

List of Faculty Publications from EEE Department

For the Academic year 2019-2020

International Journals:

1. N.Chaitanya, **Dr.K.ChandraSekhar** “Performance Analysis of a Grid Tied PV System” International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol-8, Issue-8, ISSN: 2278-3075, June-2019. (**Scopus Indexed**)
2. Mudadla. Venkatesh, **K Chandra Sekhar**, “A Heuristic Controller for AC Circulating Current components elimination in Modular Multilevel Converter” International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8, issue-8, June, 2019, pp. 1912-1918, ISSN: 2278-3075. (**Scopus Indexed**)
3. V.Dega.Rajaji, **Dr.K.ChandraSekhar**,“Mitigation of Voltage Sag, Swell In Hybrid Power System Using DSTATCOM”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) (**Scopus Journal**) ISSN: 2278-3075, Volume-8 Issue-8 June, 2019, pp.1570-1581.
4. V.Dega.Rajaji, **Dr.K.ChandraSekhar**,“Power Applications For Fuel- Cell Using Switching Regulators”, Indonesian Journal Of Electrical Engineering And Computer Science(IJECS) (**Scopus Journal**) of ISSN No: 2502-4752, vol 15 No.1 July 2019, pp 71-79.
5. E. Aswani Kumar, RayapudiSrinivasaRao,**K Chandra Sekhar**, “Simplified model predictive control of a three-phase T-type NPC inverter.” IET Power Electronics, Volume12, Issue.8, July 2019, pp.1917–1930 DOI:10.1049/iet-pel.2018.5673, Print ISSN 1755-4535, OnlineISSN 1755-4543.
6. M. Nagaiah, **Dr. K. Chandra Sekhar**, A Journal on “An Effective Battery Energy Management System in Hybrid Solar/Wind System Using ANFIS Controlled Bi-Directional DC-DC Converter” International Journal of Recent Technology and Engineering (IJRTE), **Elsevier Scopus**, ISSN: 2277-3878, Volume 8, Issue 4, November-2019.
7. E. Aswani Kumar, **K Chandra Sekhar**,RayapudiSrinivasaRao,“Refined Model Predictive Control of Back-to-back 3L-NPC Converter Interfacing a PMSG Based WECS with Grid for Blocking High Jumps in Voltages”Recent Advances in Electrical & Electronic Engineering (Formerly Recent Patents on Electrical & Electronic Engineering), Volume 13, Number 1, 2020, pp. 43-51(9),Publication date: February 1, 2020.
8. **M. Venkatesh, K Chandra Sekhar**, “Control and minimization of circulating harmonic current component using sliding mode control in modular multilevel converter ” Journal of Advanced Research in Dynamical and Control Systems-JARDCS, Volume 12, Special issue1, 2020, pp.962-969, DOI: 10.5373/JARDCS/V12SP1/20201147, March, 2020. (**Scopus Indexed**)
9. Shaik Mohammad Tayyab, **K Chandra Sekhar**, “A modern technique for PD detection & mitigation in GIS ” Journal of Advanced Research in Dynamical and Control Systems-JARDCS, Volume 12, issue2, 2020, pp. 2008-2014, DOI: 10.5373/JARDCS/V12I2/S20201246, April, 2020. (**Scopus Indexed**)
10. M. Nagaiah, **Dr. K. Chandra Sekhar** , A Journal on “Analysis of Fuzzy Logic Controller Based Bi-Directional DC-DC Converter for Battery Energy Management in Hybrid Solar/Wind Micro Grid System” International Journal of Electrical and Computer Engineering (IJECE), ISSN: 2088-8708, Vol 10, No 3, June 2020 (PART-I).

