**Geethanjali College of Engineering and Technology**

**Department of Electrical and Electronics Engineering**

**Annexure-16**

**Faculty Research Publications**

AY 2020-2021

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| S. No | Title of the Research Paper | Authors Details | Name of Journal/ Conference | Status, Year  & Month Published |
| 1. | Reverse harmonic load flow analysis using an evolutionary technique | Dr. Harish Pulluri  (Assoc., Prof. EEE, GCET, HYD)  Dr. B. Vedik  (Assoc., Prof. EEE, SREC, WL) | SN Applied Sciences (ESCI Indexed) | Vol. 2(9). Aug. 2020 |
| 2. | Effective Utilization of Battery Banks in PV Based Novel Inverter Operated Induction Motor Drives. | Ms. Hima Bindu  (Asst., Prof. EEE, GCET, HYD) | Asian Journal of Convergence in Technology | Vol.VI issue ; 1 Aug 2020 |
| 3. | Challenges of RES with Integration of Power Grids, Control Strategies and Optimization Techniques of Micro grids. | Ms. HimaBindu  (Asst., Prof. EEE, GCET, HYD) | International Journal of Renewable Energy Research (Web of Science  (ESCI), Scopus Indexed) | Vol.11, No.1, March, 2021 |

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| AY 2019-20 | | | | |
| **S. No** | **Title of the Research Paper** | **Authors Details** | **Name of Journal/ Conference** | **Status, Year & Month Published** |
| 1 | Automatic Power Factor Correction Using Arduino | Mr. S. Poorna Chander  (Asst., Prof., EEE, GCET, HYD)  B. Pavan Kalyan, CH.Vijay, D.Bharath Reddy  (UG Scholars, EEE, GCET, HYD) | International Journal of Emerging Technologies and Innovative Research  (UGC Approved) | Vol. 7(6). June 2020 |
| 2 | Substation Surveillance Using Quadcopter | Mr. M. Prashanth Kumar  (Asst., Prof., EEE, GCET, HYD)  Shusmita Singh, Roja, Goutham Reddy  (UG Scholars, EEE, GCET, HYD) | Science and Technology Development(UGC Care) | Vol. 9(6), pp. 137-141, June 2020. |
| 3 | Solar Energy Measurement System | Ms. V. Padmaja  (Asst., Prof., EEE, GCET, HYD  M.Bharath Kumar, N. Swapna, KG Sravan  (UG Scholars, EEE, GCET, HYD) | Journal of Emerging Technologies and Innovative Research  (UGC Approved) | Vol. 7(5) May-2020. |
| 4 | ORNITHOPTER | Mr. A. Raghu Rama Chandra  (Asst., Prof., EEE, GCET, HYD)  M. Rishikesh, S. Sai Teja, V. Vishal Kumar  (UG Scholars, EEE, GCET, HYD) | Journal of Emerging Technologies and Innovative Research  (UGC Approved) | Vol. 7(5) May-2020. |
| 5 | Prototype of Fuel less Electromagnetic Train | Mr. K. Mahender  (Assoc., Prof., EEE, GCET, HYD)  B.Surya, B. Rajeshwari, K .Dinesh Kumar  (UG Scholars, EEE, GCET, HYD) | Journal of Emerging Technologies and Innovative Research  (UGC Approved) | Vol. 7(5) May-2020. |
| 6 | Booklet Counting Machine | Mr. M. Gouse Basha  (Asst., Prof., EEE, GCET, HYD)  A.Ramya, B.Madhuri, B.Prem Sagar  (UG Scholars, EEE, GCET, HYD) | International Journal of Engineering Development and Research  (UGC Approved) | May 2020 |
| 7 | Single Axis Solar Panel Tracker And Power Optimization Using PIC Micro-Controller | Mr. M. Gouse Basha  (Asst., Prof., EEE, GCET, HYD)  P.Preethi, Pooja Choudhary, K.Dheemanth,  (UG Scholars, EEE, GCET, HYD) | Journal of Emerging Technologies and Innovative Research  (UGC Approved) | May 2020 |
