CURRICULAM VITAE

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SUPERVISOR

- **Seven Research scholars** have completed the doctoral programme and currently guiding 4 **research scholars** in the field of Power Electronics and Drives.
- Reviewer of **"IET-Power Electronics"** journal
- Reviewer of "**Institution of Engineers**" Journal

FUNDS RECEIVED

- Received a fund of Rs.**Five lakhs and sixty thousand** from **AICTE** and successfully organized the **Staff Development Programme** titled **"Power Electronics for Green Energy"**.
- Received a fund of Rs. **Seven Lakhs** from **AICTE** for the **project** titled "**Matrix Converters Applied to Wind Energy Systems**"
- Received a fund of Rs. **Six Lakhs** from **AICTE** for the "**Modernization of Power Electronics Laboratory**"
- Received a fund of Rs. **Forty Five Thousand** from **Institution of Engineers, Kolkata** for the project titled "**An integrated sensor network to enhance the performance of gully pot monitoring system**" on 28th October 2016.
- Received a fund of Rs. **Twenty Five Thousand** from **Institution of Engineers, Kolkata** for the project titled "**A Monotonous Cyborg for an assessment of Solid Waste Management in Multi Storied Buildings**" on 15th September 2017.
- Received a fund from **Institution of Engineers, India** and successfully organized one day seminar titled "**Intelligent control systems for Industrial Automation**" on 17th January 2018.
- Received a fund of Rupees **Ten thousands** from **TNSCST, Cennai** for the project titled "**A voice controlled wheelchair using Arduino**" on 18th February 2019.

- Received a fund of Rs. **Thirty Thousand** from **Institution of Engineers, Kolkata** for the project titled "**An Enhanced Wearable Pre Impact Fall Warning and Protection System for Elderly People**" on 19th August 2019.
- Received a fund from **Institution of Engineers, India** on 15th November 2019 for organizing one day seminar titled "**Artificial Intelligence based Embedded System Design**" .

Guided

Ph.D Guided : 07

M.Tech Guided : 16

B.Tech Guided : 25

PUBLICATION DETAILS

International Journals : 58

National Journal : 1

International Conferences : 60

National Conferences : 31

International Journals:

1. Jamuna. V. and Rama Reddy. S. (2008), 'ANN controlled Energy Saver for Induction Motor Drive', Journal of Electrical Engineering, Romania, Volume 8, Edition 4, pp 70-77, ISSN 1582-4594.
2. Jamuna. V. and Rama Reddy. S. (2009), 'Neural Network based PWM AC chopper fed Induction motor drive', Serbian Journal of Electrical Engineering, Serbia, Volume 6, No.2, pp 299-313, ISSN 1451-4869.
3. Jamuna. V. and Rama Reddy. S. (2010), 'Neural Network controlled Energy saver for Induction motor drive', Journal of Industrial Technology, USA, Vol. 26, No. 1, pp. 1-10.
4. Jamuna. V. and Rama Reddy. S. (2010), 'Artificial Neural Network based Speed Control of Bidirectional Chopper fed Induction Motor Drive using DFR Theory', Asian Power Electronics, Hongkong, Vol.4, No.1, pp 36-42, ISSN 1995-1051.
5. Jamuna. V. and Rama Reddy. S. (2010), 'Modeling and Speed control of induction motor drives using neural networks', The Journal of Electrotechnics, Electronics, Automatic Control, Informatics, The Annals of "Dunarea De Jos" University of Galati. Fascicle III, Vol.33, No.1, pp.40-49, ISSN 1221-454X.
6. Sowmmiya. U and Jamuna V. (2010), 'Voltage Control Scheme for Three Phase SVM Inverter Fed Induction Motor Drive Systems', The Annals of "Dunarea De Jos" University of Galati. Fascicle III, Romania, Volume 33, No. 2, pp 48-53, ISSN 1221-454X.

