



# Vidya Jyothi Institute of Technology

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(NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziz nagar Gate, C.B. Post, Hyderabad-500 075

## DEPARTMENT OF ELECTRICAL ELECTRONICS AND ENGINEERING

### DETAILS OF FACULTY RESEARCH PAPER PUBLICATIONS FOR THE

#### ACADAMIC YEAR 2015-16

| S.No | Name Of The Author , Co-Author ; Title Of The Paper ; Name Of The Journal/ Conference ;<br>Year of Publication ; ISSN ; Vol ; Issue ;   | Impact<br>Factor |
|------|---|------------------|
| 1.   | S.Sowmya Yadav , Dr.D.Bala Gangai Reddy , K.Satish Kumar; <i>“Design and simulation of cascaded Multilevel Based STATCOM with DC Voltage Control”</i> ; International Journal of Scientific Engineering and Technology Research ; 2015-2016 ; ISSN 2319-8885 ; Vol.04 ; Issue.23. | 5.762            |
| 2.   | J.Mansa, Dr.D.Bala Gangai Reddy, P. Nageshwara Rao; <i>“Analysis of BLDC Drive Performance with Hysteresis and PWM Control Techniques”</i> ; 2015-2016 ; ISSN 2319-8885 ; Vol.04 ; Issue.23.  | 5.762            |
| 3.   | R.Shivakumar Reddy ,Dr.D.Bala Gp.angai Reddy ; <i>“Simulation of fuzzy Based Sssc For Voltage Stability In Wind Energy System”</i> ; International Journal of Scientific Engineering and Technology Research ; 2015-2016 ; ISSN 2319-8885 ; Vol.04 ; Issue.23.                    | 3.8              |
| 4.   | Lashimi Narayana , Dr.D.Bala Gangai Reddy , Ms.M.Soujanya ; <i>“Modeling And Control Of Grid Connected Hybrid Renewable Energy System”</i> ; International Journal of Advanced Technology and Innovative Research ; 2015-2016 ; ISSN 2348-2370 ; Vol.07 ; Issue.06 .              | 4.1              |
| 5.   | S.Sowmyayadav , D.Balagangireddy , K.Sahish Kumar ; <i>“Design And Simulation Of Cascaded Multi Level</i>   | 3.8              |



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|     |  |       |
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|     | <i>Based STATCOM With Dc Voltage Control</i> ; International Journal of Scientific Engineering and Technology Research ; 2015-2016.  |       |
| 6.  | S.Sravan ,Dr.D.Bala Gangai Reddy; <i>“Power Factor Correction And Torque Ripple Minimization On BLDC Motor Using PWM Technic”</i> ; International Journal of Scientific Engineering and Technology Research ; 2015-2016 ; ISSN 2319-8885 ; Vol.04 ; Issue.19.  | 3.8   |
| 7.  | Dr.S.Siva Prasad,Ashwin Kumar G &Rajeev. K ; <i>“Efficient Utilization of RF and Optical Energy Harvesting For Low and Medium Power Applications”</i> ; International Journal of Innovations in Engineering and Technology ; 2015-2016.  | 0.672 |
| 8.  | A.RAVITEJA, Dr. S. Siva Prasad ; <i>“A Novel Hybrid Control Strategy Of A STATCOM for Power Quality Improvement in a Grid Connected Wind Driven Induction Generator”</i> ; International Journal & Magazine of Engineering Technology Management ; 2015-2016; Vol.01 ; Issue.01.                                 |       |
| 9.  | K. Srujan, Dr. S. Shiva Prasad ; <i>“A Three Phase UPS Systems Operating Under Nonlinear Loads with Modified SPWM Controller”</i> ; International Journal Of Scientific Engineering And Technology ; 2015-2016 ; Vol.02 ; Issue.09.  |       |
| 10. | Shireesha, Dr. S. Siva Prasad ; <i>“A Novel PFC Circuit for Reduced Switching Loss Bidirectional AC/DC Converter PWM Strategy with Feed forward Control for Grid-Tied Micro grid Systems”</i> ; IJISSET - International Journal of Innovative Science, Engineering & Technology ; 2015-2016 ; Vol.02 ; Issue.12. | 5.264 |