| 8 | A Smart Street Lighting System Using Solar Energy | Mr. K. Nagaraju  (Asst., Prof., EEE, GCET, HYD)  B.Niharika, K.sahithi,  K.Sai Teja  (UG Scholars, EEE, GCET, HYD) | Journal of Emerging Technologies and Innovative Research  (UGC Approved) | Vol 7(5), May 2020 |
| 9 | Colliding Bodies Optimization Algorithm for Solution of Economic Dispatch with Valve-Point Loading effect | Ms. Manjul Khare  (Asst., Prof., EEE, GCET, HYD)  M. Kavya, E. Deepthi,  D.Peeravali,  (UG Scholars, EEE, GCET, HYD) | Journal of Emerging Technologies and Innovative Research  (UGC Approved) | Vol 7(5), May 2020 |
| 10 | Vehicle Tracking And Locking Using GSM And GPS Modules | Dr. Radhika Dora  (Prof., EEE, GCET, HYD)  K. Varshika, D. Shirisha,  P. Shanthiraj  (UG Scholars, EEE, GCET, HYD) | Journal of Emerging Technologies and Innovative Research  (UGC Approved) | Vol 7(9), May 2020 |
| 11 | Alcohol Detection and Automatic Engine Locking System | Mr. V. Rakesh  (Asst., Prof., EEE, GCET, HYD)  D. Sai Kumar Reddy,  K. Pravalika, K. Raghu  (UG Scholars, EEE, GCET, HYD) | Journal of Emerging Technologies and Innovative Research  (UGC Approved) | Vol 7(5), May 2020 |
| 12 | Genetic algorithm with multi parent crossover Solution for Economic Dispatch with Valve Point Loading Effects | Shradha, Sai Priya, Vyshnavi  (UG Scholars, EEE, GCET, HYD)  Dr. Harish Pulluri  (Assoc., Prof. EEE, GCET, HYD) | Innovations in Electrical and Electronics Engineering Journal  (Scopus Indexed) | Vol. 626, March 2020 |
| 13 | The Application of Genetic Algorithm with Multi-Parent Crossover to Optimal Power Flow Problem | Dr. Harish Pulluri  (Assoc., Prof. EEE, GCET, HYD)  Mr. T. Srihari  (Asst., Prof., EEE, GNITS, HYD) | Innovations in Electrical and Electronics Engineering Journal  (Scopus Indexed) | Vol. 626, March 2020 |
| 14 | Design of a Multilevel Inverter on power system performance using interline power flow controller | Ms. V. Padmaja  (Asst., Prof., EEE, GCET, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 15 | Diesel Generator and SOFC Fuel Cell Based Hybrid Energy System | Ms. Manjul Khare  (Asst., Prof., EEE, GCET, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 16 | Additive Manufacturing for VADs and TAHs- A Review | Dr. Anil Puppala  ( Prof., EEE, GCET, HYD)  Mr. G. Srikanth  (Assoc., Prof. EEE, GCET, HYD)  Dr. S. Venkateshwarlu  (Prof., EEE, CVRCE, HYD) | Journal of Physics: Conference Series | Conf. Ser. 1495 012021 |
| 17 | Solution of Optimal Power Flow Problem Using Colliding Bodies Optimization | Mr. K. Mahender  (Assoc., Prof. EEE, GCET, HYD)  Dr. Harish Pulluri  (Assoc., Prof. EEE, GCET, HYD)  Ms. M. Vyshnavi  (UG Scholar, EEE, GCET, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 18 | Induction Motor Design Analysis for Electric Vehicle Application | Mr. NV Bharadwaj  (Assoc., Prof., EEE, GCET, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 19 | A Consecutive Parameter Extraction Technique for IGBT Compact Model | Mr. NV Bharadwaj  (Assoc., Prof., EEE, GCET, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 20 | Investigation on Doping for Maximum Power Extraction from a Solar Cell | Mr. Gouse Basha  (Asst., Prof., EEE, GCET, HYD)  Dr. Radhika Dora  (Prof., EEE, GCET, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 21 | Impact of Deregulated Power System Market In Congestion