7. Deivasundari. P and Jamuna. V (2011), 'A Z-Source Single Phase Matrix Converter with Safe Commutation Strategy', International Journal of Energy and Environment, Iraq, Volume 2, Issue 3, pp 579-588, ISSN 2076-2909.
8. Deivasundari. P and Jamuna. V (2011), 'Single Phase Matrix Converter as an 'All Silicon Solution'', Journal of Electrical Engineering, Romania Volume 11, Edition 2, pp 94-101, ISSN 1582-4594.
9. Sowmmiya. U and Jamuna. V (2011), 'Neural Network based Energy saving scheme for Induction Motor Drives with SVM Controller', International Journal on Electronic and Electrical Engineering, Scientific Engineering Research Corporation, ISSN 0974-2042, Vol. 15, Issue 1, pp 7-15.
10. Sommiya. U, Deivasundari. P, Jamuna. V and RamaReddy. S (2013), 'ANN-based voltage control scheme for three - phase SVM inverter fed induction motor drive systems', International Journal of Power and Energy Systems, Actapress, ISSN 0974-2042, Vol. 33, No. 1, pp 1-7.
11. Kiruthika.S, Gayathri Monicka.J and Jamuna.V (2013), 'Multicarrier Based Asymmetric Multilevel Inverte', International Journal of Engineering Science and Technology, e-ISSN : 0975 – 5462, p-ISSN: 2278-9510, Vol. 5, No. 04S, pp 1-9.
12. Rohini.G, Jamuna.V, Abirami.M and Ramprakash.R (2013), 'Modeling of Photovoltaic Array and Simulation of MPPT Algorithm', Advanced Materials Research Journal, Trans Tech Publications, Switzerland, Vol.768, pp 23-28.
13. V. Jamuna, Baskar M, Senthoor Selvam D (2014), Modeling and Simulation of PMSG Based WECS, Advanced Materials Research, TransTech Publications, Switzerland, Switzerland, Vol..984-985, pp 141-145.
14. V. Jamuna, N. Saritha, N. Nanthini (2014), Fault Analysis on Photo Voltaic Fed Grid Connected Systems, Advanced Materials Research Vol..984-985 (2014) pp 1013-1022.
15. G.Rohini, V.Jamuna, D.Priyadarsini (2014), Photovoltaic array under partial shading condition, for irrigation, Applied Mechanics and Materials Journal, Vol. 622 pp 141-145.
16. V.Karthikeyan, V.JAmuna and D.Rajalakshmi (2014), Interleaved Boost Converter for Photovoltaic Energy Generation, Applied Mechanics and Materials Journal, Vol. 622 pp 97-103.
17. V.Karthikeyan, V.Jamuna and A.James (2014), Multilevel Inverter for Hybrid Energy Generation System, Applied Mechanics and Materials Journal, Vol. 622 pp 127-131.
18. J.Gayathri Monicka, V.Jamuna, and K.Hemalatha (2014), Performance Estimation of Multicarrier Based Multilevel inverter, Applied Mechanics and Materials Journal, Vol. 622 pp 133-139.
19. N.Saritha, V.Jamuna and N.Nanthini (2014), Power Quality Problems in PV Fed Grid Connected Inverter, Applied Mechanics and Materials Journal, Vol. 622 pp 147-151.
20. M.Baskar, V.Jamuna, S.D.Senthoor (2014), Simulation and Modeling of SVM Based WECS with PMSG using Cuk Converter, Applied Mechanics and Materials Journal, Vol. 622 pp 153-161.
21. A.Jamna, V.Jamuna and R.R.Sathy (2014), Three phase matrix converter for variable speed wind energy system, Applied Mechanics and Materials Journal, Vol. 622 pp 181-190.
22. R.Sivaprasad and V.Jamuna (2014), VSI-Fed Induction motor drive for Photovoltaic pumping, Applied Mechanics and Materials Journal, Vol. 622 pp 199-204.
23. S.Sasikala and V.Jamuna (2014), Z Source inverter for Drive Applications, Applied Mechanics and Materials Journal, Vol. 622 pp 205-209.

