

Faculty Journal Publications for the Academic Year 2012-2013

| S.No | Name of the author | Title of the paper | Title of the Journal |
|-------------|--|--|---|
| 1 | J.Viswanatha Rao et.al | A Fast Power Flow Solution of Radial Distribution Networks | International Journal of Electrical Engineering |
| | J.Viswanatha Rao et.al | Analysis of Radial Distribution Systems by optimal placement of DG using DPSO | International Journal of Engineering Research & Technology |
| | J.Viswanatha Rao et.al | Matlab/Simulink Model of wind farm to weak grid connection | International Journal of Engineering Research & Technology |
| | J.Viswanatha Rao et.al | Analysis of Optimal AVR Placement in Radial Distribution Systems using Discrete Particle Swarm Optimization | International Journal of Innovative system design and Engineering |
| 2 | V.Ramesh babu, Dr.M.P.Soni | A Novel method of using Twin Rotor Axial Flux Induction Machine for Wind Energy Conversion System and the Reactive power compensation by TSC-TCR | International Journal of Emerging Technology and Advanced Engineering |
| 3 | Venu Yarlagaadda, BV Sankar Ram, KRM Rao | Testing and control of TSC-TCR type static var compensator (SVC) using microcontroller | International Journal of Control and Automation |
| 4 | P. Ramesh, N. Krishna Kumari, M. Krishna | Analysis of different topologies for active power factor correction using DC-DC converters | IJEES |
| | Krishna Kumari, N., Tulasi Ram Das, G., Soni, M.P. | Analysis of direct torque control of interior permanent magnet synchronous motor using PID and Fuzzy logic controllers | Journal of Electrical Engineering |
| 5 | Srinivasa Rao Jalluri and Dr.B.V.Sanker Ram | Direct Torque Control method using fuzzy Logic for IM Drives | International Journal of Advanced Research in Electrical, Electronics and Instrumentation |
| | Srinivasa Rao Jalluri and Dr.B.V.Sanker Ram | Performance and analysis of Induction Motor using Conventional SVM Controller and Fuzzy | International Journal of Electrical and Electronics Engineering Research |

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| | Srinivasa Rao Jalluri and Dr.B.V.Sanker Ram | Performance and analysis of Induction Motor using Hysteresis Band PWM Controller | International Journal of Advances in Engineering & Technology |
| | Srinivasa Rao Jalluri and Dr.B.V.Sanker Ram | Direct Torque Control Based on Space Vector Modulation with Adaptive Stator Flux Observer for Induction Motors | International Journal of Engineering Research and Applications, |
| | Srinivasa Rao Jalluri and Dr.B.V.Sanker Ram | Performance and analysis of Induction Motor using Fuzzy Controller | International Journal of Applied Engineering Reaserch |
| | Srinivasa Rao Jalluri and Dr.B.V.Sanker Ram | Reduction of Torque Ripples in Induction Motor Using Direct Torque Control Techniques | International Journal of Technology and Engineering Science |
| | Srinivasa Rao Jalluri and Dr.B.V.Sanker Ram | Performance and analysis of Direct Torque Control of Induction Motor using fuzzy Logic Control | International Journal of Technology and Engineering Science |
| 6 | Dr.J.Bhavani Dr.D.Subba rayudu & Dr.J.Amarnath | Generalized pulse width modulation method for Induction motor drive with reduced complexity | International journal of Applied Engineering Research, Research India Publications |
| | Dr.J.Bhavani Dr.D.Subba rayudu & Dr.J.Amarnath | Hybrid pulse width modulation method for VSI fed Induction motor drive with reduced complexity | International journal of Engineering Research and development |
| | Dr.J.Bhavani Dr.D.Subba rayudu & Dr.J.Amarnath | Generalized PWM Algorithm for Direct Torque controlled Induction motor drives using the only sampled voltages | International journal of Computational Engineering & Research |
| | Dr.J.Bhavani, Dr.D.Subba rayudu & Dr.J.Amarnath | Performance of Direct Torque controlled Induction motor drives using the only sampled voltages with generalized PWM Algorithm | International journal of systems, algorithms & applications |
| | Dr.J.Bhavani Dr.D.Subba rayudu & | Hybrid PWM Algorithm for Induction motor drive with reduced computational burden | International journal of Advanced Electrical and Electronics Engineering |