Management Of A Transmission Line- A Conceptual Approach | Ms. T. Pooja Rani  (Asst., Prof., EEE, GCET, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 22 | Computational and Experimental Analysis Of LiFePO4/C Cathode Material For Lithium Ion Battery Applications. | Dr. M. Aruna Bharathi  ( Prof., EEE, GCET, HYD)  Ms. V. Subhashini,  (Research Scholar, JNTUH, HYD)  Dr. M. Sushama,  (Prof., , JNTUH, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 23 | Synthesis And Characterization of LiMn1.5Ni0.5O4By SolGel Method for Cathode Material & It’s Application In Li Ion Battery | Dr. M. Aruna Bharathi  ( Prof., EEE, GCET)  Ms. V. Subhashini,  (Research Scholar, JNTUH, HYD)  Dr. M. Sushama,  (Prof., , JNTUH, HYD) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 24 | . Design and Analysis of Grading High Plate Type Spacer in a Single Phase Gas Insulated Bus duct for reduction of electric field stress. | Dr. M. Aruna Bharathi  ( Prof., EEE, GCET, HYD)  Dr. G. V. Nagesh Kumar  (Prof., , JNTUA, Anantapur) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 25 | Field Stress Control of a Post Type Grading Low Insulating Spacer with Functionally Graded Material in a Gas Insulated Bus duct. | Dr. M. Aruna Bharathi  ( Prof., EEE, GCET, HYD)  Dr. G. V. Nagesh Kumar  (Prof., , JNTUA, Anantapur) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 26 | Insulation Integrity of Grading High Insulating Spacer with Functionally Graded Material in a Gas Insulated Bus duct. | Dr. M. Aruna Bharathi  ( Prof., EEE, GCET)  Dr. G. V. Nagesh Kumar  (Prof., JNTUA, Anantapur) | International Conference on Multifunctional Materials (ICMM-2019) | AIP Conf. Proc. 2269(Scopus Indexed) |
| 27 | Deep Convolution Neural Network in Smart Assistant for Blinds. | Dr. Aruna Bharathi  (Prof., EEE, GCET, HYD)  Ms. Rashmi Kapoor  (Assoc. Professor, VNRVJIT, HYD)Dr. M.Sushama  (Prof. JNTUH, HYD) | IEEE X-Plore digital library, IEEE Region 10 Conference (TENCON), Kochi, India | Oct., 2019  pp. 1697-1701.  (Scopus Indexed) |
| 28 | Low Cost Smart Refrigerator | Dr. B. Madhuri  (Assoc., Prof., EEE, GCET, HYD) | IEEE X-Plore digital library, IEEE Region 10 Conference (TENCON), Kochi, India | Oct., 2019(Scopus Indexed) |
| 29 | Electrical Drive System Modeling for Real Time Digital Simulation Applications | Mr. G. Srikanth  (Assoc., Prof., EEE, GCET, HYD)  Mr. G. Madhusan Rao  (Prof., EEE, VJIT, HYD) | International Journal of Recent Technology and Engineering | Vol. 8(2), July 2019 (Scopus Indexed) |
| 30 | Modular Current Topology of Seven and Fifteen Level CSI with Reduced Count | Mrs. E HimaBindu  (Asst., Prof., EEE, GCET, HYD) | International Journal of Innovative Technology and Exploring Engineering | Vol. 8, June 2019 (Scopus Indexed) |

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| AY 2018-19 | | | | |
| S.No | Title of the Research Paper | Authors Details | Name of Journal/ Conference | Status, Year & Month Published |
| 1 | Krill Herd Algorithm for Solution of Economic Dispatch with Valve Point Loading Effect | Dr. Harish Pulluri,  (Assoc., Prof., EEE, GCET, HYD)  Dr. Preeti  (Asst., Prof., EEE, NITD, Delhi) | Lecture Notes in Electrical Engineering  (Scopus Indexed) | Vol., 553,  April, 2019 |