11. **Ponnam Venkata K Babu, Dr. K. Swarnasri**, “Novel Technique for Optimal Placement and Sizing of DG in 3-Phase Unbalanced Radial Secondary Distribution System”, International Journal of Innovative Technology and Exploring Engineering, Vol. 09, Issue 4, February, 2020. **(Scopus Indexed)**
12. **Ponnam Venkata K. Babu, Dr. K. Swarnasri**, “Multi-Objective Optimal Allocation of Electric Vehicle Charging Stations in Radial Distribution System Using Teaching Learning Based Optimization”, International Journal of Renewable Energy Research, Vol. 10, No 1, March, 2020. **(Scopus Indexed)**
13. **Ponnam Venkata K. Babu, Dr. K. Swarnasri**, “Multi-Objective Optimal Allocation of Electric Vehicle Charging Stations and Distributed Generators in Radial Distribution Systems using Metaheuristic Optimization Algorithms”, Engineering, Technology & Applied Science Research, Vol. 10, No 3, June, 2020.
14. M.Chiranjivi, **Dr. K. Swarna Sri**, “A Review On D Statcom, Dvr (Dynamic Voltage Restorer) And Upqc For Compensating Power Quality Issues”, International Journal of Grid and Distributed Computing Vol. 13, No. 1, (2020), pp. 1168 – 1175.
15. **K. Radha Rani, N. Chaitanya**, entitled ‘Voltage Stability Enhancement with Optimal Placement of IPFC’ International Journal of Recent Technology and Engineering(IJRTE), Vol.8, Issue.4, Nov.2019, ISSN: 2277-3878, pp.9465-9471. **(Scopus Indexed)**
16. **Dr.N.C.Kotaiah**, D.Satya Ravi sarma,"Improvement of Power Quality Using Unified Power Quality Conditioner at Non-Linear Load" in International Journal of Research,ISSN No;2236-6124, Vol VIII, issue VI, June-2019 pg no:1403-1408.
17. Jayaraju, Gaddala; **Gudapati Sambasiva Rao** “A New Optimized ANN Algorithm Based Single Phase Grid Connected PV-Wind System Using Single Switch High Gain DC-DC Converter” European Journal of Electrical Engineering, Vol. 21(August 2019),Page 373-381 .<https://doi.org/10.18280/ejee.210405>, ISSN: 2103-3641 (print); 2116-7109 (online), **SCOPUS INDEXED**
18. Sriramulu Naik Mudhavath, **Gudapati Sambasiva Rao**, “ Control of Modular Multilevel Converter Fed 3-Phase Induction Motor using DTC with PI Controller”, International Journal of Innovative Technology and Exploring Engineering, DOI: 10.35940/ijitee.C8591.019320, ISSN: 2278-3075, Volume-9 Issue-3, January 2020, Page No. 3451-3456, **SCOPUS indexed**.
19. G. V. V. Nagaraju, **Sambasivarao Gudapati** " Three phase PUC5 inverter fed induction motor for renewable energy applications" International Journal of Power Electronics and Drive System (IJPEDS), Vol. 11, No. 1, March 2020, pp. 1-9, ISSN: 2088-8694, **SCOPUS indexed**.
20. Sriramulu Naik Mudhavath, **Dr. Gudapati Sambasiva Rao**, “Speed and Flux Control of 3-Phase Induction Motor with MMC Topology by Using DTC Technique”, Journal of Advanced Research in Dynamical & Control Systems, Vol. 11, 07-Special Issue, July 2019, ISSN 1943-023X, Pages: 757-765, **SCOPUS indexed**.
21. Sriramulu Naik Mudhavath, **Dr. Gudapati Sambasiva Rao**, ” Performance comparison of 5-level modular multilevel converter fed 3-phase induction motor with direct torque control using PI and fuzzy logic controller”, Journal of Advanced Research in Dynamical & Control Systems, DOI: 10.5373/JARDCS/V12I2/S202012554, Vol. 12, Issue-02, May 2020, ISSN 1943-023X, Pages: 2084-2095, **SCOPUS indexed**.
22. Mr.Sriramulu Naik Mudhavath, **Dr.Gudapati Sambasiva Rao**, “Direct Torque Control of MMC fed 3-Phase Induction Motor Using Fuzzy Logic Controller”, International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29, No. 6, May 2020, pp. 2113–2121, **SCOPUS indexed**.