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| | Dr.J.Amarnath | | |
| | Dr.J.Bhavani Dr.D.Subba rayudu & Dr.J.Amarnath | Hybrid PWM Algorithm for Direct Torque controlled Induction motor drive with reduced computational burden | Engineering sciences international journal |
| 7 | T. Nireekshana, Dr. G. K. Rao, Dr. S. Siva Naga Raju | Enhancement of ATC with FACTS devices using Real-code Genetic Algorithm | International Journal of Electrical Power and Energy Systems (IJEPES), Elsevier |
| | T. Nireekshana, Dr. G. K. Rao, Dr. S. Siva Naga Raju | Congestion Mitigation based on Generator Sensitivities in Deregulation | International Journal of Emerging Trends in Electrical and Electronics (IJETEE) |
| 8 | Dr. K. Veeresham Dr. K. Vaisakh | Forward Boost Converter Applied to DC Motor Drive for Closed Loop Speed Control and AC side Power Factor Correction | International Journal of Electrical, Electronics and Telecommunication Engineering |
| | Dr. K. Veeresham Dr. K. Vaisakh | Voltage Quality Improvement by Using Dynamic Voltage Restorer in Distribution Lines | International Journal of Electrical, Electronics and Telecommunication Engineering |
| | Dr. K. Veeresham Dr. K. Vaisakh | A Three Phase 11-Level Multi Level Converter for Grid Connected PV Application | International Journal of Engineering & Science Research |
| | Dr. K. Veeresham Dr. K. Vaisakh | A Novel Multi Level AC/DC/AC Single Phase to Three Phase Converter for Induction Motor Application | International Journal of Electrical, Electronics and Telecommunication Engineering |
| | Dr. K. Veeresham Dr. K. Vaisakh | Closed Loop Control of AC to DC Step-down Converter Applied to DC Motor Drive | International Journal of Engineering & Science Research |
| 9 | G.Radhika, Dr.M.Suryakalavathi | Back flashover Analysis Improvement of a 220 kV Transmission Line | International Journal of Engineering Research and Applications |
| 10 | P. Ramesh, N. Krishna Kumari, M. Krishna | Analysis of different topologies for active power factor correction using DC-DC converters | IJEEES |
| 11 | RashmiKapoor, Dr. M. Sushama | Power Quality Improvement by a DFACT device using repetitive controller | International Journal of Engineering Research and technology |
| 12 | 1.A.Naveen Kumar | Comparison of Control Algorithms for Shunt Active | International Journal of Power System Operation |

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|--|-------------------------------|--------------------------------|-----------------------|
| | 2.A.Giriprasad 3.K.Dheeraj | Filter for Harmonic Mitigation | and Energy Management |
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Faculty Journal Publications for the Academic Year 2013-2014

| S.No | Name of the author | Title of the paper | Title of the Journal |
|-------------|--|---|--|
| 1 | Ravindranath Tagore Yadlapalli, Anuradha Kotapati | A fast-response sliding-mode controller for quadratic buck converter | International Journal of Power Electronics |
| 2 | 1. A. Giriprasad 2. Poonam Upadhyay 3. J. Amarnath | Effect of Voltage on Metallic Particle in a 3-Phase Gas Insulated Bus Duct using Analytical Method, FEM and CSM | International Journal Of Engineering And Computer science |
| 3 | N. Raveendra, V. Madhusudhan, A. Jaya Laxmi | A new converter Topology of Shunt APF using PQ theory applied to BLDC Drive | International Journal of Electrical and Electronics Engineering |
| | T. Rakesh, Dr. V. Madhusudhan, Dr. M. Sushama | Design of Voltage Controlled DSTATCOM for Power Quality Improvement and Energy Conservation | International Journal of Advanced Engineering Science and Technological Research |
| | T. Rakesh, Dr. M. Sushama, Dr. V. madhusudhan | Power Quality Improvement By Using Flexible-DSTATCOM by Mitigating the Effects of Faults | World Journal of Engineering Science |
| | T. Rakesh, Dr. V. Madhusudhan, Dr. M. Sushama | Performance Studies of Three-Phase Cascaded H-Bridge and Diode-Clamped Multilevel inverters | International Journal of Engineering and Computer Science |
| 4 | Srinivasa Rao Jalluri and Dr. B. V. Sanker Ram | Performance and analysis of Direct Torque Control of Induction Motor using fuzzy Logic Control at Different Loads | International Journal of Technology and Engineering Science |
| 5 | 1. D. Ravi Kumar, 2. V. Sankar | Optimal Allocation for Reliability analysis of Series Parallel system using Dynamic Programming | International Journal of International Journal of Power System Operation and Energy Management |
| 6 | R Geshma Kumari, S | Modeling and Control of PMBLDCM Using PFC Half | International Journal of Engineering and Innovative |