| 2 | Performance analysis of classical controller tuned using heuristic approaches for frequency regulation | Dr. Harish Pulluri,  (Assoc., Prof., EEE, GCET, HYD)  Dr. Mohan Rao  (PDF scholar, University of Quebec, Canada) | Lecture Notes in Electrical Engineering  (Scopus Indexed) | Vol., 553,  April, 2019 |
| 3 | Smart Grid Operation Using Hybrid Renewable Sources | Mr. S. Poorna Chander Rao  (Asst., Prof., GCET, HYD)  R. Varsha, A. Shiva,  E. Pranay  (UG Scholars, EEE, GCET, HYD) | International Journal of Research in Electronics and Computer Engineering  (UGC Approved) | Vol., 7(2)  April2019 |
| 4 | Energy Monitoring using IoT base Smart Energy Meter | Mrs. V. Sathya  (Asst., Prof., EEE, GCET, HYD)  V. Ramesh, B. Manish, K. Anil  (UG Scholars, EEE, GCET, HYD) | Universal Review  (UGC Approved) | Vol., 8, (4)  April, 2019 |
| 5 | Intensification of power dynamics using TCSC based hybrid series capacitive compensation | Mr. K. Naga Raju  (Asst., Prof., EEE, GCET, HYD)  G Bhargava, KH Puja,  M Hemanth  (UG Scholars, EEE, GCET, HYD) | Journal of Engineering Technologies and innovative research  (UGC Approved) | Vol., 6(4), April 2019 |
| 6 | Microprocessor Based Fire Protection System in Train | Dr. Anil  (Prof., EEE, GCET, HYD)  N Sai Kumar, Nainika sharma, A Koushika  (UG Scholars, EEE, GCET, HYD) | Journal of Engineering Technologies and innovative research  (UGC Approved) | April, 2019 |
| 7 | Automatic Plant Watering System | Ms. Manjul Khare  (Asst., Prof., EEE, GCET, HYD)  V Swathi, M Vijay, K Murali  (UG Scholars , EEE, GCET, HYD) | International Journal of Emerging Technologies  (UGC Approved) | April, 2019 |
| 8 | Hybrid Smart Shoe | Mr. K Mahender  (Assoc., Prof., EEE, GCET, HYD)  Bhargavi, Shanmuka,  (UG Scholars , EEE, GCET, HYD) | IJMTE Journal  (UGC Approved) | Vol., 9(4), April, 2019 |
| 9 | Design and Operation of Battle Tank Using Arduino Controlled BLDC Motors | Mr. M. Prashanth  (Asst., Prof., EEE, GCET, HYD)  Madhuri, Samantha  (UG Scholars, EEE, GCET, HYD) | Universal Review  (UGC Approved) | Vol., 8(4), April 2019 |
| 10 | Synthesis and characterization of soft magnetic nanomaterial for transformer core  application | Dr. M. Aruna Bharathi  (Prof., EEE, GCET)  G. Naga Sri Varsha. Sneha,  (UG Scholars, EEE, GCET, HYD) | International Journal of Management Technology and Engineering  (UGC Approved) | Vol., 4(9)  April 2019 |
| 11 | Automatic Change over switch | Mrs. V. Padmaja  (Asst., Prof., EEE, GCET, HYD)  Nischala B. N, P. V. Venkat Sai  (UG Scholars , EEE, GCET, HYD) | International Journal of Management, Technology And Engineering  (UGC Approved) | Vol., 9(4), April, 2019 |
| 12 | PI Controller Based DSTATCOM in Distribution Enhancement | Mr. M Pradeep  (Asst., Prof., EEE, GCET, HYD)  Kalyani, Balaji  (UG Scholars, EEE, GCET, HYD) | International Journal of Research  (UGC Approved) | Vol, 8(4)  April, 2019 |
| 13 | Composition of voltage charging techniques to increase the life of lead acid batteries | Dr. B. Madhuri  (Assoc., Prof., EEE, GCET, HYD) | IEEE International Symposium of smart electronics systems, At Mahendra Ecole Centre | 17th – 19th, Dec., 2018 |
| 14 | Synthesis of nanostructured LiMn1.5Cu0.5O4 using CAM microwave assisted sol-gel method for Li-ion battery cathode in BEES system | Dr. Aruna Bharathi  (Prof., EEE, GCET, HYD)  Dr. R. S. Raju  (Prof, ECE, GCET, HYD) | 2nd International Conference on Nano Science & Engg. Appl., (ICONSEA – 2018 ) | 4th, Oct., 2018 |