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|     |  |       |
|-----|--|-------|
| 11. | K. Jagdishwarji, Dr. S. Siva Prasad ; <b><i>“A Five Level Space Vector Pulse Width Amplitude Modulation for a Buck-Boost Voltage Source Inverter”</i></b> ; International Journal of Innovative Science, Engineering & Technology ; 2015-2016 ; Vol.02 ; Issue.12. | 5.264 |
| 12. | Ramidi Sukesh Kumar, Dr. S. Siva Prasad ; <b><i>“Improved Active Power Filter Performance For Renewable Power Generation Systems Using SVPWM”</i></b> ; Global Journal of Advanced Engineering Technology ; 2015-2016 ; Vol.04 ; Issue.04;                         | 3.69  |
| 13. | Sathish Kumar Kotha, Dr.S.Siva Prasad ; <b><i>“ Large Power Converters For Facts Applications By Combining Svpwm Level NPC VSCS”</i></b> ; Global Journal of Advanced Engineering Technology ; 2015-2016 ; Vol.04 ; Issue.04.                                      | 3.69  |
| 14. | S. Marlin, C. N. Ravi ; <b><i>“Closed Loop Control For Reactive Power Compensation Using Combined Facts Devices”</i></b> ; ARPNJEAS ; 2015-2016.   | 1.87  |
| 15. | Abinaya, C. N. Ravi ; <b><i>“Reactive Power Compensation in Grid System using STATCOM with Closed Loop Control”</i></b> ; Indian Journal of Science and Technology ; 2015-2016 ; ISSN 0974-5645.   | 1.002 |
| 16. | Tejaswini , S.M.Zafarullah ; <b><i>“Modeling And Simulation Of Dc Micro Grid Consisting Of Bess &amp;Renewable Energy Sources With Fuzzy Controller”</i></b> ; IJSETR ; 2015-2016.   | 3.8   |
| 17. | P.Sridivya, Z.M.Zafarullah ; <b><i>“Pi And Fuzzy Control Hybrid Power Quality Compensator For High Speed Traction System”</i></b> ; IJSETR ; 2015-2016.  | 3.8   |



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| 18. | Sungonti Santhosh , S.M.Zafarullah ; <b><i>“Fuel Cell Based Dc Link Voltage Controlled Scheme For Reliable Distributed Generation”</i></b> ; IJSETER ; 2015-2016.  | 3.8 |
| 19. | K.Pavankumar , S.M.Zafarullah ; <b><i>“A New Multilevel Base Dstatcom For Power Quality Improvement”</i></b> ; IJSETR ; 2015-2016 ; ISSN 2319-8885; Vol.04 ; Issue.21.   | 3.8 |
| 20. | Md.Salauddinparvaz, S.M. Zafarullah ; <b><i>“An Interleavel Bi-Directional Dc-Dc Converter For Fuel Cell Fed Electric Vehicle Application”</i></b> ; IJSETR ; 2015-2016 ; ISSN 2319-8885; Vol.04 ; Issue.21.   | 3.8 |
| 21. | Md. Wizzoddin , S.M. Zafarullah ; <b><i>“simulation of power factor correction based BLDC drive system”</i></b> ; IJSETER ;2015-2016 ; ISSN 2319-8885; Vol.04 ; Issue.23.                                      | 3.8 |
| 22. | G.Praveen , Alamuruvani ; <b><i>“Harmonics Reduction In 3-Phase, 3-Wire Distribution System With 5 Level Shunt Active Filter”</i></b> ; IJSETER ; 2015-2016 ; ISSN 2319-8885; Vol.04 ; Issue.23.               | 3.8 |
| 23. | A.Rithin , M.Vijay Kumar , V.Vijayalaxmi ; <b><i>“Hybrid Fuzzy Logic Controller For Distribution Static Synchronous Compensator”</i></b> ; IJSETER ; 2015-2016.  | 3.8 |
| 24. | K.V.N.Divya , P.Nageshwararao ; <b><i>“Reactive Power Control Using Fuzzy Control Svc In Long Tr.Line”</i></b> ; IJSETR ; 2015-2016 ; Vol.04 ; Issue.23.   | 3.8 |
| 25. | S.Jyoshnapavani , Alamuruvani ; <b><i>“Fuzzy Based Closed Loop Control Of Dc-Dc Converter For Battery Charger Applied For Electric Vehicle”</i></b> ; IJSETR ; 2015-2016 ; ISSN 2319-8885 ; Vol.04 ; Issue.23. | 3.8 |
| 26. | Surya Tejataruvu ; <b><i>“Simulation Of Grid Connected Photo Voltaic System With Boost Converter &amp; Inverter Using Mat Lab /Simulink”</i></b> ; IJSETR ; 2015-2016 ; Vol.07 ; Issue.06.                     | 3.8 |