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| | TARA KALYANI | &Full Bridge Converter | Technology |
| 7 | P Naresh, C Hitesh, A Patel, T Kolge, A Sharma, KC Mittal | Analysis and development of fourth order LCLC resonant based capacitor charging power supply for pulse power applications | Review of scientific instruments |
| | CS Reddy, AS Patel, P Naresh, A Sharma, KC Mittal | Experimental investigations of argon spark gap recovery times by developing a high voltage double pulse generator | Review of scientific instruments |
| 8 | 1. A. Giriprasad 2. Poonam Upadhyay 3.J.Amarnath | Effect of Voltage on Metallic Particle in a 3-? Phase Gas Insulated Bus Duct using Analytical Method,FEM and CSM | International Journal Of Engineering And Computer science |

Faculty Journal Publications for the Academic Year 2014-2015

| S.No | Name of the author | Title of the paper | Title of the Journal |
|-------------|---|---|---|
| 1 | Ravindranath Tagore Yadlapalli, Anuradha Kotapati | An efficient sliding-mode current controller with reduced flickering for quadratic buck converter used as LED lamp driver | International Journal of Power Electronics |
| | P. Venu Gopal, K. Anuradha | Analysis and simulation of solar PV based Multi level converters | International Journal of Professional Engineering Studies |
| 2 | 1.M.Srikanth, 2.S.Tarakalyani, 3.PoonamUpadhyay | Grid Connected Single-Phase Bidirectional Inverter with MPPT Tracker | International Electrical Engineering Journal (IEEJ) |
| | 1.A.Giriprasad 2.J.Amarnath 3. PoonamUpadhyay | Effect of voltage on conducting particle movement in single phase gas insulated busduct using analytical method and csm considering with and with out image charges | International Journal of Electrical and Electronics Engineering Research (IJEEER) |
| | 1.M. AVINASH, 2.PoonamUpadhyay | Study of Static Var Compensator with Fuzzy Logic Controller for Two Machine Three Bus Power System | International Journal of Eminent EngineeringTechnologies |
| 3 | J.Viswanatha Rao et.al | Multi-area Multi-fuel Economic-Emission Dispatch Using a Generalized Unified Power Flow Controller Under Practical Constraints | Arabian Journal of Science and Engineering(AJSE) |
| 4 | T.Rakesh, Dr.V.Madhusudhan, Dr.M.Sushama | Fortification of Voltage Re-compense by Scheming of CMHBI -DSTATCOM | International Journal of Recent Advances in Engineering & Technology |
| | N.Raveendra, V.Madhusudhan | Performance and Analysis with Power Quality improvement with Cascaded Multi-Level Inverter Fed BLDC Motor Drive | International Journal of Recent Advances in Engineering & Technology |
| | T.Rakesh, Dr.V.Madhusudhan, Dr.M.Sushama | Modeling of 5-Level CHB as DSTATCOM for compensation of Power Quality Issues | International Journal of Electrical and Electronics Engineers |

