

Faculty Profile

Name: Dr. J.Praveen

About me:

Dr. J Praveen has done his PhD from Osmania University in power electronics, Hyderabad. His research work carried out at BHEL Research and Development Center with support of University Grants Commission (UGC) junior research fellowship (JRF). He is contributing to a major research area in Power Electronics and has published more than 50 research papers in reputed International and National Journals and Conferences. His core competency and contemporary knowledge relevant to power electronics and power systems contributing to become proficient and helping them in their carrier building in power electronics sector. He has utilized his experience in academics in compiling Laboratory Manuals and designing course modules.

He is Registered PhD Guide at Department of Electrical and Electronics Engineering, J.N.T University, Hyderabad. He is presently guiding eight scholars of PhD. He has International Certification on “High Impact Teaching Skills” by Dale Carnegie & Associates Inc. Trainers (USA), Mission 10x and Wipro Technologies 7th & 8th March, 2011.

He is Certified Master Trainer for Wipro Mission 10X for MxLA1 & MxLA2 (Mission 10X Learning Approach) by Wipro Technologies, Bangalore. He has International certification on Mission 10x advanced learning approach from Wipro Technologies. He has Cambridge International Certification for Teachers and Trainers (CICTT) with Distinction awarded on 24-11-2011. MIEEE-Member, MIE – Life Member, ISTE Life. Honor Code Certificate in course Circuits and Electronics 6.002X an online learning initiative offered by Massachusetts Institute of Technology, USA (MIT) with ‘A’ Grade through edX.

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Courses Taught: FACTS, Solar wind and Energy, Analysis of Power electronic converters , Power Electronics,

Sponsored Projects:

Design of 250kVA Dynamic Voltage Restorer for Power Quality Improvement, Young Scientist, DST, MHRD, Government of India.

Completed Projects: Design of 250kVA Dynamic Voltage Restorer for Power Quality Improvement, Young Scientist, DST, MHRD, Government of India.

Publications:

1. **Dr J Praveen,**” *Reduced Number of Power Switches in Multi level Inverter using SPWM Technique to Mitigating for Sag and Swell*”, published in International Journal of Applied Engineering Research and Development(IJAERD), ISSN(P):2350-1584,ISSN(E):2278-9383, Vol.8,Issue 1,Feb 2018, 1-10.
2. KK Jain, **Dr J Praveen,**”*Indian Initiative in Adoption of Smart Grid Technology, A Case Study of Puducherry First Pilot Project*”, published in Anveshana’s International Journal of Research in Engineering and Applied Sciences-AIJREAS, Vol 1, Issue 1, 2016 Jan, pp 9-17, ISSN-2455-6300.
3. Vinay Kumar Awaar, **Praveen Jugge,** Tara Kalyani S, “*Field Test of Cost Effective Voltage Source Inverter For Driving An Induction Motor*”,published in **IEEE Explorer Digital Library**, IEEE INDICON 2015 1570203957, 978-1-4673-6540-6/15/\$31.00 ©2015 IEEE.
4. N.Eashwaramma, **J.Praveen** , M.Vijaya Kumar, “ *Modelling and Design of Cascaded 9 Level Voltage Source Converter based DVR for Mitigating the Voltage Sag, Swell, Harmonics, Transients and Flickers in Distributed Power System*”, published in IOSR Journal of Electrical and Electronics, e-ISSN: 2278-1676,p-ISSN: 2330-3331, Volume 10, Issue 3 Ver.IV (May-Jun.2015), PP 40-49, www.iosrjournals.org
5. N.Eashwaramma, **J.Praveen** , M.Vijaya Kumar, “ *Modelling and Simulation of DVR with Multilevel Inverter to Mitigate the Sag, Swell and Harmonics*”, International Journal of Scientific and Engineering Research, Volume 6, Issue 5, May-2015, ISSN 2229-5518, PP 406-411, www.ijser.org
6. Vinay Kumar. A, **Dr. J Praveen,** Dr. S Tarakalyani “*PQ Improvement By Moderation of Multi-Level Inverter Controlling Techniques And Intensifying The Performance of DVR*” published in International Journal of Advances in Electrical and Electronic Engineering (AEEE) journal in the month of June 2015 with the **Vol.13 No.2 (2015)** page no.s from 107-114.
7. N. Srinivasa Raoa , Dr. A. Selwin Mich Priyadharsonb , **Dr. J. Praveen,**” *Simulation of Artificial Intelligent controller based DVR for power quality improvement*”, published in ELSEVIER International journal of procedia Computer Science 47 (2015) 153– 167, Available online at www.sciencedirect.com.
8. N.Srinivasa Rao, **Dr J.Praveen,** Dr K.Rajan “*A New Multifunctional DVR for Compensation of Voltage Sag*”, published in International Journal of Electrical, Electronics and Telecommunications Engineering ISSN: 2051-3240, Vol.45,2014 Special Issue.1 – pp 526-531
9. DCK Reddy, **J.Praveen,**” *Kalman Filter Based Unified Power Quality Conditioner For Output Regulation*”, published in international journal on Advances in Electrical and Electronic Engineering, Vol 4, No.3, 2014, Research India Publications PP 247-252. ISSN 2231-1297
10. K Hussain, **J Praveen,** “*A Seven Level Cascaded Multilevel Inverter Based Dynamic Voltage Restorer*”, Published in International Journal of Electrical, Electronics and Telecommunication Engineering, ISSN: 2051-3240, Vol.44, Issue.1, March 2013, pp. 1121-1129.
11. Dr DP Kothari, **Dr J Praveen,** KK Jain “*Adoption of Synchrophasor Technology in Indian Grid Failures & Blackouts*”, published in the International Journal of

