using Fuzzy-Based MMC UPQC", *International Journal of Intelligent Systems And Applications In Engineering*, vol.11, ISSN:2147-6799 ,pg.no. 120-125, on 09/05/2023.
- [5]. M.Suresh, N.Karthik, "Power Loss Minimization in a Radial Distribution Network by Optimal Sizing and Placement of Energy Storage Units", *International Journal on Recent and Innovation Trends in Computing and Communication*, vol.11, ISSN: 2321-8169 pg.no.280-285, on 10/4/2023.
- [6]. K.Rajendra, N. Karthik, "State Estimation for Electric Power System with Load Uncertainty and False Data Using Cuckoo Search Algorithm", *International Journal on Recent and Innovation Trends in Computing and Communication*, vol.no.11, ISSN:2321-8169,pg.no.209-14, on 4/3/2023.
- [7]. M.Suresh, N.Karthik, "Investigation of Power Saving and Optimal Placement of Energy Storage Units in Active Distribution Network with reference to Conservation Voltage Reduction", *International Journal of Intelligent Systems And Applications In Engineering*, vol.no11, ISSN:2147-6799, pg.no 301-306.on 7/5/2023.
- [8]. Ch.Hari Prasad, N.Karthik, "Optimization for Position and Rating of Distributed Generating units using Harris Hawk Optimization Algorithm to Reduce Power Losses", *Journal of Electrical Systems*, vol.no.18, ISSN: 1112-5209, pg.no.205-216, on 12/06/2022.
- [9]. M.Dinesh, K.Ramesh, "Real-Time Monitoring of Smart Meters Based on Blockchain Technology", *IGI Global Book Chapter*, ISBN: 9781668440124, pg.no.1-11, on 7/7/2022.
- [10]. K.Ramesh, "A review on Asexual Reproduction Systems in Plants", *IRJET*, vol.no.5, ISSN: 2581-7795, pg.no. 95-101, on 27/5/2023.
- [11]. K.Ramesh, "Block Chain Technology In Real Life Situations", *IRJMETS*, vol.no.5 , ISSN:2582-5208, pg.no.8088-8093, on.5/5/2023.
- [12]. K.Ramesh, "Renal Disease Treatment Procedure Under Various Stages of Disease", *International Journal of Research Publication and Reviews*, vol.no.4, ISSN: 2582-7421, pg.no.3174-3178, on 8/5/2023.

- [13]. Ch.Hari Prasad, N.Karthik, "*Cuckoo Search Optimization Algorithm for DG and DSTATCOM Optimal Allocation in Radial Distribution System*", Computer Integrated Manufacturing Systems, vol.no.12, ISSN:1006-5911, pg.no.955-960, on 13/12/2022.
- [14]. J.Ravindra,,N.Balakrishna, P.Karimulla"*Smart Mirror Through Facial Recognition With Real-Time, Date And Time, weather forecast*", International Journal of Current Research, vol.no15, ISSN: 0975-833X, pg.no.24897-24905 , on 24/06/2023.
- [15]. G.Sai Gowtham, B.Vijay Krishna, "*Environmental Feasibility Survey of Solar Photovoltaic Cells*" , International Conference on Artificial Intelligence for Smart Community vol.no.758, pp.13–24, No; 10.1007/978-981-16-2183-3_2, on 14/11/2022.
- [16]. G.Ravikumar, "*Fault analysis of microgrid with grid connected and islanded mode using IOT wavelet approach*",JES, vol.no19 .ISSN: 11125209, pg.no.13-26, on 1/1/2023.
- [17]. G.Ravikumar, "*Machine learning assessment of IOT managed microgrid protection in existence of SVC using wavelet methodology*", AIMS Electronics and Electrical Engineering, vol.no19 .ISSN: 2643-1092, pg.no.370-381, on 30/9/2022.
- [18]. M.Naggeandra, "*Performance Enhancement of Combined LFC and AVR System with the Integration of HVDC Line*",IEEE IAS Global Conference on Renewable Energy and Hydrogen Technologies, vol.no.1, ISSN: 979-8-3503-3211-7, pg.no.1-9, on 07/04/2023.
- [19]. M.Suresh Babu, N.Karthik, "*Optimization of Energy Storage Unit Size and Location in a Radial Distribution Network to Minimize Power Loss Using Firefly Algorithm*",Journal of Advanced Research in Applied Sciences and Engineering Technology, vol. 31, no. 3, ISSN (Online): 2462 - 1943 pp. 25–42, Aug. 2023.

No. of Conference Proceedings:

- [1]. Mr. Ch. Hari Prasad and Dr. N. Karthik,"*Optimum restructuring of Radial Distribution Network with Integration of DG and DSTATCOM using Artificial Fish Swarm Optimization Technique*" IEEE 2nd International conference organised by Gokaraju Rangaraju Institute of Engineering and Technology during 4th – 6th August 2022.
- [2]. Mr. Sai Goutham Golive, J.Ravindra, "*Optimal placement of DG in the distribution system considering electric vehicle charging station*" International conference on Innovations in Engineering and Technology at JNTU, Hyderabad during September 15-17,2022.
- [3]. G.Anil, "*Voltage Quality Improvement and Power Management of Islanded AC Microgrids with Variable Loads and Sources*", 2022 IEEE 19th India Council International Conference (INDICON) DOI: 10.1109/INDICON56171.2022 24-26 Nov. 2022, pg.no. 1-9, on 16/2/2023.
- [4]. J.Pardhasaradhi, K.Kamala Devi, "*Wavelet-based Power quality assessment for a STATCOM connected wind energy system*", International conference,NEC-JNTUK, on 10/06/2023.
- [5]. K.Ramesh, "*Monitoring of smart meter based on blockchain technology*", 3rd International conference on recent trends in power systems and power electronics, on 10/6/2023.