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| | T.Rakesh, Dr.V.Madhusudhan, Dr.M.Sushama | Implementation of Multilevel VSC Topologies for DSTATCOM | International Journal of current Research |
| 5 | V.Ramesh babu, P.Neelima | Modelling of Axial Flux Induction Machines and its Application as Differential in Electric Vehicles | International Journal of Innovative Research in Advanced Engineering |
| 6 | Dr.Venu Yarlagadda, P.Sai Saroja, P.Avinash,P.Nikhilesh | Comparative analysis of Fast Acting AVR and ALFC Loppes with Classical Controllers on Dynamic Stability Improvement | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering |
| | Dr.Venu Yarlagadda,Spandana Bitla | Comparative analysis of Shunt Compensation Devices Impact on Voltage Stability Enhancement | International Organization Of Scientific Research (IOSR) |
| | Dr.Venu Yarlagadda, Spandana Bitla | Contingency Based Voltage Stability Improvement | International Journal of Research in Engineering & Advanced Technology |
| 7 | Ch. Uma Maheswara Rao, BalaMurali Krishna V, A. LaxmiSoundarya, N, Krishna Kumari | Field oriented control of PMSM with model reference adaptive control using Fuzzy-PI controller | IJCTA |
| 8 | G.SASI KUMAR D. Kishore Kumar | Security constrained Optimal power flow using Benders cut principle | International journal of control theory and application (IJCTA) |
| 9 | Mr.B.Srinivas & Dr.J.Bhavani | Novel Intellegent Control Technique based on Space Vector Modulation Direct Torque Control for Induction Motors | International journal of Applied Engineering Research, Research India Publications |
| 10 | T. Nireekshana, Dr. G. K. Rao, | Available Transfer Capability Enhancement with Load Rescheduling Using Cat Swarm Optimization | International Journal of Computer Applications (IJCA) |
| | P. Karuna T. Nireekshana | ATC Enhancement with Load Models- A Comprehensive Evaluation Using FACTS | International Journal of Innovative Research in Advanced Engineering (IJIRAE) |
| | V. S. Lakshmana Murthy, T. | Enhancement of Static Available Transmission Capacity of Interconnected Power Systems Using | International Journal of Eminent Engineering Technologies |

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| | Nireekshana | Power Angle controller | |
| 11 | 1. V. Suhasini and 2. D. Ravi Kumar | Implementation of Network reconfiguration Algorithm in Electrical Distribution Systems | International Journal of Current Engineering and Scientific Research |
| | 1. Razia Sultana, 2.D. Ravi Kumar and 3. Dr. G.S.Raju | Active Power Loss Allocation among Generators and Loads in an Interconnected Integrated Energy System | International Journal of Control Theory and Applications |
| | 1)D. Ravi Kumar and 2)V. Sankar | Approximate System Reliability Analysis of Power System networks using Cutsets | i-manager's Journal on Power Systems Engineering |
| | 1)D. Ravi Kumar and 2)V. Sankar | Loss Reduction and Reliability Optimization in Electrical Distribution Systems using Network Reconfiguration | The Journal of CPRI |
| 12 | G.Radhika, Dr.M.Suryakalavathi | Improvement of Backflashover Analysis for a 400 kV System Integrated with Sub Station | International Journal of Electrical Electronics and Telecommunication Engineering |
| | G.Radhika, Dr.M.Suryakalavathi | Small Scale High Frequency, High AC Voltage Generation Using Tesla Coil | International Journal of Electrical and Electronics Engineering Research |
| 13 | K. Sravanthi, M. Ranjit, S. Srinivasulu | Space Vector Pulse Width Modulation Based Indirect Vector Control of Induction Motor | International Journal of Innovative Research in Advanced Engineering |
| 14 | Sayara Sultana, Poornima.S D.S.G Krishna | Improved Direct Torque controller of Dual Inverter Fed Double Star Induction Motor | International Journal of Innovative Research in Advanced Engineering (IJIRAE) |
| 15 | S Sultana, Poornima S DSG Krishna | Improved Direct Torque Controller of Dual Inverter Fed Double Star Induction Motor | International Journal of Innovative Research in Advanced Engineering |
| 16 | Sri Charan Gunti, Sai Kiran Gunti, Amjad Shaik, Srinivasa Rao, Amarnath Reddy | Development of Range Extended-Solar Power Assisted Electric Vehicle | Sae Technical Papers |
| 17 | P. Naresh et al., | Explosive emission properties of cathode materials in relativistic electron beam generation | IEEE transactions on Plasma science |
| 18 | 1. A. Giriprasad 2. | Effect Of Voltage On Conducting Particle Movement | International Journal of Electrical and Electronics |