International Organization of Scientific Research (IOSR-JECE), ISBN:2278-8735.PP01-10. 2013.

12. K Hussain, **J Praveen**, "**Power Quality Improvement, Thd Analysis Using Dstatcom For Low Voltage System**", Published in International Journal of Electrical and Electronics Engineering Research, Volume: 3, Issue: 1, March 31, 2013, pp.175-188.
13. N.Srinivasa Rao, **J.Praveen** "**Design and Simulation of New Z Source Inverter for Improving Voltage Quality**", published in the International Journal of Electrical and Electronics Engineering Research (IJEEER), Vol.3, Issue 3, Aug 2013, 151-160. ISSN 2250-155X
14. P.N.K.Sreelatha, **J.Praveen**, V.Kamaraju "**Voltage Compensation Using D-Statcom under Unsymmetrical Faults in Distribution Systems with Static Power Converter Fed Dc Motor Load**" published in International Journal of Engineering Research and development (IJERD) ,e-ISSN: 2278-067X, p-ISSN : 2278-800X, Volume 5, Issue 4 (December 2012), PP. 27-34.
15. K Hussain, **J Praveen**, "**Voltage Sag Mitigation Using Distribution Static Compensator System**", Published in International Journal of Engineering and Technology, Volume 2, No.5, May, 2012, pp.756-760.
16. P.N.K.Sreelatha, **J.Praveen**, V.Kamaraju "**Voltage sags in Distribution Systems with Induction motor loads fed by Power converters and voltage mitigation using DVR and DSTATCOM**" published in International Journal of Electrical Engineering (IJEE) journal ISSN0974-2158 Volume 5, Number 7 (2012), pp. 889-901.
17. K Hussain, **Dr J Praveen**, "**Power Quality Enhancement Using Vsc based dstatcom**", research paper has been accepted for publication in the International Journal of Engineering and Technology, ISSN 2049 3444, Vol 2, No.1, January ,2012 pp 93-98.
18. **Dr J Praveen**, A Vinay Kumar, "**Power Quality Improvement with Dynamic Voltage Restorer using Direct Power Control Strategies**" published in International Journal of Electrical, Electronics and Computing Technology pp 20-25 Volume -1, Issue-2, January-April 2011. ISSN 2229-3027.
19. S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar, and **J.Praveen**, "**Direct Power Control Strategies For Multilevel Inverter Based Custom Power Devices**" published in the International Journal of Electrical and Systems Science, and Engineering, Volume 1 Number 2, Page no. 94-102. Year 2009.
20. S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar, and **J.Praveen**, "**Virtual Flux Direct Power Control using Space Vector Modulation**", accepted for publication in the International Journal of Electrical and Systems. Year 2009.

National Journals:9

1. K.K.Jain ,Dr.D.P.Kothari,**Dr.J.Praveen**, "**Indian Smart cities Programme its Challenges and solutions**" IJCERT 2016
2. K.K.Jain ,Dr.D.P.Kothari,**Dr.J.Praveen**, "**Indian Smart cities Programme for 100 cities on International Standards Prospectives & Challenges**" GJESRM 2016
3. Vinay Kumar A, **J.Praveen**, S.Tarakalyani "**Various Power Quality Issues: Measurement of Flicker and Mitigation of Voltage Sag**", published in the National Journal of Technology, Vol.10, No.3, September, 2014, pp 49 -55. ISSN 0973-1334.

