

# List of Publications

Department of Electrical and Electronics Engineering

GMR Institute of Technology (Autonomous)

Affiliated to JNTU-K, Kakinada

Rajam, Andhra Pradesh–532127, India

Details Academic year	National Conference	National Journal	International Conference	International Journal	Books/ Book Chapter	Total Publications	Cumulative Publications
2021-22	00	00	06	36	08	50	609
2020-21	00	00	18	66	01	85	559
2019-20	00	00	05	50	04	59	474
2018-19	00	00	07	40	05	52	386
2017-18	05	00	23	39	-	67	334
2016-17	04	00	15	34	-	53	267
2015-16	12	00	05	28	-	45	214
2014-15	01	00	15	18	-	34	169
2013-14	02	00	05	21	-	28	135
2012-13	06	01	08	16	-	31	107
2011-12	02	01	08	12	-	23	76
2010-11	09	01	12	09	-	31	53
2009-10	08	00	03	00	-	11	22
2008-09	00	00	04	01	-	05	11
2007-08	03	01	02	00	-	06	06

**2021-22:**

**2021-22:**

**National Conferences:**

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**2021-22:**

**National Journals:**

-----NIL-----

**2021-22:**

**International Conferences:**

1. Damala Rajesh Babu, Rajesh kumar Patnaik, Dual Axis Solar Tracking with Weather Monitoring System by using IR and LDR Sensors with Arduino UNO”, Virtual International Technical Conference on Control in Electric vehicles and Smart grid with Renewable Energy Synergies for sustainable development" (VIT-CES-RES 2021), Vellore Institute of Technology (VIT),10-8-2021(Indexed in : Scopus)
2. N. V. A. Ravikumar, Vasupalli Manoj, N. S. S. Ramakrishna, “A Linear Quadratic Integral Regulator for a Variable Speed Wind Turbine”, 1st International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2021), Department of Electrical Engineering, NIT Meghalaya, Shillong, India, 24/09/2021(Indexed in : Scopus)
3. N S S Ramakrishna, T.S L V Ayyarao, Vasupalli Manoj, L.Dinesh, “Model Predictive Control for Load Frequency Regulation in Power Systems Using a Disturbance Observer”, 1<sup>st</sup> International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2021), National Institute of Technology Meghalaya, Shillong, India, 24/09/2021 (Indexed in : Scopus)
4. P. P. Padhi, A. K. Parida, S.P. Mishra, " An Efficient RBFNN-FF Algorithm for Stock MarketForecasting", 7th International Conference on Advanced Computing and CommunicationSystems (ICACCS) 2021, 11th -13th February 2021. (IEEE)- DOI: 10.1109/ICACCS51430.2021.9441961 (June) (Indexed in : Scopus)
5. P. P. Padhi, S.P. Mishra, " Application of Control Strategy to DC Micro grids: A Survey", 7th International Conference on Electrical Energy Systems (ICEES) 2021, 11th -13th February 2021.(IEEE)-SCOPUS DOI: 10.1109/ICEES51510.2021.9383678. (May) (Indexed in : Scopus)
6. S.P. Mishra, P. P. Padhi, J. Naik, P. K. Dash, L. N. Tripathy, M.H. Naeem, R Senapati, " Anefficient Robust Random Vector Functional Link network for Solar Irradiance, Power and Wind speed prediction", 1st Odisha International Conference on ‘Electrical Power Engineering, Communication and Computing Technology (ODICON) 2021, 8th -9th January 2021. (IEEE)- (April) (Indexed in : Scopus)