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|--|---------------------------------|--|------------------------------|
| | Poonam Upadhyay 3.J.Amarnath | In Single Phase Gas Insulated Busduct Using Analytical Method And Csm Considering With And Without Image Charges | Engineering Research(IJEEER) |
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Faculty Journal Publications for the Academic Year 2015-2016

| S.No | Name of the author | Title of the paper | Title of the Journal |
|-------------|--|---|--|
| 1 | K. Sireesha, K. Anuradha, Ch. Manjeera | Wavelet Modulated Z-Source Inverter | International Journal of Electrical and Electronics Engineering Research |
| | N. Hima Bindu, K. Anuradha | Modelling and Design of Novel Multilevel inverter for grid connected Photovoltaic system | International Journal of Electrical and Electronics Engineering Research |
| | Gandla Radha Krishna, K. Anuradha | DC Link Capacitor Voltage Balance and Neutral Point Stabilization in Diode clamped Multi Level Inverter | International Journal of Control Theory and Applications |
| | Yadlapalli, R.T., Kotapati, A. | Simulation of hybrid power sources for industrial LED lighting systems | Journal of Electrical Engineering |
| | Yadlapalli, R.T., Kotapati, A. | New low cost passive filter configuration for mitigating bus voltage distortions in distribution systems | Journal of Electrical Engineering |
| 2 | 1.D.Charishma, 2.Poonam Upadhyay, 3.D.Ravi Kumar and 4.U. Haritha | Reactive Power compensation in power system using Evolutionary Algorithm | International Journal of Latest Research in Science and Technology |
| | Rathnasagar Rangu, Poonam Upadhyay | Study of Transient Stability Improvement of IEEE 9-Bus System by using SVC | International Journal of Engineering Trends and Technology (IJETT) |
| 3 | J.Viswanatha Rao et.al, | Cost/Environmentally Compromised Dispatch for Cascaded Hydrothermal System Using Artificial Bee Colony Algorithm | IEEJ Transactions on Electrical and Electronics Engineering |
| | J.Viswanatha Rao et.al | Combined Energy Economic and Environmentally Conscious Operation of Hydrothermal Power System Using Artificial Bee Colony Algorithm | Journal of Basic and applied engineering research |
| | J.Viswanatha Rao et.al | Hybrid Renewable Energy Sources Based Active Power Filter with Predictive Fuzzy Controller to | International Journal of Scientific Engineering and Technology Research |

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| | | Improve Power Quality | |
| | J.Viswanatha Rao et.al | Closed loop control of Inverter/Converter Topology for Electric Vehicle | International Journal of Scientific Engineering and Technology Research |
| 4 | T.Rakesh, Dr.V.Madhusudhan, Dr.M.Sushama | MI Control of MLI-DSTATCOM for Sag and Swell Enhancement in Power Distribution System | International Electrical Engineering Journal |
| | T.Rakesh, V. Madhusudhan, M.Sushama | An Exploration of MLI Topology and Control Techniques | International Electrical Engineering Journal |
| | N.Raveendra, V.Madhusudhan, A.Jaya Laxmi | Modeling and Simulation of DSTATCOM for Power Quality Enhancement in Distribution System | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering |
| | M.Ramasubbamma, Dr.V.Madhusudhan | SRM Speed control with various Converter Topologies | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering |
| | M.Ramasubbamma, Dr.V.Madhusudhan | A Variable Speed PFC Converter for Brushless SRM Drive | International Journal of Cybernetics & Informatics |
| | V. Rama Chandra Reddy, Dr. V.Madhusudhan, Dr. B.Mouli Chandra | Reduction in Commutation Torque Ripple in Sensor less BLDC Motor Fed by Pvcells using Fuzzy Logic Controller | International Journal of Research |
| | K.Balaji, Dr. V.Madhusudhan, Dr. B.Mouli Chandra | A New Power Factor Correction Method using an Inverter Fed Interior Permanent Magnet (IPM) Motor | International Journal & Magazine of Engineering, Technology |
| | Dr V. Madhusudhan, M.Gayathri | A New Control Scheme for PWM of 4-Leg Voltage Source Inverter Fed Unsymmetrical Two Phase Induction Motor | International Journal of Scientific Engineering and Technology Research |
| | Dr.V.Madhusudhan, Dr C.Subbarami Reddy, Y. | Modified DTC Scheme using Fuzzy Logic Control for a FSTPI Fed Induction Motor Drive | International Journal of Scientific Engineering and Technology Research |