4. Rajender Reddy K, **Dr J Praveen**, M.Sushma “*Simulation Study of Indirect Current Control Technique for Shunt Active Filter*”, published in National Journal on Electrical Power Engineering and Industrial Drives (NJEPEID) Volume-1,Number-2, July-Aug,2012. ISSN2231-590X page no’s 152-158.
5. K Roopa, **Dr J Praveen**, Dr S Tara Kalyani, “*DPFC for Power flow Control in Transmission System*”, published in National Journal on Electrical Power Engineering and Industrial Drives (NJEPEID) Volume-1,Number-2, July-Aug,2012. ISSN 2231-590X pageno’s 178-185.
6. A Vinay Kumar, **Dr J Praveen**, Dr S Tara Kalyani, “*Adoption of Direct Power Control Strategy for Enhancement of Dynamic Voltage Restorer*”, published in National Journal on Electrical Power Engineering and Industrial Drives (NJEPEID) Volume-1,Number-2, July-Aug,2012. ISSN 2231-590X page no’s 200-205.
7. **Dr.J.Praveen**, K.K. Jain, “*Electricity-HVDC-Challenges*” Published in the proceedings of 97th Indian Science Congress, 2-7th Jan 2010, **Thiruvananthapuram**, Kerala, India.
8. **Dr.J.Praveen**, K.K. Jain, “*Power Quality Issues-Suggested Solutions*” Published in the proceedings of 97th Indian Science Congress, 2-7th Jan 2010, **Thiruvananthapuram**, Kerala,India.
9. **Dr. J.Praveen**, K.K.Jain“*Power generation in India :Vision year 2022 &Expected contribution of Nuclear power and safe its waste disposal methods*” paper has been selected for Poster display during the 98th Indian Science Congress [www.isc2011.in] inSRM University, Kattankulathur, Tamilnadu, January 3 to 7, 2011

Conference Proceedings

National conferences:39

1. P.Sharat Chandra, **J.Praveen**, A.Vinay Kumar, “ *Design and Implementation of Three Phase Inverter Fed Induction Motor*”, published in the proceedings of National Conference on Innovations and Design Challenges in Electrical and Medical Electronics, 21-22nd , Aug,2015, held at GRIET, Hyderabad. Pp 92-96. ISBN:978-1-944541-82-8.
2. L.Sravan Kumar, A.Vinay Kumar, **J.Praveen**,” *Mitigation of Voltage Sag to Improve Power Quality by Dynamic Voltage Restorer*”, published in the proceedings of National Conference on Innovations and Design Challenges in Electrical and Medical Electronics, 21-22nd , Aug,2015, held at GRIET, Hyderabad. Pp 97-103.ISBN:978-1-944541-82-8.
3. “*Indian Initiative in Adoption of Smart Grid Technology, A Case Study of Puducherry First Pilot Project*”, Mr KK Jain, Dr. Kothari, **Dr J .Praveen**, Published in the Proceedings of National Conference on Innovative Research in Engineering and Technology organized on 25-04-2015 at Dr KV Subba Reddy Institute of Technology, Kurnool, Andhra Pradesh, ISBN : 978-1-63415-634-9, (pp347-355)
4. Kiran Kumar Jain, **Dr J Praveen**, “*Role of Engineers in Development of Telangana State as Energy Surplus Power State Utilizing Modern Technology*”, published in the proceedings of National Conference on Role of Engineers in the Development of New State of Telangana(NC-REDNeST), organized under TEQIP-II by Chiatanya Bharathi Institute of Technology, Hyderabad(pp 55)