| 15 | Synthesis And Characterization Of LiMn1.5Ni0.5o4 by Sol-Gel Method for Cathode Material & It’s Application In Li-Ion Battery | Dr. Aruna Bharathi  (Prof., EEE, GCET, HYD)  Ms. V.Subhashini  (Research Scholar, JNTUH, HYD)  Dr.M.Sushama  (Prof., EED, JNTUH, HYD) | 2nd International Conference on Nano Science & Engg. Appl., 2018 Accepted and  (ICONSEA – 2018 ) | 4th, Oct., 2018 |
| 16 | Nano Scaled LIB/STATCOM for power quality improvement in a grid interconnected RES | Dr. Aruna Bharathi  (Prof., EEE, GCET, HYD)  Mr. K. Sainadh Singh  (Asst., Prof., EEE, BVRIT, HYD) | International Journal of Current Engineering and Scientific Research  (UGC Approved) | Vol. 5(4),  Aug., 2018 |
| 17 | A review of FACTS controller based total transmission capability computation of a deregulated power system | Ms. Pooja Rani T  (Asst. Prof., EEE, GCET, HYD)  Dr. Manjula Mane  (Prof., EED, OU, HYD)  Dr. P. V. Balasubrahmanyam  (Prof., EED, CBIT, HYD) | International Journal of Management Technology and Engineering  (UGC Approved) | Vol. 8(8),  Aug., 2018 |
| 18 | Power generation from piezoelectric materials | Ms.Azra zaineb  (Asst., Prof., EEE, GCET, HYD)  K.Sumanth, l. Hemendra Barath,s. Piyush balaji  (UG Scholars, EEE, GCET, HYD) | International Journal of Management Technology and Engineering  (UGC Approved) | Vol. 8(6),  Aug., 2018 |

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| AY 2017-18 | | | | |
| S.No | Title of the Research Paper | Authors Details | Name of Journal/ Conference | Year & Month Published |
| 1 | VSI Based D-STATCOM in a Distributed Power System for Enhancement of Power Quality | Mr. M. Pradeep  (Asst., Prof., EEE, GCET, HYD)  B. Naveen Kumar  (UG Student, EEE, GCET, HYD) | International Journal of Current Engineering And Scientific Research (IJCESR) | March, 2018 |
| 2 | Damping of power system oscillations using SVC and STACTOM | Dr. Harish Pulluri  (Assoc., Prof., EEE, GCET, HYD)  B. Madhu  (Asst., Prof., EEE, ACE, HYD) | International Journal of Current Engineering And Scientific Research (IJCESR) | March, 2018 |
| 3 | Nano scaled LIB/STATCOM for power quality improvement in grid interconnected RES | Dr. M. Aruna Bharathi  (Prof, EEE, GCET, HYD)  Mr. K Sainadh Singh  (Asst., Prof., EEE, BVRIT, Narsapur) | International Journal of Current Engineering And Scientific Research (IJCESR) | March, 2018 |
| 4 | Synthesis, Characterization and DFT Studies of Nano Scaled Lithium Ion Battery Materials for Renewable Energy Sources | Dr. M. Aruna Bharathi,  (Prof, EEE, GCET, HYD)  Dr. R. S. Raju  (Prof, ECE, GCET, HYD)  K. Venkateshwar rao  (Center for Nano Science and Technology, IST) | International Conference on Nanomaterials Synthesis, Characterization and Applications (ICN 2018) | March, 2018 |
| 5 | Design of fuzzy logic controller of residential electric water heaters | Ms. E. Hima Bindu  (Asst., Prof., EEE, GCET. HYD)  Mr. D. Krishna, (Asst., Prof., EEE, Anurag Group of Inst., HYD) | International Journal of Current Engineering And Scientific Research (IJCESR) | Vol., 5(4), March, 2018 |