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| | Venkata Prasad | | |
| | T. Rakesh, V. Madhusudhan and M. Sushama | Distribution Systems Reliability Analysis with Power Quality issues and Neutral Currents Compensation Mistreatment MLI-DSTATCOM | i-manager's Journal on Circuits and Systems |
| 5 | V.Ramesh babu, N.V.Sivakumari | Modelling of Permanent Magnet Synchronous Machine and its Stability Analysis | International Journal of Latest research in Science and Technology |
| | V.Ramesh babu and K.Swetha | Performance Analysis of V/f Controlled Inverter Fed Induction Motor under Different Conditions | International Journal of Engineering Trends and Technology |
| 6 | U.Harika N. Krishna Kumari | Multilevel Inverter fed Permanent Synchronous Motor with Field Oriented Control Using Three Level Space Vector Modulation" | ICGST-Automatic Control System Engineering Journal |
| | N. Krishna Kumari G. Tulasi Ram Das Dr.M.P.Soni | Implementation of FPGA on SPM Drive Using PI Controller | ICGST-Automatic Control System Engineering Journal |
| | N. Krishna Kumari, G. Tulasi Ram Das, Dr.M.P.Soni | Simulation and Experimental Evaluation on PMSM with FPGA. | Journal of Electrical Engineering |
| | N. Krishna Kumari, G. Tulasi Ram Das, Dr.M.P.Soni | Analysis of Interior Permanent Magnet Synchronous Motor with Modified Direct Torque Control using Fuzzy Logic Controller | World Journal of Modelling and Simulation |
| 7 | G.Sasi Kumar y.Anusha | Optimal Location of Distributed Generator in Radial Distribution System by Using Genetic Algorithm | International Journal of Engineering Trends and Technology (IJETT) |
| | G.Sasi Kumar Sumana Das | Over Current And Over Voltage Diminution Using Active SFCL In A Distribution System With Dg Units | International Journal of Electrical and Electronics Engineering Research |
| 8 | Neelakanteshwar Rao Battu, A. R. Abhyankar, Nilanjan Senroy | DG Planning with Amalgamation of Economic and Reliability Considerations | International Journal of Electrical Power and Energy Systems |
| | Neelakanteshwar Rao | Effect of Capacitors on Frequency of OLTC Tap | International Journal of Emerging Electric Power |