5. Dr.P.Kothari, **Dr. J.Praveen**, K.K.Jain, *“Modernization of Indian Grid System by Developing Ultrafast Measurement System Known as SynchroPhasors Technology Using GPS in PMU’s to Avoid System Failure”*, published in the proceedings of National Conference on Advanced research methodologies in Electrical Engineering(ARMEE-2013), June 27th& 28th ,2013, Under TEQIP-II, Madanapalle Institute of Technology and Science, Madanapalle, Chittoor, Andhra Pradesh. .
6. **Dr.J.Praveen**, *“Dynamic Voltage Restorer–Different Topologies”* , Published in ISTE-sponsored National Conference on Non-conventional Energy Sources, 17th November,2009,Gudlavallur College of Engineering. A.P.
7. Vinaykumar.A,**Dr.J.Praveen**, Dr.S.Tarakalyani *“Measurement of Voltage Filcker and Mitigation of Voltage Sag to improve the power Quality”* presented at National Conference on “Power Quality and Industrial Drives” conducted by Sreenidhi Institute of Science and Technology ,Hyderabad,July12-13th 2013.
8. P.N.K.Sreelatha, **J.Praveen**, V.Kamaraju *“Improvement of Power quality in 11KV/400V Distribution Systems Using D-STATCOM under Open-Conductor and Shortcircuit faults”* National Conference On Emerging Trends In Engineering Applications 15th March, 2012 at Alhabeeb college of Engineering and Technology, Hyderabad.
9. Vinay Kumar, **Dr J Praveen**, Dr S Tara Kalyani, *“Adoption of Direct Power Control Strategy for Enhancement of Dynamic Voltage Restorer”* presented at a National Conference on Electrical Power Engineering and Industrial Drives during May 18-19,2012 Organized by Sreenidhi Institute of Science and Technology (Autonomous), Hyderabad.
10. **Dr J Praveen**, *“Digital Control System applications in Improvement of Power Quality-Digital Simulation of Dynamic Voltage Restorer”*, presented at a two day National level workshop on Control Systems applications to Power Electronics Drives and Systems-(CSPEDS-2012) on 31st March-1st April 2012, under TEQIP-II at Malla Reddy Engineering College, Secunderabad.
11. **Dr J Praveen**, *“Direct Power Control Strategy in the DVR for enhancing power quality”* presented at a National Conference on Electrical Power Engineering and Industrial drives during May 18-19,2012 Organized by Sreenidhi Institute of Science and Technology(Autonomous), Hyderabad.
12. Rajender Reddy K, **Dr J Praveen**, M.Sushma *“Simulation Study of Indirect Current Control Technique for Shunt Active Filter”* presented at a National Conference on Electrical Power Engineering and Industrial Drives during May 18-19,2012 Organized by Sreenidhi Institute of Science and Technology (Autonomous), Hyderabad.
13. **Dr J Praveen**, *“Power Quality with Dynamic Voltage Restorer using different PWM patterns”*, presented at a two day faculty development workshop Feb12&13th, Dept. of Electrical and Electronics Engineering, Malla Reddy Engineering College.
14. **Dr J Praveen**, *“Overview on power quality, Simulation and validation of custom power devises”*, presented at a one day workshop on Recent Trends in Power Systems on 5th July, 2011 at, Hi-Tech College of Engineering and Technology, Hyderabad-75.
15. **Dr J Praveen**, *“Space vector PWM controlled Dynamic Voltage Restorer to mitigate missing voltage”*, presented one day workshop on power quality on 16th Sept,2011 at Narshimha Reddy Engineering College Maisamma Guda, Dhualapally, Secunderabad-500014.

16. **Dr.J.Praveen**, “*Recent trends and advancements in Custom Power Devices andFACTS*”, presented at one day workshop on Power Quality on 27th Oct, 2011, Department of Electrical and Electronics Engineering, Hyderabad Institute of Technology and Management(HITAM, Formerly Royal College of Engineering.) Medchal, (R.R. Dist.), Hyderabad-501401.
17. **Dr.J.Praveen**, “*Overview on Custom Power Devices and Flexible AC transmission systems*”, presented at Azura 2011, 29th and 30th two day conference Department of Electrical and Electronics Engineering, CMR College of Engineering and Technology, Medchalroad, Hyderabad-501401.
18. **Dr. J.Praveen**, “*Advanced technologies in custom power devises and Power Quality*”,Presented Expert Lecture at a two day state level technical paper contest YATNA-2K10 atDept. of Electrical Engineering, NallaMalla Reddy Engineering College, DivyaNagar,Hyderabad, 26th &27th March,2010.
19. **Dr. J.Praveen**, “*Latest trends in custom power devises and Power Quality*”, Presented Expert Lecture at a one day National level workshop on Advanced Trends in Power System Security & Power Quality ATPSPQ-2010 at Dept. of Electrical Engineering, Vignan Institute of Technology and science, Deshmukhi, Hyderabad,9th July,2010.
20. **Dr. J.Praveen**, “*Direct Power Control Strategies for dynamic voltage restore and its application in improving power quality*” presented at a two day National Workshop on Recent Advances in Power Systems & Power Electronics, 3rd - 4th September, 2010Sponsored by ISTE & Guru Nanak Engineering College, Hyderabad.
21. **Dr J Praveen**, A Vinay Kumar,”*Adoption of Direct Power Control Strategy AndDynamic Voltage Restorer for Improvement of Power Quality*” presented at sponsored National Conference on Emerging Trends in Engineering & Applications (NCETETA-2010) during 12th & 13th November, 2010 at Shirdi Sai Engineering College, Bengaluru.
22. **Dr J Praveen**, “*Emerging trends in monitoring and restoring power quality and design and simulation of Dynamic voltage restorer*” presented at a workshop organized at Srinidhi Institute of Science and Technology, 23rd December 2010, Hyderabad.
23. K.K.Jain, **Dr.J. Praveen**, and Dr. Pradeep Nirgude, “*Today’s Waste Tomorrow’s Fuel- Hyderabad to get 50MW from Garbage (MSW) - An Energy Recovery from MSW Management*” published in the proceedings of National Conference on Power Electronics and Renewable Energy Systems PEARES-2009, March-2009, SSN College of Engineering, Kalavakkam, Chennai.
24. K.K.Jain, **Dr.J. Praveen**, and Dr. PradeepNirgude, “*Biogas Production and Bottling into CNG Cylinders and use as Vehicle fuel in India and Abroad(Biogas as Bio CNG)*” published in the proceedings of National Conference on Power Electronics and Renewable Energy Systems PEARES-2009, March-2009, SSN College of Engineering, Kalavakkam, Chennai, India.
25. K.Hussainaiyah, **Dr. J.Praveen**, “*Digital Simulation and Analysis of Custom Power Devises to Enhance Power Quality*”, published in the proceedings of National Conference ofSignal Processing Exceeding Technological Horizon, NCSP-2009, March-2009, MaharastraInstitute of Technology (MIT), Aurangabad, India
26. **Dr.J.Praveen**“*Power Quality issues and Improvement with Custom Power Devises*” Presented expert lecture at a two day workshop on “Power Quality” at MuffakhamJah