**2021-22:**

**International Journals:**

1. K. Karthick, S. Ravivarman, Ravi Samikannu, K. Vinoth, Bashyam Sasikumar, "Analysis of the Impact of Magnetic Materials on Cogging Torque in Brushless DC Motor", *Advances in Materials Science and Engineering*, Hindawi, vol. 2021, Article ID 5954967, 10 pages, Dec,2021. <https://doi.org/10.1155/2021/5954967>. (SCI-E & Scopus Indexed) (Impact Factor: 1.726)
2. K. Karthick, S. K. Aruna & R. Manikandan, "Development and evaluation of the bootstrap resampling technique based statistical prediction model for Covid-19 real time data: A data driven approach", *Journal of Interdisciplinary Mathematics*, Taylor & Francis, DOI: 10.1080/09720502.2021.2012890. (Scopus & ESCI Indexed) (Accepted for Publication)
3. Pilla R, Gorripotu TS and Azar AT. "Design and analysis of search group algorithm-based PD-PID controller plus redox flow battery for automatic generation control problem," *Int. J. Computer Applications in Technology*, Vol.66, No.1, December, 2021, pp.19-35 (Indexed in: SCOPUS/ESCI) (ISSN No. 1740-7524), DOI: 10.1504/IJCAT.2021.119605.
4. V. MANOJ, M. PRATHYUSHA, and B. S. V. K. REDDY, "Maximum Utilization of Solar Radiation Using Sun Tracking System," *Turkish J. Physiother. Rehabil.*, vol. 32, no. 2, pp. 3129–3135, March-2021. (ISSN No. 2651-4451) [Indexed by Web of Science & Scopus, Impact factor: 0.1, Q3, <https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-407.pdf>]
5. V. MANOJ, D. RAJESH BABU, and B. VINEELA RATHAN, "Modeling And Simulation Of Photovoltaic Module With MPPT," *Des. Eng.*, vol. 2021, no. 8, pp. 16273–16284, Aug-2021, (ISSN No. 0011-9342) [ Indexed by Scopus, Impact factor: 1.0, Q4, <http://thedesignengineering.com/index.php/DE/article/view/6772>] doi: 10.5176/2251-189x\_sees13.55
6. Rajesh Kumar Patnaik, I Vidyabharati,. 2021. "**Fault Analysis of Solar PV Based DC Microgrid System**". *Design Engineering*, vol.2021.no.8 pp. 8223-38,October-2021 (Indexed by SCOPUS , IF:1.41,Q4, <https://thedesignengineering.com/index.php/DE/article/view/5866>.)
7. Ramakrishna S.S. Nuvvula, Elangovan Devaraj, Rajvikram Madurai Elavarasan, Seyed Iman Taheri, Muhammad Irfan, Kishore Srinivasa Teegala, "**Multi-objective mutation-enabled adaptive local attractor quantum behaved particle swarm optimisation based optimal**