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| | Battu, Nilanjan Senroy, A. R. Abhyankar | Changes in the Presence of Wind Generation | Systems |
| | Neelakanteshwar Rao Battu, A. R. Abhyankar, Nilanjan Senroy | DG Planning with Amalgamation of Operational and Reliability Considerations | International Journal of Emerging Electric Power Systems |
| 9 | Dr.J.Bhavani | Generalized PWM Algorithm for 3-level Diode Clamped Inverter fed Direct Torque Controlled Induction Motor Drive | International Journal of Advanced Research in Electrical ,Electronics and Instrumentation Engineering |
| 10 | T. Nireekshana, Dr. G. K. Rao, Dr. S. Siva Naga Raju | Available Transfer Capability Enhancement with FACTs Using Cat Swarm Optimization | Ain Shams Engineering Journal, Elsevier |
| | P.Karthik Chowdary, T.Nireekshana | Enrichment of Available Transfer Capability Using TCSC | International Journal of Electrical and Electronics Engineering Research (IJEEER), TJPRC |
| | N. Srihari Yadav, T. Nireekshana | Contribution Factors for tracing Electricity among generators to loads | International journal of Engineering Trends and Technologies (IJETT) |
| 11 | Dr. K. Veeresham Dr. K. Vaisakh | Seeker Optimization Algorithm for Optimal Transmission Expansion Planning with Generator/Load Models and Frequency Controls | TJPRC-International Journal of Power Systems & Microelectronics |
| | Dr. K. Veeresham Dr. K. Vaisakh | Optimal Transmission Expansion Planning With Generator/Load Models And Frequency Controls Using Differential Evolution Algorithm | International Journal of Industrial Electronics and Electrical Engineering |
| | Dr. K. Veeresham Dr. K. Vaisakh | Bat Algorithm Based Optimal Transmission Expansion Planning With Generator/Load Models And Frequency Controls | International Journal Of Electrical, Electronics And Data Communication |
| 12 | 1.D.Charishma, 2.Poonam Upadhyay, 3.D.Ravi Kumar and 4.U. Haritha | Reactive Power compensation in power system using Evolutionary Algorithm | International Journal of Latest Research in Science and Technology |

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| | 1)D. Ravi Kumar and 2)V. Sankar | Approximate System Reliability analysis of Distribution Networks with repairable components and Common Cause Failures | i-manager's Journal on Electrical Engineering |
| 13 | G.Radhika, Dr.M.SuryaKalavathi, G.VenuGopal | Development of Small Scale Impulse Current Generator for Testing of MO Blocks | IEEMA Journal |
| | G.Radhika, Dr.M.Suryakalavathi, K.Vamshi | Significance of Transposition for 220 kV Tower | International Journal of Latest Research in Science and Technology |
| | G.Radhika, Dr.M.SuryaKalavathi | Computation of 400 kV Phase and Sequence impedance Matrices Signifying Transposition | i-manager's Journal on Power Systems Engineering |
| | G Radhika, U Gayathri | Islanding operation of Renewable Energy Sources in a Microgrid Systems | International Journal of Electrical & Electronics Engineering Research |
| | G. Radhika, K. Vamsi | Significance of Transposition for 220 kV Tower | International Journal of Latest Research in Science and Technology |
| 14 | E.SHIVA PRASAD | Multi-Objective Optimized Controller for Torque Ripple Minimization of Switched Reluctance Motor Drive System | Indian Journal of Science and Technology |
| | E.SHIVA PRASAD | A Novel Optimized Controller for Speed Enhancement of Switched Reluctance Motor Drive System | International Journal of Electrical, Electronics and Telecommunication Engineering, |
| | E.SHIVA PRASAD | Comparative analysis of asymmetric bridge converter and R-dump converters in switched reluctance motor drive | International Journal of Control Theory and Applications |
| | Vuppalapati Dinesh, E. Shiva Prasad | Simulation of Dual active bridge converter for energy storage system | International Journal of Engineering Trends and Technology |
| 15 | 1.M.Ranjit 2.M.Sumanjali 3.B.Ganesh Babu | Decoupled Svpwm Algorithm For Open-End Winding Induction Motor Drive | Journal of Electrical Engineering |
| | 1. M.Sumanjali 2. | Discontinuous Pwm Techniques For Open-End | International Journal of Advanced Computing and |