College of Engineering and Technology, Banjara Hills, Hyderabad, 28th and 29th Aug, 2009.

27. **Dr. J.Praveen**, “ *Power Quality and Power System Security*”, Presented Expert Lecture at a two day TEQIP-I sponsored workshop on Power System Security” at Dept. of Electrical Engineering, University College of Engineering (Autonomous), Osmania University ,Hyderabad,14th & 15th September,2009.
28. **Dr.J.Praveen**“ *Mitigation of harmonics, Voltage sag, Voltage flickers and voltage transients using Dynamic Voltage Restorer* ” Presented expert lecture at one day workshopon “Power Quality” at Aurora’s Technological and Research Institute, Hyderabad, 24th Sept,2009.
29. **Dr.J.Praveen**, Dr.H.V.Makthal, Dr.B.P.Muni “ *Digital Simulation of Dynamic Voltage Restorer to Improve Power Quality*” 23rd National Convention of Electrical Engineers & National Seminar on Challenges in Electricity Sector Under Deregulated Environment”, November 23-24, 2007, at Institution of Engineers, Pune.
30. **J.Praveen**, B.P.Muni and H.V. Makthal “*Simulation of Multilevel Dynamic Voltage RestorerBased on D-Q Parameters*”, presented at 2nd National Power Electronics Conference, December 22-24, 2005, IIT Kharagpur. Page no.94-97.
31. **J.Praveen**, B.P.Muni and H.V. Makthal “*Simulation of Voltage Sag, Disturbances and elimination using Dynamic Voltage Restorer*” presented at 2nd National Power ElectronicsConference, December 22-24, 2005, IIT Kharagpur. Page no.103-106.
32. **J.Praveen**, B.P.Muni and H.V. Makthal “*Improving Power Quality using Cascaded H-BridgeDynamic Voltage Restorer*” presented at Second National Control Instrumentation System Conference CISCON 2005, November 11-12, 2005, MIT, Manipal International Deemed University,Manipal. Page no. 323-327.
33. **J.Praveen**, B.P.Muni and H.V. Makthal “*Dynamic Voltage Restorer*” presented at NationalConference on Recent Advances in Electrical Engineering, EAR-2005, 10th December, 2005, JNTU College of Engineering ,Anantapur . Page no. 29.
34. **J.Praveen**, B.P.Muni and H.V. Makthal “*Simulation of Multilevel Dynamic Voltage Restorer for Power Quality Improvement*” presented at Power Transmission Research Interest and Challenges International Seminar and Tutorial 20-22nd December, 2005, Central Power Research Institute,Bangalore. Page no 45.
35. **J.Praveen**, S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar and H.V Makthal “*Promising Inverterfor Elimination of Harmonics*”, AICTE Sponsored National Conference, Control ommunicationsand Information Systems, January 23-24, 2004,Government Engineering College, Goa. Page no.158-163.
36. **J.Praveen**, B.P.Muni ,S.Venkateshwarlu and H.V. Makthal “*Review of Dynamic VoltageRestorer for Power Quality Improvement*”, Industrial Electronics Conference, IECON 2004, IEEE International Conference, Busan, Korea. Page no.749-754.
37. **J.Praveen**, B.P.Muni and H.V. Makthal “*Simulation of Dynamic Voltage Restorer based on dq Parameters*”, National Power Systems Conference NPSC, December 27-30, 2004, IIT Madras,Chennai. Page no. 595-600.
38. **J.Praveen**, S.Venkateshwarlu, B.P.Muni, A.D Rajkumar and H.V.Makthal “*Enhancement ofCustom Power Devices Power Quality using Multilevel Inverters*”, National Power SystemsConference NPSC, December 27-30, 2004, IIT Madras, Chennai. Page no. 784-789.