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| 27. | B.Bhagyalaxmi , P.Nageshwararao ; <b>“Application Of DSTATCOM For Mitigating The Effects Of Fluctuations”</b> ; IJATIR ; 2015-2016 ; ISSN 2348-2370.                              | 4.1 |
| 28. | B.Karthik , Alamuruvani ; <b>“Res Based UPQC With Different Injecting Devices For Voltage Injection”</b> ; IJSETR ; 2015-2016.  | 3.8 |
| 29. | B.Ramesh , P.Nageshwararao , G.Sudharani ; <b>“Design &amp;Simulation Of Power Flow Control Transmission Grid Using Three Phase 48 Pulse GTO Converter”</b> ; IJSETR ; 2015-2016. | 3.8 |
| 30. | K.Raju , K.Sathish Kumar , G.Sudharani ; <b>“Simulation Of A Grid Connected Fuel Cell Based Boost Inverter Fed To Induction Motor Drive”</b> ; IJSETR ; 2015-2016.                | 3.8 |
| 31. | M.Srilatha , P.Nageshwararao ; <b>“Effect Of DSTATCOM Devices On The Dynamic Performance Of Distribution Networks”</b> ; IJATIR ; 2015-2016.                                      | 4.1 |
| 32. | M.Althafhussain , M.Vijaykumar , M.Soujanya ; <b>“Simulation Of Grid Connected PV System With Power Quality Improvement Using Fuzzy Logic Controller”</b> ; IJSETR ; 2015-2016.   | 3.8 |
| 33. | B.Aruna , T.Parameshwar ; <b>“Analysis Of Fuzzy Based Ac-Dc Dynamic Voltage Restorer For Mitigation Of Sag”</b> ; IJATIR ; 2015-2016.   | 4.1 |
| 34. | Bandaru Purandhar , B.Kranthi Kiran ; <b>“Fuzzy Logic Controller Based STATCOM To Compensate Loads For SEIG System”</b> ; IJATIR ; 2015-2016.                                     | 4.1 |
| 35. | N.Srinitha Devi, Shb.Ireena, Karumuri ; <b>“Power Quality Improvement Using Sme Based Sapf For BLDC Drive”</b> ; IJSETR ; 2015-2016.  | 3.8 |



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| 36. | V.Srinivas , M. Vijay Kumar , Ananthu Rajeshwar ; <b>“Comparison Of SCIG And Doubly Fed Induction Generator For Wind Energy System”</b> ; IJSETR ; 2015-2016.                         | 3.8 |
| 37. | V.Anuradha , Hussain Shaik , A.Rajeshwar ; <b>“Design And Simulation of Advanced Dvr For Multifunctional Purpose”</b> ; IJSETR ; 2015-2016.   | 3.8 |
| 38. | B.Sudhakar Reddy , Hussain Shaik , D.Srinivas ; <b>“Improved Scalar Controlled Induction Motor Using PID Controller And Fuzzy PID Controller”</b> ; IJSETER ; 2015-2016.              | 3.8 |
| 39. | K.Veronica Vinny , Shb.Ireena Karumuri ; <b>“Fault Analysis For Single Phase Grid Connected Transformer Less Inverter With Photovoltaic Input”</b> ; IJSETER ; 2015-2016.             | 3.8 |
| 40. | M.Shivakumar , P.Nageswara Rao , P.Vishnavi Devi ; <b>“Modeling And Simulation Of Voltage Flicker In Distribution System Using DSTATCOM By Varying Loads”</b> ; IJSETER ; 2015-2016 ; | 3.8 |
| 41. | O.Dileep , B.Kranthi Kiran ; <b>“Simulation Of Facts Devices To Compensative Voltage Flickers Caused By Faults And Induction Motor Loads”</b> ; IJSETER ; 2015-2016 ;                 | 3.8 |