24. S.Sasikala, V.Jamuna, R.Revathi and G.Shanmugapriya (2014), Implementation of Fuzzy Logic Controller to improve dynamic performance of DC-DC Boost converter, International Journal of Scientific & Engineering Research, Vol.5, Issue 4 pp 118-121
25. A.Jamna, V.Jamuna and R.R.Sathy (2015), Control of Three Phase to Three phase Matrix Converter – A Direct Transfer Function Approach, Lecture Notes in Electrical Engineering Journal, Springer Publications, DOI 10.1007/978-81-322-2119-7_37, pp 361-371.
26. J.Gayathri Monicka, V.Jamuna, and K.Hemalatha (2015), A New Approach for Torque Ripple Minimization of PMBLDC Motor Drive, Lecture Notes in Electrical Engineering Journal, Springer Publications, DOI 10.1007/978-81-322-2119-7_29, pp 285-293.
27. Jamuna Venugopal and Gayathri Monicka (2015), Hybrid Cascaded MLI totopolgy using Ternary Voltage Progression Technique with Multicarrier Strategy, Journal of Electrical Engineering & Technology, Korea, Vol. No.10 (4), pp 1611-1621.
28. Jamuna Venugopal and Gayathri Monicka (2015), Multi Carrier based Multilevel Inverter with Minimal Harmonic Distortion, International Journal of Power Electronics and Drives Systems, Indonesia, Vol 6, No.2, pp 356-361.
29. J.Gayathri Monicka and V.Jamuna (2017), Optimal Switching Strategy of Level Shifted Carrier Based PWM Technique for Assymmetric Multilevel Inverter, International Journal of Engineering Science, Elsevier Singapore, Vol. 113, Accepted for Publication.
30. Jamuna V, Saritha N, Anuja prashathi Diwan (2015), Automatic sun tracker system, Journal of chemical and pharmaceutical sciences, pp.238-241.
31. J.Gayathri Monicka and V.Jamuna (2016), Control of ternary voltage progression based cascaded multilevel inverter using classy split multicarrier pulse width modulation, Turkish journal of Electrical Engineering and computer sciences, Turkey, Vol. No.24, pp 3910-3923.
32. V.Jamuna and G.Rohini (2016), PLL Based Energy Efficient PV System with Fuzzy Logic Based Power Tracker for Smart Grid Applications, The scientific World Journal, Hindawi Publishing Corporation, Volume 2016, Article ID 2708075, pp 1-20
33. S.Sasikala, V.Jamuna and R.Saranya (2016), Implementation of ACO Techniques in high voltage gain converter for SPV System under partial shading condition, International Journal of Control Theory and Applications, International Science Press, Vol 9 (2), pp 809-819.
34. V.Karthikeyan and V.Jamuna (2016), Hybrid control strategy for BCD topology based modular multilevel inverter, Journal of circuits and systems, Scientific research publishing, Vol. No.7, pp 1441-1454.
35. N.Saritha and V.Jamuna (2016), A SRF-PLL control scheme for DVR to achieve grid synchronization and PQ issues mitigation in PV fed grid connected system, Journal of circuits and systems, Scientific research publishing, Vol. No.7, pp 2996-3015.
36. G.Rohini, V.Jamuna, J.Cynthia nance and A.Jenifer (2016), Hybrid control strategy to enhance the performance of photo voltaic system, Pakistan Journal of Biotechnology, Vol. No. 13, pp 415-420.
37. R.Asha, N.Saritha and V.Jamuna (2016), Design and simulation of PV fed Grid connncected sysem with ZCD, Pakistan Journal of Biotechnology, Vol. No. 13, pp 99-102.