39. **J.Praveen**, H.V.Makthal and B.P.Muni “*Simulation of Inverter Control Circuit using SABER*” Presented at Solid State Switching Devices and Applications: Progress and Prospects, A National Conference, The Institution of Engineers, 14-16th July, 2002, Hyderabad. Page no 2.15-2.28.

International conferences:22

1. Praveen Jugge, “*Modelling and simulation of A Cascaded Multi level Inverer with Reduced Number of Power Switches in Multi level Inverter using SPWM Technique to Mitigating for Sag and Swell*” 6th International Conference on Contemporary Engineering and Technology- 2018, Organisation of Science and Innovative Engineering and Technology,ISBN No-978-81-923607-3-7,Chennai,India,10-11th March,2018.
2. A.Anusha,G.Pradhan Dola,Praveen Jugge, “*Probabilistic power flow using point estimate Methods in mesh and radial power Networks*” 2018 IEEEEMA Engineer Infinite Conference (eTechNxT), March 13th to 14th,2018 at India Expo Mart,Gautama Bush Nagar,Greater Noida,UP,India.
3. Praveen Jugge, “*Reduced Number of Power Switches in Multi level Inverter using SPWM Technique to Mitigating for Sag and Swell*” 4th International Conference on Contemporary Issues in Science ,Engineering & Management (ICCI-SEM-2017 Pune,India,25-26th Nov 2017,ISBN: 978-93-5268-684-1
4. Vinay Kumar .A,**Praveen Jugge**,Tarakalyani.S, “*Implementation of a Real-Time Control Platform for Dynamic Voltage Restorer to Improve Power Quality*” 7th International Conference on Recent Engineering and Technology conducted at Mathrusri Engineering college,Hyderabad, 7th April 2017.
5. Vinay Kumar .A,**Praveen Jugge**,Tarakalyani.S“*Optimal Design and Testing of A Variable Frequency Drive*”,7th International Conference on Recent Engineering and Technology conducted at Mathrusri Engineering college,Hyderabad, 7th April 2017.
6. V Vijaya Rama Raju, **Dr J Praveen**, “*Development of Processes and Characterization of Ferromagnetic Materials for Manufacture of Transformer Core and Motors for Higher Efficiency*” 7th International Conference on Materials Processing and Characterization (ICMPC 2017), organized by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana and Maulana Azad National Institute of Technology, Bhopal, Madhyapradesh, India during 17 -19 March 2017.
7. **Dr J Praveen**,V Vijaya Rama Raju, “*Materials for Optimizing Efficiency of Solar Photo-voltaic Panels*” 6th international conference on Materials Processing and Characterization (ICMPC 2016), organized by Victoria University, Melbourne, Victoria, Australia 5 – 7 December 2016.
8. Vinay Kumar .A,**Praveen Jugge**,Tarakalyani.S, “*Optimal Design and Testing of a dynamic Voltage Restorer for voltage sag compensation and to improve Power Quality*” published in the proceedings of IEEE,IECON2016 Oct 24-27,2016 Flarence Italy.
9. N.Eashwaramma, **J.Praveen** , M.Vijaya Kumar, “ *Design and Simulation of Custom Power Device for Power Quality Improvement in Power System*”, published in the proceedings of 15th IRF International Conference, June 28th, 2015, Bengaluru, India. ISBN: 978-93-85465-45-1, (page no 102-107)