| 6 | Adaptive neuro fuzzy based maximum torque control of three phase induction motor | Mr. G. Srikanth  (Assoc., Prof., EEE, GCET, HYD)  Dr. G. Madhusudhan Rao  (Prof., TKR College, HYD) | Helix Journal, Vol., 8(2), PP., 3067-3071, | Feb., 2018 |
| 7 | Comparative Study of Maximum Torque Control by PI ANN of Induction Motor | Mr. G. Srikanth  (Assoc., Prof., EEE, GCET, HYD)  Dr. G. Madhusudhan Rao  (Professor, TKR College, HYD) | International Journal of Applied Engineering Research (Scopus Indexed) | Feb., 2018 |
| 8 | A comparative study on UPFC and DPFC towards low harmonic distortion | Mr. Gouse Basha Mulla,  (Asst. Prof., EEE, GCET, HYD)  Dr. Radhika Dora  (Prof., EEE, GCET, HYD) | International Journal of Advanced in Management, Technology and Engineering Sciences  (UGC Approved) | Vol., 8(1), PP. 14-19.  Jan., 2018 |
| 9 | Three Phase Parallel Multilevel Inverter Fed  Asynchronous Machine Using Phase Disposition  Scheme | Mr. N V Bharadwaj  (Assoc., Prof., EEE, GCET, HYD)  Dr. P. Chandra Sekhar,  (Assoc., Prof., EEE, MGIT, HYD)  Dr. M. Siva Kumar  (Prof., EEE, Gudlavalleru Engg., College,) | International Journal of Advanced in Management, Technology and Engineering Sciences  (UGC Approved) | Vol,, 7(12)  Jan., 2018 |
| 10 | Modeling and harmonics analysis of domestic loads and harmonics mitigations techniques | Mr. S. Poorna Chander  (Asst. Prof., EEE, GCET, HYD)  Mr. G. Mohan Babu  (Asst. Prof., EEE, PCET, HYD) | International Journal of Electronics, Electrical and Computational System, Vol., 6 (12), pp. 190-214. | Dec., 2017 |
| 11 | Adaptive neuro-fuzzy based UPQC in a distributed power system for enhancement of power quality | Mr. M. Pradeep  (Asst. Prof., EEE, GCET, HYD)  Mr. V. Padmaja  (Asst. Prof., EEE, GCET, HYD)  Ms. E. Hima Bindu  (Asst. Prof., EEE, GCET, HYD) | International Conference on Recent Innovations in Electrical and Electronics Engineering, (ICRIEEE-2017) | Dec., 2017 |
| 12 | Design of Fuzzy logic controller of state estimation uncertainty reduction for IEEE 14-bus system | Mr. M Pradeep  (Asst., Prof., EEE, GCET, HYD)  Mr. D. Krishna  (Asst. Prof., EEE, Anurag Group of Inst., HYD) | International Journal of Electronics, Electrical and Computational system | Dec., 2017 |
| 13 | Automatic generation control of multi-source interconnected power system including DFIG wind turbine and FACTS devices | Dr. Harish Pulluri  (Assoc., Prof., EEE, GCET, HYD)  Dr. Preeti  (Asst. Prof., EEE, ABES Engg. College, UP) | International Conference on Emerging Trends in Engineering Innovations and Technology Management (ICET:EITM-2017) | Dec., 2017 |
| 14 | Biogeography based optimization technique for non-cascaded short term hydrothermal scheduling with reservoir constraint | Dr. Harish Pulluri  (Assoc., Prof., EEE, GCET, HYD)  Mr. T. Srihari  (Asst. Prof., EEE, GNIT, HYD),  Dr. U. Mohan  (Assoc. Prof., EEE, LITS, VZM) | International Journal of Electronics, Electrical and Computational System, | Vol., 6 (12), pp. 426-434.  Dec., 2017 |
| 15 | Colliding bodies optimization algorithm for optimal power flow problem of power system | Ms. Pooja Rani T  (Asst. Prof., EEE, GCET, HYD)  Dr. Preeti (Asst. Prof. EEE, ABES Engg. College, UP) | International Journal of Electronics, Electrical and Computational System | , Vol., 6 (12), pp. 419-425.  Dec., 2017 |