38. A.Jamna and V.Jamuna (2016), Hybrid control strategy for Matrix converter fed Wind Energy Conversion System, Journal of circuits and systems, Scientific research publishing, Vol. No.7, pp 3038-3053.
39. A.Jamna and V.Jamuna (2016), AC-AC mobile utility power unit using Matrix converter, International Journal of Advanced Engineering Technology, Vol. No.VII, Issue II, pp 1056-1060.
40. N.Saritha, V.Jamuna and D.Celin (2016), Analysis and implementation of semi Z source inverter for PV systems, Journal of electrical engineering, Volume 16, Edition 4, pp 265-272, ISSN 1582-4594.
41. N.Saritha and V.Jamuna (2016), Enhancing power quality on solar grid connected system using multi level inverter and dynamic voltage restorer, Journal of electrical engineering, Volume 16, Edition 4, pp 189-202, ISSN 1582-4594.
42. M.Baskar and V.Jamuna (2016), Green Energy Generation using FLC based WECS with Lithium Ion Polymer Batteries, International Journal, Brazilian Archives of Biology and Technology, Volume 59, e161013, pp 1-15, ISSN 1678-4324.
43. E.S.Jayashree, V.Karthikeyan and V.Jamuna (2105), Phase Disposition PWM based Multilevel Inverter with Reduced Number of Switches, International Journal of Applied Engineering Research (IJAER), Vol.10, N0.42, Research India Publications, pp 30852-30856.
44. V.Karthikeyan and V.Jamuna (2017), Phase Disposition PWM based Reduced switch Reverse Voltage Multi Level Inverter, Advances in Natural and Applied Sciences, AENSI publications, ISSN – 1995-0772, Vol 11(7), pp 190-199.
45. V.Karthikeyan and V.Jamuna (2017), Multilevel Inverter with Reduced Number of Switches for Solar Energy Generation, International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS), Vol.VI, Issue VI, ISSN 2278-2540, pp 113- 116.
46. R.Sivaprasad and V.Jamuna (2017), Direct Torque Control of Z source Inverter fed Three Phase Induction Motor Drive, Journal of Computational and Theoretical Nanoscience, Americal Scientific Publishers, Vol 14, pp 4045 – 4052.
47. V.Jamuna S.Sivajothi Kavitha M.Karthick Sharan, S.M.Aswin and C.Gopinath, (2017), An integrated sensor network to enhance the performance of gully pot monitoring, International Journal of Advanced Research Management, Architectutre, Technology and Engineering, Vol. 3, Special Issue 13, pp 48 -52.
48. V.Jamuna and S.Sasikala (2017), Perofrmance enhancement of Photo Voltaic System using Ant colony optimization Modus operandi with high voltage gain boost converter, Journal of Computational and Theoretical Nanoscience, Americal Scientific Publishers, Vol 14, pp 4406 – 4415.
49. V.Jamuna and G.Rohini, (2017), PV fed Bidirectional Converter for Battery Charging Application, Journal of Advanced Research in Dynamical and Control Systems, 11-Special Issue, pp 645-660.
50. V.Jamuna and N.Saritha, (2017), Design and Implementation of Multi-level DC – DC Power Converter for DC Grid Applications, Journal of Advanced Research in Dynamical and Control Systems, 11-Special Issue, pp 620-627.
51. V.Jamuna, Y.Rekha, B.Divya Barathi, V.Harini and V.Nivedita, (2018), Control strategies for parallel buck-boost converter, International Journal of Scientific Research and Review, Volume 7, Issue-4, pp 150-155, ISSN No. 2279-543X.
52. V.Jamuna, S.Sivajothi Kavitha, Samuel Benkins, P.Nagarajan and S.Narendran, (2018), “A Monotonous Cybord for an Assesment of solid waste management in multi storied buildings”, International Journal of Scientific Research and Innovations III, ISSN 2455-7579, pp 7 – 12.

53. V.Jamuna, Karthikeyan.V (2019), "A simplified optimal THD modulation Algorithm for Multi-Level Inverter with Reduced Components" in the International Journal of Recent Technology and Engineering, volume 7, Issue-52, ISSN No:2277-3878, page No:200-204.
54. V.Jamuna, Rathnavel K and Selvasundar (2019), "Government Bus Tracking with Passenger Details" in the International Journal of Recent Technology and Engineering, volume 8, Issue-2S5, ISSN No:2277-3878, page No:99-102.
55. V.Jamuna, S.Sivajothi Kavitha and K. Hemalatha (2019), "A Real-Time Smart Dumpsters Monitoring and Garbage Collection System Using IoT" in the International Journal of Recent Technology and Engineering, volume 8, Issue-2S5, ISSN No:2277-3878, page No:85-89.
56. V. KarthikeyanI. William Christopher, V. Jamuna (2020), "Nine Level Symmetrical Modified Multi-Level Cascaded H-Bridge Inverter", in the International Journal of Advanced Science and Technology, volume 29, Issue-7, ISSN No: 2005-4238, page No: 2532-2537.
57. V. Jamuna, Ms.J.Anslin, (2020), "Android app based Home Automation using IoT", in the International Journal of Scientific Research in Engineering and Management, volume 4, Issue-5, ISSN No: 2582-3930, page No:1-4.
58. V. Jamuna, Ms.D.Usha, (2020), "A Fall Based Pelvic Bone Protector", in the International Journal of Scientific Research in Engineering and Management, volume 4, Issue-6, ISSN No: 2582-3930, page No:1-5.

National Journal

1. Ms. V. Jamuna and Dr. S. Rama Reddy (2009) "Neural Network based Speed Control for Induction Motor Drives" i-manager's Journal of Electrical Engineering, Vol. No. 3, No.2, 23-31.