- sizing of hybrid renewable energy system for smart cities in India**”, Sustainable Energy Technologies and Assessments, Vol. 49,Nov,2021 (Indexed by SCIE, IF: 5.33,Q1. <https://www.sciencedirect.com/science/article/pii/S2213138821007037?via%3Dihub>)
8. Polamarasetty P Kumar, Vishnu Suresh, Michal Jasinski, Zbigniew Leonowicz, “**Off-Grid Rural Electrification in India Using Renewable Energy Resources and Different Battery Technologies with a Dynamic Differential Annealed Optimization**”, Journal of energies MPDI, vol.14,no.18,pp.1-21, Sep-2021 (indexed by SCIE,IF 3.004,Q2, <https://www.mdpi.com/1996-1073/14/18/5866>)
  9. S. P. Mishra, R. Vijaya Krishna, P.K. Dash, Ranjeeta Bisoi (2021), " Multiobjective Auto EncoderDeep Learning based Stack Switching Scheme for Improved Battery Life using Error Predictionof Wind-Battery Storage Microgrid", International Journal of Energy Research (Wiley),vol.45,no.14,pp.20331-20355,Aug-2021 (indexed by SCIE, IF:, Q:,DOI: <https://doi.org/10.1002/er.7117> )
  10. Krishna, Vijay, S. P. Mishra, Jyotirmayee Naik, and P. K. Dash, “**Adaptive VMD based optimized deep learning mixed kernel ELM autoencoder for single and multistep wind power forecasting**”, International journal of Energy (Elsevier Science),pp.1-27, Nov-2021(Indexed by SCI, <https://www.sciencedirect.com/science/article/abs/pii/S0360544221028346>)
  11. Damala Rajesh Babu, manoj.v, Vijayakrishna.r, “**A novel approach for regeneration of electricity with ceiling fan and dynamo" Design engineering**”, Vol. 2021, no:8, pp.13158-13166, Aug-2021 (Indexed by scopus,IF:1.41 ,Q4, <http://thedesigengineering.com/index.php/DE/article/view/6432>)
  12. Ramakrishna S. S. Nuvvula , Devaraj Elangovan , Kishore Srinivasa Teegala, Rajvikram Madurai Elavarasan, Md. Rabiul Islam and Ravikiran Inapakurthi, “**Optimal Sizing of Battery-Integrated Hybrid Renewable Energy Sources with Ramp Rate Limitations on a Grid using ALA-QPSO**”, Energies , Vol. No. 14, Issue No. 5368, pp. 1-23, September 2021. (ISSN No. 19961073) [ Indexed by SCI, Impact factor:2.702, Q2, <https://www.mdpi.com/1996-1073/14/17/5368/html> ]
  13. D.V.N. Ananth, Lagudu Venkata Suresh Kumar, T S Gorripotu and Ahmad Taher Azar, “**Design of a fuzzy Logic Controller for Short term load forecasting with randomly varying load**", International Journal of sociotechnology and Knowledge Development, Vol.No.13, Issue No. 4, pp 1-18, Sep-2021.(ISSN No.:1941-6253) [Indexed by Scopus, Q3, <https://www.igi-global.com/gateway/article/288721#pnlRecommendationForm> ] (DOI: 10.4018/IJSKD.2021100103)
  14. M. Rambabu, G.V. Nagesh Kumar, Polamraju V.S. Sobhan, “**Optimal power flow with renewable energy resources using static VAR compensator and grey wolf optimisation**”, International Journal of Intelligent Enterprise, Inderscience publications,

- pp.1-13, August 2021 [Indexed by SCOPUS, Q4, <https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijie#86259http://dx.doi.org/10.1504/IJIE.2021.10039763>]
15. M.Rambabu, G.V.Nagesh Kumar, B.Venkateswara Rao, B Sravana Kumar “**Optimal power flow solution of an Integrated Power System using Elephant Herd Optimization Algorithm incorporating stochastic wind and solar power**” Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Taylor & Francis publications, pp-1-21, August 2021 [Indexed by SCIE, Scopus, Q2, Impact factor 1.184 , <https://www.tandfonline.com/doi/full/10.1080/15567036.2021.1972059>]
  16. G Chandra Sekhar, “**Fault detection of PV system by using Artificial intelligence and Machine learning**”, Design Engineering, Vol. No. 2021, Issue No. 7, pp. 10855-10878, Sep 2021. (ISSN No.0011-9673) [ Indexed by Scopus, <http://www.thedesignengineering.com/index.php/DE/article/view/4088>]
  17. Mudadla Dhananjaya, Ramana Pilla and Tulasi chandra Sekhar Gorripotu, “**Integrated Multi-Input DC-DC Converter with Reduced Switches**”, International Transactions on Electrical Energy Systems, Vol. No. 31, Issue No. 8, pp.1-20, August, 2021. (ISSN No.2050-7038) (Indexed in: SCIE) (Impact factor:2.86) (<https://doi.org/10.1002/2050-7038.12989>)
  18. Pilla R, Azar AT, Gorripotu TS. “Tuning of Extended Kalman Filter using Grey Wolf Optimization for Speed Control of Permanent Magnet Synchronous Motor,” International Journal of Automation and Control, Vol.15, No.4/5, August, 2021, pp.563-584 (Indexed in: SCOPUS/ESCI) (ISSN No. 1740-7524), DOI: 10.1504/IJAAC.2021.116423.
  19. T. Salameh, P. P. Kumar, E. T. Sayed, M. A. Abdelkareem, H. Rezk, and A. G. Olabi, “**Fuzzy modeling and particle swarm optimization of Al<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub> nanofluid**” Int. J. Thermofluids, Vol. No.10, March 2021. (Indexed in: Scopus) (<https://doi.org/10.1016/j.ijft.2021.100084> ).
  20. K. Karthick, K. Jaiganesh, S. Kavaskar, “**Comprehensive Study, Design and Economic Feasibility Analysis of Solar PV Powered Water Pumping System**”, Energy Engineering, pp. 1-18, August 2021. (ISSN No. 0199-8595) (Indexed in: Scopus) (DOI: 10.32604/EE.2021.017563)
  21. K.V.S.Prasad, “**Role of SEBI in Investor Protection: An Overview**”, Design Engineering, Vol. No. 2021, Issue No. 07, pp. 1464-1469, July 2021. (ISSN 0011-9342) (Indexed in: Scopus)(<http://www.thedesignengineering.com/index.php/DE/article/view/2455>)
  22. Rajesh Kumar Patnaik, “**Fault Detection in a grid connected solar PV based microgrid**”, Design Engineering, Vol. No. , Issue No. 7, pp. 4878-4903, July 2021. (ISSN No.0011-9342) (Indexed in: Scopus) (<https://thedesignengineering.com/index.php/DE/article/view/2930>)
  23. K.V.S.Prasad, “**A Case Study of Management Perception towards Quality Management in Engineering Education Institutions**”, Design Engineering, Vol. No. 2021, Issue No.06, pp. 1752-1757, June 2021. (ISSN No. 0011-9342) (Indexed in: Scopus) (<http://www.thedesignengineering.com/index.php/DE/article/view/2170>)