10. N.Srinivasa Rao, Dr A Selwin Mich Priyadharson, **Dr J Praveen**, “ *Simulation of Artificial Intelligent Controller based DVR for Power Quality Improvement*”, published in the proceedings of International Conference on Graph Algorithms, High Performance Implementations and Applications (ICGHIA-2014), Jointly organized by Coimbatore Institute of Technology and Berger University College, Norway during, December 17-19th, 2014.(pp 294-308)
11. N Srinivasa Rao, **Dr J.Praveen**, Dr K.Rajan,” *Power Quality Improvement using Z-Source Dynamic Voltage Restorer*”, published in the proceeding of International Conference on Innovations in Electrical & Electronics Engineering (ICIEEE-2014), 5-6th,September, 2014, Guru Nanak Institution, Hyderabad. pp 435-439.(ISBN-978-93-82163-55-8).
12. Dr DP Kothari, **Dr J Praveen**, KK Jain “ *Adoption of Synchrophasor Technology in IndianGrid Failures & Blackouts*”, presented at Second International conference on Emerging Trendin Engineering, Dr.J.J.Magdum College of Engineering, Jaysingpur, Kolhapur,Maharashtra heldon 22nd&23rd Feb,2013
13. S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar, and **J.Praveen**“*Direct Power ControlStrategies For Multilevel Inverter Based Custom Power Devices*” International Conference on Computer, Electrical and Systems Science, and Engineering, 21-23, May 2008. Published in the proceedings of World Academy of Science, Engineering and Technology, Volume 29,Bangkok, Thailand
14. A.Vinaykumar,**Dr.J.Praveen** ,Dr.S.TaraKalyani “*Various power Quality issues:Measurement of Flicker and Mitigation of Voltage sag*” An International Conference on Intelligent and Efficient Electrical Systems conducted at PSG college of technology Coimbatore, 12-14 Dec 2013
15. P.N.K Sreelatha, **J.Praveen**, V.Kamaraju, ‘*Effect of Unsymmetrical faults on Distribution lines with Different Line X/R ratios and Voltage Restoration using DVR with Space Vector Control*’ published in the proceedings of International Conference on Computing, Electronics and Electrical Technologies-ICCEET-2012 held on 21-22 March,2012 organized by Noorul Islam Centre for Higher Education, Kumaracoil,Thuckalay, Tamilnadu. pp.14.
16. P.N.K Sreelatha, **J.Praveen**, V.Kamaraju, ‘*Voltage Restoration with D-Statcom Under Unsymmetrical Faults on Distribution Lines with variable X/R*’, published in International Conference on recent Technology-2012, 9-11, February, Organized by Institute of Knowledge College of Engineering, Pune. pp-E-60.
17. **Dr J Praveen**, “*Latest Simulation tools for power electronics and power quality improvement devices design an overview*”, presented at International Accreditation Councilfor Quality in Education and Research (IACQER) nodal research center on 29th July, 2011 at Swarnandhra College of Engineering and Technology, Narsapur, W.G.Dist. A.P.
18. **Dr J Praveen**, “*Fault analysis to mitigate voltage depression using new simulation schemes and design of custom power devices*”, presented at International Accreditation Council for Quality in Education and Research (IACQER) nodal research center on 30thJuly, 2011 at Raghun Engineering College, Visakhapatnam, A.P.
19. PNK Sreelatha, **Dr J Praveen**, Dr V Kamaraju,” *Voltage Sag Compensation with DVRfor Different types of faults at a remote place on a remote feeder*”, accepted for Presentation at Eight Control Instrumentation System **International Conference**

ISCON-2011, Modeling and Simulation in Engineering Applications, 3-6th November, Manipal Institute of Technology, Manipal, Karnataka.

20. Vinay Kumar A, **Dr. J.Praveen,**” *Digital Simulation of Dynamic Voltage Restorer using Direct Power Control Strategy*”, presented at 2nd International Conference on Nanotechnology and Biosensors (ICNB-2,2011) on 27th and 28th December, 2011 organized by IACQER at Raghu Engineering College, Vishakapatnam, A.P.(page no 302-308).
21. S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar, and **J.Praveen**“ *Virtual Flux Direct Power Control using Space Vector Modulation*” , accepted for presentation at 2nd International Conference of Electrical Engineering Design and Technologies (ICEEDT’08),November 8-10, 2008, Hammamet, Tunisia.
22. **J.Praveen**, B.P.Muni and H.V. Makthal “ *Simulation of Dynamic Voltage Restorer using Space Vector PWM*” presented at International Conference on Systemics, Cybernetics and Informatics, ICSCI 2006, January 04-08, 2006 Hyderabad. Page no.188-192 .