International Conferences

1. Jamuna. V. and Rama Reddy. S. (2008), 'Neural Network controlled Energy Saver for Induction Motor Drive', International conference on Power Electronic Drives and Power systems (POWER COIN 2008), Sona institute of technology, Salem,pp.36 – 37.
2. Deivasundari. P and Jamuna. V (2010), 'A Z-Source Single Phase Matrix Converter with Safe Commutation Strategy', International conference on Power, Control and Embedded Systems, Anna University, Chennai, pp. 197-202.
3. Sowmmiya. U an Jamuna V. (2011), 'Voltage Control Scheme for Three Phase SVM Inverter Fed Induction Motor Drive Systems', International conference on Electrical Energy Systems, SSN College of Engineering, Chennai, IEEE Explorer 978-1-61284-379-7/11, pp 207-211.
4. Deivasundari. P and Jamuna. V (2011), 'Single Phase Matrix Converter as an 'All Silicon Solution'', International conference on Electrical Energy Systems, SSN College of Engineering, Chennai, IEEE Explorer 978-1-61284-379-7/11, pp. 86-91.
5. Sudhahar R and Jamuna V (2011), 'A Review of pioneer Fiction Realization of Embedded Core FPGA Based Control of Single Phase to Three Phase SVPWM Converter for Electrical Drives', International Conference of Communication Technology and System Design, Amrita Institute of Technology, Procedia Engineering-Elsevier explorer, pp 714-722.

6. Mahalakshmi G., Jamna A and Jamuna V (2012), 'A Single Phase Matrix Converter for AGPU', IEEE International Conference on computing Electronics and Electrical technologies, Noorul Islam Centre for Higher Education, IEEE Explorer 978-1-4673-0210-4/12, pp. 224-231.
7. Preethi G., Gayathri Monicka J and Jamuna V (2012), 'Digital Simulation of MCPWM Strategy for Multi Level Inverter', IEEE International Conference on computing Electronics and Electrical technologies, Noorul Islam Centre for Higher Education, IEEE Explorer 978-1-4673-0210-4/12, pp. 509-514.
8. Jenifer A., Rohini G and Jamuna V (2012), 'Development of MATLAB simulink model for photovoltaic arrays', IEEE International Conference on computing Electronics and Electrical technologies, Noorul Islam Centre for Higher Education, IEEE Explorer 978-1-4673-0210-4/12, pp. 436 - 442.
9. Newlin Nisha, Rohini G and Jamuna V (2012), 'Digital Simulation of a Single and Interleaved Soft Switching Boost Converter for Photovoltaic Array', IEEE International Conference on computing Electronics and Electrical technologies, Noorul Islam Centre for Higher Education, IEEE Explorer 978-1-4673-0210-4/12, pp. 307-313.
10. Sathish Balan.P., Jagannathan.V., Mahalakshmi.G Jamuna. V (2012), 'A single phase matrix converter based AC-AC mobile utility power unit', International conference on Recent trends in Engineering Management and Computer Application, Pallavan College of Engineering, Chennai, pp.73-79.
11. Rohini.G and Jamuna.V, (2012) 'Dynamic Analysis of positive output super lift converter', IEEE International Conference on Power Electronics , Drives and Energy Systems, Bengaluru, India, IEEE Explorer, DOI : 10.1109/PEDES.2012.6484493, pp 1-5
12. Kiruthika.S, Gayathri Monicka.J and Jamuna.V(2013), 'Multicarrier Based Asymmetric Multilevel Inverte', International Conference on New Horizons in Green Energy with smart communication systems, Arunai College of Engineering (01&02 -02-2013), pp.23.
13. Abiramai.M, Rohini.G and Jamuna.V (2013), 'High Efficiency Soft-Switched Interleaved Boost Converter with INC MPPT in PV systems', International Conference on Computation of Power, Energy, Information and Communication, Adhiparasakthi Engineering College, IEEE Explorer ISBN: 978-1-4673-6406-5/13, pp 1-7.
14. Celin.S, Saritha.N and Jamuna.V (2013), 'Analysis and Simulation of Semi Z-source Inverter for PV Systems', International Conference on Computation of Power, Energy, Information and Communication, Adhiparasakthi Engineering College, IEEE Explorer ISBN: 978-1-4673-6406-5/13, pp 1-7.
15. Sudhakar.V, Saritha.N and Jamuna.V (2013), 'Two Inductor Boost Converter with Single Resonant Cell for PV Modules', International Conference on Advanced Computing, Machines and Embedded Technology, JKKN College of Engineering and Technology, ISBN: 978-93-80757-74-2, pp 485-493.
16. Abhilasha Singh, Suganthi Mary.S , Rohini. G and Jamuna. V, (2013) 'PV Array fed SEPIC Converter for Irrigation System', International Conference in Magna on Emerging Engineering Trends, Chennai, pp 229-233.
17. Hemalatha.V, Gayathri Monicka.J and Jamuna.V, (2014), 'Photo Voltaic fed Symmetric Multilevel Inverter with Multicarrier Topology', International Conference on Solar & Biomass Energy, GKM College of Engineeringand Technology, (07&08 -01-2014), pp.45-52. **(Received Best Paper Award).**
18. Nanthini.N, Saritha. N and Jamuna.V, (2014), 'Performance Evaluation of Photo Voltaic fed Grid Connected System', International Conference on Solar &