24. G Chandra Sekhar. G.Jnaneswari, “**Efficiency Calculation of 100kW Photovoltaic System under Open Circuit Fault Condition**”, Design Engineering, Vol. No. 2021, Issue No. 7, pp. 2748-2758, July 2021. (ISSN No.0011-9342) (Indexed in: Scopus) (<http://www.thedesignengineering.com/index.php/DE/article/view/2678> )
25. Rajesh Kumar Patnaik, Mohan Krishna Dumpala, Babji Bommana, “**Implementation of a hardware model of an electrostatic precipitator applicable for thermal power plant applications**”, Design Engineering, Vol. No. 2021, Issue No.7 , pp. 1470-1483, July 2021. (ISSN No.0011-9342) (Indexed in: Scopus) (<http://www.thedesignengineering.com/index.php/DE/article/view/2456>)
26. Ramakrishna Raghutu, P V Ramanarao, “**Improved LFC Coordination to enhance Micro-Grid Power System Stability by considering Renewable Energy Penetration**”, Design Engineering, Vol. No. 2021, Issue No. 7, pp. 2780-2791, July 2021. (ISSN No.0011-9342) (Indexed in: Scopus) (<http://www.thedesignengineering.com/index.php/DE/article/view/2681>)
27. Teegala Srinivasa Kishore, Epari Ritesh Patro, V. S. K. V. Harish, Ali Torabi Haghighi, “**A Comprehensive Study on the Recent Progress and Trends in Development of Small Hydropower Projects**”, Energies, Vol. No. 14, Issue No. 10, pp. 1-31, May, 2021. (ISSN No.1996-1073) (Indexed in: SCIE) (Impact factor: 2.702) (<https://doi.org/10.3390/en14102882>)
28. R Vijaya Krishna, T S Kishore, “**Differential Evolution Optimization of PD-PID Controller for a Two Area Power System Incorporating Solar Thermal Renewable Generation and Storage**” Turkish Journal of Physiotherapy and Rehabilitation, Vol. No. 32, Issue No. 2, pp. 3121 – 3128, May-2021. (ISSN No. 2651-446X) (Indexed in: ESCI/ Scopus) (<https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-406.pdf>)
29. J. S. V. Siva Kumar, P. Mallikarjuna Rao, “**Performance Evaluation of Sliding-Mode Controller based IDDB Converter for Wheeled Electric Vehicle Applications**”, Turkish Journal of Physiotherapy and Rehabilitation, Vol. No.32, Issue No.2, pp 3064-3073, May 2021. (ISSN No.:2651-4451) (Indexed in: ESCI/ Scopus) (<https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-399.pdf>)
30. H. K. Chappa, T. Thakur, L. V. Suresh Kumar, Y. V. Pavan Kumar, D. John Pradeep, Ch. Pradeep Reddy, Ezendu Ariwa “**Real Time Voltage Instability Detection in DFIG Based Wind Integrated Grid with Dynamic Components**”, International Journal of Computing and Digital Systems, pp. 1-8, May 2021. (ISSN No. 2210-142X) (Indexed in: Scopus) (<http://journal.uob.edu.bh/bitstream/handle/123456789/4213/1570684183.pdf?sequence=1&isAllowed=y>)
31. M. Premkumar, Pradeep Jangir, C. Ramakrishnan, G. Nalinipriya, Hassan Haes Alhelou, and B. Santhosh Kumar, “**Identification of Solar Photovoltaic Model Parameters using an Improved Gradient-Based Optimization Algorithm with Chaotic Drifts**”, IEEE Access, Article in press, , pp. 1-34, April 2021. (ISSN No.2169-3536) (Indexed in: SCIE) (Impact factor: 3.745)(<https://ieeexplore.ieee.org/document/9406019>)