Research Interest:

Seminars:

Seminars/Workshops Attended:

1. Six days workshop on ‘Effective Teaching Methodologies’ during 24th to 29th Nov, 2003 organized by Chaitanya Bharathai Institute of Technology, Hyderabad.
2. Four days national workshop on ‘System Simulation’ organized by electrical and electronics department, during 10th to 13th Dec, 2003, Sri Siva Subramaniya Nadar College of Engineering, Chennai.
3. Two days workshop on ‘Micro Controller, PLC’s and Applications’, during 19th to 20th March, 2004, organized by electrical and electronics department, Chaitanya Bharathi Institute of Technology, Hyderabad.
4. Two weeks AICTE-ISTE sponsored short term training program on ‘Simulation of Power and Power Electronics System using PSCAD, ETAP and MATLAB/SIMULINK’ organized by department of electrical and electronics engineering during 24th May to 04th June 2004, Karunya Institute of Technology and Science, Coimbatore.
5. Three days workshop on ‘Tutorials: Power Systems’ during 27th to 30th Dec, 2004 organized by department of electrical engineering, Indian Institute of Technology Madras, Chennai.
6. Three Days International Seminar on ‘Power Transmitted Research Interest and Challenges’ during 20th to 22nd Dec, 2005, organized by Central Power Research Institute, Bangalore.
7. Three days workshop on ‘Tutorials : Power Electronics’ during 22nd to 24th Dec, 2005 organized by department of electrical engineering, Indian Institute of Technology,

Kharaghpur.

8. Two Days workshop on 'Effective Teaching and Presentation Skills', during 04th to 05th Feb, 2006 organized by TRR College of Engineering, Hyderabad.
9. Two Days workshop on ' Faculty Development', during 10th to 11th Feb,2007, organized by St. Stanley College of Engineering and Technology, Hyderabad.
10. Two Days work shop on 'Leadership Skills' by Wipro Mission10X, during 19th to 20th Feb, 2011 organized by Wipro Technologies, Hyderabad.
11. One Week Mission 10X –ISTE workshop on 'High Impact Teaching Skills and Learning Approach' conducted at Malla Reddy Engineering College from 07th to 11th March, 2011 by Wipro Mission10X.
12. Three Days MxLA-1 and MxLA-2 (Mission 10X Learning Approach) master trainer certification program 17th to 19th August, 2011 at Wipro Technologies Bangalore Center, Bangalore.
13. Three Days training program on "Jeevan Vidya – Human values and professional ethics" at International Institute of Information Technology, Hyderabad (IIITH) during 2-4, July, 2012.
14. Three days aims annual management education convention 2012 on "innovative management education for sustainable development" during 25th - 27th august, 2012 at Hyderabad, convention venue: mahindra satyam learning world, madhapur, Hyderabad.
15. Three days 'Indo Global Education Summit and Expo 2012', during Sept 7 to 9, 2012 at Taj Krishna and Taj Deccan, Hyderabad. Organized by Indus foundation.
16. Three days 42nd Indian Society for Technical Education (ISTE) ANNUALCONVENTION during 20-22 Dec,2012 held at Anurag Group of Institution (formerly CVSR college of Engineering), Hyderabad
17. Two days workshop on 'Model based Embedded System Design using VisSim', uring 7,8th March,2013 at Gokaraju Rangaraju Institute Engineering and Technology conducted by Trident Techlabs in association with Visual Solution Incorporated.
18. Three days Evaluators Workshop on 'Outcome based education, Washington Accord, New formats of accreditation, National Board of Accreditation," Organized by NBA at JNTUH during 13,14 and 15th May, 2013
19. Two-Week ISTE Workshop On Database Management Systems, Under the National Mission on Education through ICT, MHRD, Govt. of India, May 21st, 2013 to May 31st, 2013 under the eOUTREACH programme name "Empowerment of Students & Teachers through Synchronous & Asynchronous Instruction," IIT Bombay attended at remote center

GRIET, Hyderabad.

20. Two-week Workshop On Analog Electronics, National Mission on Education through ICT (MHRD, Govt. of India), June 4th , 2013 to June 14th, 2013, under the eOUTREACH programme name "Empowerment of Students & Teachers through Synchronous & Asynchronous Instruction," IIT Kharagpur attended at remote center GRIET, Hyderabad.

Awards:

- Certified **Master Trainer** for **Wipro Mission 10X** for **MxLA1 & MxLA2** (Mission 10X Learning Approach) by **Wipro Technologies**, Bangalore.
- **International certification on Mission 10x advanced learning approach** from Wipro Technologies.
- **Cambridge International Certification for Teachers and Trainers (CICTT) with Distinction**
- Honor Code Certificate in course **Circuits And Electronics 6.002X** an online learning initiative offered by **Massachusetts Institute of Technology, USA (MIT)** with 'A' Grade through edX

Invited Talks: Given invited talk at **Indian Naval Academy**, Ezhimala, Kerala