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| | M.Ranjit 3. B.Ganesh Babu" | Winding Induction Motor Drive For Zero Sequence Voltage Elimination | Electronics Technology |
| | Ranjit. M, Sumanjali. M and Ganesh. B | Open-end winding induction motor drive using decoupled algorithm | Journal of Electrical and Electronic Systems |
| 16 | 1.M.Ranjit 2.M.Sumanjali 3.B.Ganesh Babu | Decoupled Svpwm Algorithm For Open-End Winding Induction Motor Drive | Journal of Electrical Engineering |
| | 1. M.Sumanjali 2. M.Ranjit 3. B.Ganesh Babu" | Discontinuous Pwm Techniques For Open-End Winding Induction Motor Drive For Zero Sequence Voltage Elimination | International Journal of Advanced Computing and Electronics Technology |
| | Ranjit. M, Sumanjali. M and Ganesh. B | Open-end winding induction motor drive using decoupled algorithm | Journal of Electrical and Electronic Systems |
| 17 | M Naga jyothi | Newton-Raphson Load-Flow Analysis in Complex form with UPFC | International Journal of Engineering Trends and Technology (IJETT) |
| | M Naga jyothi | Comparative analysis of conventional and intelligent methods for optimal power flow | International Journal of Electrical Electronics Engineering Research |
| 18 | G. C. PRABHAKAR K. VIDYASREE | APPLICATION OF 3-PHASE 4-WIRE VOLTAGE SOURCE INVERTER AT THE DISTRIBUTION LEVEL | International Journal of Latest Research in Science and Technology |
| | Mohammad Sehon Pasha , G.C.Prabhakar | Micro Controller Based Energy Efficient Four Steps Charging of a Capacitor Using a Buck Converter with Consecutive Changes of its Duty Ratio | International Journal of Engineering Trends and Technology |
| 19 | K Ramagiri Mahesh D.S.G Krishna | Dynamic Dual Controller Strategy For Grid Tied Power Conversion System | International Journal of Electrical and Electronics Engineering Research |
| | K. Sai Krishna Reddy D. S. G. Krishna | Dual Loop Compensator For Efficient Quadratic Boost Converter | International Journal of Electrical and Electronics Engineering Research |
| | V. Ramesh Babu D.S.G. Krishna B. Sandeep Reddy | Cascade Operation of DC-DC Boost Converters in Solar PV system with Individual MPPT Controllers | International Journal of Innovative research in Electrical Electronics, Instrumentation and Control Engineering |

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| 20 | Laharika Komakula, R. Geshma Kumari | A Novel 7-Level Inverter Topology for Dynamic Performance of Induction Motor Drive | International Journal of Control Theory and Applications |
| | R. Geshma Kumari and D. G. Padhan | Sliding mode speed control of Permanent Magnet Synchronous Motor | International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE) |
| 21 | P Naresh, A Patel, A Sharma | Conducted noise analysis and protection of 45 kJ/s, ±50 kV capacitor charging power supply when interfaced with repetitive Marx based pulse power system | Review of scientific instruments |
| 22 | G Lakshminarayana, HJ Jayatheertha | ENERGY ESTIMATION: A CASE STUDY OF UNIVERSITY | International Journal of Recent Scientific Research |
| | Pinnelli Sai Krishna Kaushik, G Lakshminarayana | Voltage Enhancement Using Solid State Devices | International Journal of Engineering Research |
| 23 | Rashmi Kapoor, Dr. M. Sushama | Missing Sensor detection and restoration for a repetitive controlled DVR | International Journal of Applied Engineering research |
| | Rashmi Kapoor, Dr. M. Sushama | FPGA verification of modified repetitive controller for a power quality conditioner | International Journal of Electrical Engineering & Technology (IJEET) |
| 24 | A.GIRI PRASAD PRADEEP REDDY | High Efficient Cuk Converter For Low Insolation Based PV Cell Fed PMSM Drive For Water Pumping System | Journal of Advanced Technology and Innovative |
| | A.GIRI PRASAD SWARAJ YADAV | A Five Level Power Factor Correction AC-DC Converter | International Journal of Advanced Technology and Innovative Research |
| | AllamKavya, A. Giriprasad | Mitigation of voltage sag/swell caused by faults in induction motor by using DVR | International Journal of Scientific Engineering and Technology Research |

Faculty Journal Publications for the Academic Year 2016-2017

| S.No | Name of the author | Title of the paper | Title of the Journal |
|-------------|--|--|--|
| 1 | Yadlapalli, R.T., Kotapati, A. | Switching frequency effects and efficiency analysis of quadratic buck converter for low output voltage and high current applications | Journal of Electrical Engineering |
| | Yadlapalli, R.T., Kotapati, A. | Comparative study of switched-mode power supplies for low voltage and high current applications | Journal of Electrical Engineering |
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| 9 | A. Sharath Kumar, T. | Congestion Alleviation using Reactive Power | IOSR Journal of Electrical and Electronics |

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