32. D. Danalakshmi, S. Prathiba, M. Ettappan, D. Mohan Krishna, "**Reparation of voltage disturbance using PR controller-based DVR in Modern power systems**", Production Engineering Archives, Vol. No. 27, Issue No. 1, pp. 16-29, March 2021. (ISSN No.: 2353-7779), (Indexed in: Scopus) (<https://doi.org/10.30657/pea.2021.27.3>)
33. Ramakrishna Nuvvula, Elangovan Devaraj & Kishore Teegala Srinivasa, "**A Comprehensive Assessment of Large-scale Battery Integrated Hybrid Renewable Energy System to Improve Sustainability of a Smart City**", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, pp.1-22, April 2021. (ISSN No. 1556 7230) (Indexed in: SCIE) (Impact factor: 1.184 ) (<https://www.tandfonline.com/doi/abs/10.1080/15567036.2021.1905109>)
34. A. Iqbal, A. Waqar, R.M. Elavarasan, M. Premkumar, T. Ahmed, S. Umashankar, and S. Mekhilef, "**Stability Assessment and Performance Analysis of New Controller for Power Quality Conditioning in Microgrids**", International Transactions on Electrical Energy Systems, Article in press, pp. 1-27, April 2021. (ISSN No.2050-7038) (Indexed in: SCIE) (Impact factor: 1.692) (<https://onlinelibrary.wiley.com/doi/full/10.1002/2050-7038.12891>)
35. Mishra, S. P., R. Senapati (2020), "Wind Speed and Power prediction using MK-PINN", International Journal of Power and Energy Conversion. (Inderscience Publishers), vol.12, no.1, pp: 76-88, Impact factor: 1.0. DOI: <https://doi.org/10.1504/IJPEC.2021.113055>. Print ISSN: 1757-1154 Online ISSN: 1757-1162. (February)[indexed in: scopus]
36. Ayyarao, Tummala SLV, and I. Ravi Kiran. "**A Two-Stage Kalman Filter for Cyber-Attack Detection in Automatic Generation Control System.**" Journal of Modern Power Systems and Clean Energy (2021), pp:1-8, [Indexed in :SCIE, Impact factor:3.265,Q1,<https://ieeexplore.ieee.org/document/9350530>] DOI: 10.35833/MPCE.2019.000119-Feb

## **2021-22:**

### **Book:**

1. Ramana Pilla and G.T. Chandar Sekhar, "Electrical Appliances", Shree Publishing House, October 2021 (ISSN No. 9788195166114)
2. Ramana Pilla and G.T. Chandar Sekhar, "Circuit Theory and Electronic Devices", Shree Publishing House, October 2021 (ISSN No. 9789391117092)
3. K.Chitambara Rao, Ramana Pilla and G.T. Chandar Sekhar, "Digital Electronics", Shree Publishing House, October 2021 (ISSN No. 9789391117344)