23. Sriramulu Naik Mudhavath, **Gudapati Sambasiva Rao**, “ DTC of 3-Level NPC Inverter and MMC Fed 3-Phase Induction Motor”, International Journal of Innovative Technology and Exploring Engineering, DOI: 10.35940/ijitee.G4977.059720 , ISSN: 2278-3075, Volume-9 Issue-7, May 2020, Page No. 1156-1160, **SCOPUS indexed**.
24. CH.Naga Sai Kalyan, **Gudapati Sambasiva Rao**, “Automatic Generation Control of Multi-Area Hybrid System Considering Communication Time Delays" Journal of Advanced Research in Dynamical & Control Systems, DOI: 10.5373/JARDCS/V12I2/S202012553, Vol. 12, Issue-02, May 2020, ISSN 1943-023X, Pages: 2071-2083, **SCOPUS indexed**.
25. **RamaKoteswara Rao A.**, N.Lekya Sri “Intelligent Control Design For Load Frequency Control of Multi Area Interconnected Hybrid Power System”, International Journal of Management, Technology And Engineering, Vol. 9, No.6 pp. 591-600, June 2019, ISSN NO: 2249-7455. (UGC Listed).
26. **RamaKoteswara Rao A.**, Lekyasri N., Rajani K., “PID Control Design for Second Order Systems”, International Journal of Engineering and Manufacturing(IJEM), Vol.9, No.4, pp.45-56, July 2019,ISSN: 2305-3631.
27. M.Ratnavali, **N.Chaitanya.**, “novel sliding-mode control (smc) for dispatchable electronically-coupled distributed energy resource”, International Journal of Research , Volume VIII, Issue VI, JUNE/2019, pp. 5129-5140, ISSN NO:2236-6124.
28. **Ravindranath Tagore Yadlapalli**, Rajanand Patnaik Narasipuram, Anuradha Kotapati, ‘An overview of energy efficient solid state LED driver topologies’ Int J Energy Research, 2020;44:pp 612-630. (**SCIE & Scopus Indexed**)
29. **Ravindranath Tagore Yadlapalli**, Rajanand Patnaik Narasipuram, Anusha Dodda, ‘Development of fuzzy controller for improved interline unified power quality conditioner’, Int. J. Innovative Computing and Applications, Vol.10, No. 2, 2019, ISSN:1751-6498, pp 86-99. (**Scopus Indexed**)
30. **Yadlapalli Ravindranath Tagore**, Anuradha Kotapati, Rajani Kandipati, ‘Performance analysis of quadratic buck converter for electric vehicle battery charging applications’, Int. J. Electric and Hybrid Vehicles, Vol. 11, No. 4, 2019, ISSN:1751-4096, pp 346-357. (**Scopus Indexed**)
31. **Yadlapalli, R.T.**, Kotapati, A.: Modeling, Design and Implementation of Quadratic Buck Converter for low power applications. Int. J. Power Electronics, Vol. 11, No. 3, 2020, pp. 322-338.
32. **Yadlapalli, R.T.**, Kotapati, A.: Implementation of fuzzy logic controller-based quadratic buck converter for LED lamp driver applications, Int. J. Innovative Computing and Applications, Vol. 11, Nos. 2/3, 2020, pp. 159-166.
33. **Dr.G.V.Prasanna Anjaneyulu**, Hothri Ravikindi, Sk. Johny Begam, P.Bramarambavathi, K. Chandrika, T.Venkatesh, ‘Output Voltage & Current ripples comparative analysis in two bus system with boost converters fed UPQC and reduction studies’, International Journal of Engineering and Advanced Technology (IJEAT), Vol.8, Issue.6S3, ISSN: 2249-8958, September 2019, pp 855-859. (**Scopus Indexed**)
34. **Y.Suri Babu; Dr.K.Chandra Sekhar**, 'V/F based Multi-Phase Induction Motor Drive For PV Powered Boat Applications', International Journal of Innovative Technology and Exploring Engineering, 8, 9, July, 2019, 2591-259, ISSN: 2278-307, (**Scopus Indexed**).
35. **M. Anitha**, Dr.T.R. Jyothsna, "Power Quality Improvement in DG System using BOA based Interlined Unified Power Quality Conditioner", International Journal of Engineering and Advanced Technology (IJEAT), Volume 9, Issue-2, 2019/12, ISSN: 2249 - 8958, (**Scopus Indexed**).

36. **M. Anitha**, Dr.T.R. Jyothsna , "Power Quality Enhancement in Distribution Systems using LOA Involves IUPQC", IJAST, Vol. 29, No. 03, (2020), pp. 5219-5236, ISSN: 2005-4238, (**Scopus Indexed**).
37. **T Pidikiti**, T Ram Das G, "Analysis and Performance Evaluation of DFIG and PMSG Based Wind Energy Systems", International Journal of Computing and Digital Systems 8 (6), Nov 2019, page: 557-563, ISSN (2210-142X)(Scopus Indexed).

International Conferences:

- 1) **Ponnam Venkata K Babu, Dr. K. Swarnasri**, “ Adaptive PSO Technique for Optimal Placement and Sizing of DG in 3-Phase Unbalanced Radial Secondary Distribution System” is of IEEE International Conference on Intelligent Systems and Green Technology (ICISGT), during 29th & 30th June 2019. [IEEE Explore]
- 2) **Ponnam Venkata K Babu, Dr. K. Swarnasri** presented a paper title “Novel Technique for Optimal Placement and Sizing of DG in 3-Phase Unbalanced Radial Secondary Distribution System” in International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-2020) held during 8th – 10th Jan-2020.
- 3) N.K.Muthukuri and **R.Tagore Yadlapalli**, “Comparision of carrier based PWM technique for Active Neutral Point Clamping Multilevel Inverter,” 4th International conference on intelligent computing and control systems (ICICCS), Madurai, India, 2020, pp.1288-1292.
- 4) **Dr.G.V.Prasanna Anjaneyulu**, Hothri Ravikindi, Sk. Johny Begam, P.Bramarambavathi, K. Chandrika, T.Venkatesh, ‘Output Voltage & Current ripples comparative analysis in two bus system with boost converters fed UPQC and reduction studies’, International Conference on “Innovations in Power, Energy and Intelligent Control Systems” (IPEICS-19) Organized by VFSTR, Vadlamudi, Guntur, A.P, India, during 8th -9th August 2019.
- 5) **M.Anitha**, Dr.T.R.Jyothsna, "Review of dual upqc for power quality improvement with different control techniques", Velagapudi ramakrishna siddhartha engineering college, 8TH -10TH JANUARY, 2020, ICSESEV-2020
- 6) **M.Anitha**, A Control Scheme for Dual Unified Power Quality Conditioner to Improve Power Quality in Distribution System" ANDHRA UNIVERSITY, 14TH&15TH , FEBRUARY, NCECE-2020.