| 16 | Novel method for loss reduction and voltage profile improvement with multiple DGs | Ms. Azra Zaineb  (Asst. Prof., EEE, GCET, HYD)  Ms. J. Sridevi  (Asst., Prof., EEE, GRIET, HYD) | International Journal of Science and Engineering Research, | Vol., 8(11), PP. 843-848.  2017 |
| 17 | Power quality improvement of DSTATCOM under different loading conditions | Mr. K. Nagaraju  (Asst., Prof., EEE, GCET, HYD)  Mr. B. Ramesh Babu,  (Asst., Prof., EEE, GCET, HYD) | International Journal of Research. | Vol., 4(13)  Oct., 2017 |
| 18 | Power systems protection coordination and associated reliability with smart grid security | Mr. S. Poorna Chander  (Asst., Prof., EEE, GCET, HYD)  Mr. G. Mohan Babu  (Research Scholar, OU, HYD) | International Conference on Computation Methodologies and Communication (ICCMC-2017) | Sep., 2017 |
| 19 | Very low speed sensor less online Torque estimate resistance of an induction engine without injection signal | Mr. M. Prashanth Kumar  (Asst., Prof., EEE, GCET, HYD)  Dr. S. Radhika  (Prof., EEE, GCET, HYD) | International conference on Science, Technology and Management (ICSTM-2017) | Sep., 2017 |
| 20 | Application of power electronics devices in soft starting of a DC motor | Mr. V. Rakesh  (Asst., Prof., EEE, GCET, HYD)  Dr. S. Radhika  (Prof., EEE, GCET, HYD) | International conference on Science, Technology and Management (ICSTM-2017) | Sep., 2017 |
| 21 | Wind interconnection of grid at the distribution level to improve the power quality by using resonant controller | Ms. Azra Zaineb  (Asst. Prof., EEE, GCET, HYD)  Ms. J. Sridevi  (Asst., Prof., EEE, GRIET, HYD) | International journal of research in advent technology | Vol.,6(5) |

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| AY 2016-17 | | | | |
| **S.No** | **Title of the Research Paper** | **Authors Details** | **Name of Journal/ Conference** | **Year & Month Published** |
| 1 | Application of remote sensing images for natural disaster mitigation using wavelet based pattern recognition analysis | Dr. S. Radhika  (Prof., EEE, GCET, HYD) | IEEE Conference by geoscience and remote sensing society, 2016,beijing,china | July, 2016 |
| 2. | Power quality improvement of unbalanced distribution system using ANN- LMBNN based D statcom | M.Pradeep  (Asst. Prof., EEE, GCET, HYD)  v. Padmaja  (Asst. Prof., EEE, GCET, HYD) | IJAREEIE(International journal of advanced research in electrical, electronics and instrumentation engineering) | Nov, 2016 |
| 3 | Advanced computational techniques for automatic detection of damages roof structures after a natural disaster | Dr. S. Radhika  (Prof., EEE, GCET, HYD) | The eight national conference on wind engineering, IIT(BHUTAN), varansi India | Dec, 2016 |
| 4 | Fast dynamic control behavior of a capacitor supported dynamic voltage restorer | S. Poorna Chander rao  (Asst. Prof., EEE, GCET, HYD) | International conference on latest trends in electronics and communication | Jan,2017 |
| 5 | Hybrid power generation using nonconventional energy sources and sea water by electrolysis process | Pooja rani  (Asst. Prof., EEE, GCET, HYD)  Manjul Khare  (Asst. Prof., EEE, GCET, HYD)  D. Radhika  (Assoc. Prof., EEE, GCET, HYD) | International journal of advanced technology in engineering and sciences | Vol.,5  Issue 03, March 2017 |