Biomass Energy , GKM College of Engineeringand Technology, (07&08 -01-2014), pp 19-25.

19. V. Jamuna, V. Karthikeyan, D. Rajalakshmi, (2014), Interleaved Boost Converter for Photovoltaic Energy Generation, International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering, PP.51-55.
20. V. Jamuna, V. Karthikeyan, Abisha James (2014), Multilevel Inverter For Hybrid Energy Generation System, International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering, PP.56-60.
21. V. Jamuna, S. Rama Reddy, Jamna A, (2014), Three Phase Matrix Converter for Variable Speed Wind Energy Systems, International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering, PP.67-70.
22. Jamuna V Sivaprasad R , (2014), VSI- Fed Induction Motor Drive for Photovoltaic Pumping International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering .PP.81-84.
23. V. Jamuna, J.Gayathri Monicka, K.Hemalatha, (2014), Performance Estimation of Multicarrier Based Multilevel Inverter, International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering .PP.85-89.
24. Jamuna V Baskar M Senthoor Selvam D, (2014), Simulation and Modeling of SVM based WECS with PMSG using Cuk Converter, International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering .PP.132-137.
25. V.Jamuna, N.Saritha, N.Nanthini, (2014), Power quality problems in photovoltaic grid connected inverter, International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering .PP.169-172.
26. V. Jamuna, S. Sasikala, (2014), Z-Source Inverter for Drive Applications, International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering, PP. 6-9.
27. V. Jamuna, G.Rohini, D.Priyadarshini, (2014), Photovoltaic Array under Partial shading condition for irrigation, International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2014), Jerusalem College of Engineering, PP. 173-176.
28. Jamuna, J.Gayathri Monicka, K.Hemalatha, (2014), A New Approach for Torque Ripple Minimization of PMBLDC Motor Drive, International Conference on Power Electronics and Renewable Energy System (ICPERES- 2014), Rajalakshmi Engineering College.
29. V. Jamuna, S. Rama Reddy, Jamna A , (2014), Control of three phase to Three phase matrix converter a Direct transfer function Approach, International Conference on Power Electronics and Renewable Energy System (ICPERES-2014),Rajalakshmi Engineering College.
30. V. Jamuna, Baskar M, Senthoor Selvam D, (2014), Modeling and Simulation of PMSG Based WECS, International Conference on Recent Advances in Mechanical Engineering and Interdisciplinary Developments (ICRAMID-2014), Ponjersly College of Engineering.
31. V. Jamuna, N. Saritha, N. Nanthini, (2014), Fault Analysis on Photo Voltaic Fed Grid Connected Systems, International Conference on Recent Advances in

Mechanical Engineering and Interdisciplinary Developments (ICRAMID-2014), Ponjersly College of Engineering.

32. V. Jamuna, Baskar M, Senthoor Selvam D(2014), Closed Loop Control of PMSG-Based Wind Energy Conversion System, Proceedings of International Conference on Electrical, Communication and Computing, (ICECC - 2014),Tagore Engineering College, PP. 528-536.
33. V. Jamuna, S. Sasi Kala, T. Mani Mohan (2014), Experimental analays of permanent magnet brushless DC Motor drive using Z - source inverter, Proceedings of International Conference on Electrical, Communication and Computing, (ICECC – 2014), Tagore Engineering College, PP. 240-253
34. V. Jamuna, S. Sasikala, G. Shanmugapriya, R. Revathi(2014), Implementation of Fuzzy Logic Controller to Improve Dynamic Performance of Dc-Dc Boost Converter, Proceedings of International Conference on Electrical, Communication and Computing, (ICECC – 2014), Tagore Engineering College, PP. 612 – 616.
35. V. Jamuna, G.Rohini, M.Abirami, R.Ramprakash, Modeling of Photovoltaic array and simulation of MPPT algorithm, International conference on Recent Advances in electrical Engineering, Ponjersly College of Engineering.
36. Jamuna, J.Gayathri Monicka, (2014), Optimal Switching Strategy of Level shifted Carrier based PWM Technique for Asymmetric Multilevel Inverter, International Conference on Inter Disciplinary Research in Engineering & Technology, (ICIDRET 2014), Professional Group of institutions, Palladam, 21&22.08.2014, pp 146,151.
37. S.Sasikala, V.Jamuna and M.Vijayakumar (2015), 'Analysis of Photovoltaic system under partial shading condition with KY converter', International Conference on Electrical, Electronics and Computer Engineering, Vivekanandha college of Engineering for women, ,11th and 12th March 2015.
38. G.Rohini, V.Jamuna, A.Vignesh Guru, Vigneswaran K and Niharika Singh (2015), 'Computation of Maximum Power Poing using energy efficient interleaved converter fed by PV system for Aerospace applications', International Conference on Electrical, Electronics and Computer Engineering, Vivekanandha college of Engineering for women, ,11th and 12th March 2015.
39. N.Saritha, V.Jamuna, B.Subalakshmi, A.Rajeshwari, H.M.Sahul Hameed and R.Muralidharan,(2015) 'Enhancing power quality on solar grid connected system using multi-level inverter and dynamic voltage restorer', International Conference on Electrical, Electronics and Computer Engineering, Vivekanandha college of Engineering for women, ,11th and 12th March 2015.
40. V.Jamuna, J.Gayathrimonicka, R.Sumathi, A.Vignesh Guru and K.Vigneswaran (2015), International Conference on Electrical, Electronics and Computer Engineering, Vivekanandha college of Engineering for women, ,11th and 12th March 2015.
41. A.Jamna, V.Jamuna and K.S.Sandheep (2015), 'AC-AC mobility utility power unit using matrix converter', International Conference on Electrical, Electronics and Computer Engineering, Vivekanandha college of Engineering for women, ,11th and 12th March 2015.
42. N.Saritha, V.Jamuna (2015), 'Automatic Sun tracker system', International conference on science, technology, engineering and management, Jeppiaar Engineering College, Chennai, 26th March 2015.
43. G.Rohini, V.Jamuna, J.Cynthia nancy and A.Jenifer (2016), 'Hybrid control strategy to enhance the performance of photo Voltaic system', International conference on Innovations in information Embedded and Communication Systems, Karpagam College of Engineering, Coimbatore, 17th – 18th March 2016, pp 586-592.

44. R.Asha, N.Saritha and V.Jamuna, (2016) 'Design and simulation of PV fed Grid connected system with ZCD', International conference on Innovations in information Embedded and Communication Systems, Karpagam College of Engineering, Coimbatore, 17th – 18th March 2016, pp 432-437.
45. S.Sivaprasad and V.Jamuna (2016), "Dual stator Induction Motor Drive", International conference on Emerging Trends in Engineering & Technology, Arunachala College of Engineering for women, Manavilai, Vellichanthai, Kanyakumari, 9th and 10th December 2016.
46. G.Rohini and V.Jamuna (2017), " Hysteresis current controller based three stage interleaved converter for standalone PV system", International conference on Emerging Trends in Science, Engineering and Technology, Jerusalem College of Engineering, Chennai, 17th and 18th March 2017.
47. M.Monisha, R.Manimegalai, G.Logesh, N.Saritha and V.Jamuna (2017), "Design and simulation of three phase multilevel inverter for PV system", International conference on Emerging Trends in Science, Engineering and Technology, Jerusalem College of Engineering, Chennai, 17th and 18th March 2017.
48. Aniceta Manjari.A, Keerthana Devi.P, Gopi Karthik.R, N.Saritha and V.Jamuna (2017), "Design and implementation of Multilevel DC-DC Power Converter for DC Grid Applications", International conference on Emerging Trends in Science, Engineering and Technology, Jerusalem College of Engineering, Chennai, 17th and 18th March 2017.
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