## **2021-22:**

### **Book Chapter:**

1. Ahmad Taher Azar, Fernando E. Serrano, Nashwa Ahmad Kamal, Tulasichandra Sekhar Gorripotu, Ramana Pilla, Sandeep Kumar, Ibraheem Kasim Ibraheem, Amjad J. Humaidi, "**Robust Control and Synchronization of Fractional-Order Complex Chaotic Systems**

- with Hidden Attractor**”, Algorithms for Intelligent Systems, Springer, Singapore, Vol. No. 55, pp. 199-210, August, 2021. (ISSN No.978-981-16-3246-4) [Indexed by Scopus, [https://doi.org/10.1007/978-981-16-3246-4\\_15](https://doi.org/10.1007/978-981-16-3246-4_15)]
2. Uma T., Pilla R. (Jan. 2021) Design and Analysis of Redox Flow Battery for Load Frequency Control of Power System. In: Sekhar G.C., Behera H.S., Nayak J., Naik B., Pelusi D. (eds) **Intelligent Computing in Control and Communication. Lecture Notes in Electrical Engineering**, vol 702. Springer, Singapore. [https://doi.org/10.1007/978-981-15-8439-8\\_3](https://doi.org/10.1007/978-981-15-8439-8_3) (Indexed by SCOPUS), ISBN: 978-981-15-8439-8
  3. Gorripotu T.S., Azar A.T., Pilla R., Kamal N.A. (Jan. 2021) Impact of Ultra Capacitor on Automatic Load Frequency Control of Nonlinear Power System. In: Sekhar G.C., Behera H.S., Nayak J., Naik B., Pelusi D. (eds) **Intelligent Computing in Control and Communication. Lecture Notes in Electrical Engineering**, vol 702. Springer, Singapore. [https://doi.org/10.1007/978-981-15-8439-8\\_27](https://doi.org/10.1007/978-981-15-8439-8_27) (Indexed by SCOPUS), ISBN: 978-981-15-8439-8
  4. Acharyulu B.V.S., Gorripotu T.S., Azar A.T., Mohanty B., Pilla R., Kumar S., Serrano F.E., Kamal N.A. (Aug. 2021) Automatic Generation Control of Multi-area Multi-source Deregulated Power System Using Moth Flame Optimization Algorithm. In: Sharma H., Gupta M.K., Tomar G.S., Lipo W. (eds) **Communication and Intelligent Systems. Lecture Notes in Networks and Systems**, vol. 204, pp. 717-729. Springer, Singapore. [https://doi.org/10.1007/978-981-16-1089-9\\_56](https://doi.org/10.1007/978-981-16-1089-9_56) (Indexed by SCOPUS)
  5. Rudranarayan Senapati, Sthita Prajna Mishra, Rajendra Narayan Senapati, Priyansha Sharma, Microgrid Technologies, Scrivener Publishing (WILEY), Chapter-13: **Power Quality Improvement of a 3-Phase-3-Wire Grid-Tied PV-Fuel Cell System by 3-Phase Active Filter Employing Sinusoidal Current Control Strategy**, Pp: 327-371 (April), Print ISBN:9781119710790, Online ISBN:9781119710905, DOI: 10.1002/9781119710905

**2020-21:**

**2020-21:**

**National Conferences:**

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**2020-21:**

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**National Journals:**

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**2020-21:**

**International Conferences:**



1. Karthick K, Ebrahim A Algehyne, Kavaskar S, “**Analysis of ‘earlyR’ Epidemic Model and Time Series Model for Prediction of COVID-19 Registered Cases**”, Materials Today: Proceedings, pp. 1-8, October 2020. (ISSN No.2214-7853) (<https://doi.org/10.1016/j.matpr.2020.10.086>) (Indexed in: Scopus)
2. Kavaskar S, Sendilkumar S, Karthick K, “**Power Quality Disturbance Detection using Machine Learning Algorithm**”, IEEE International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE), Coimbatore, India, Karpagam College of Engineering, Coimbatore, 12<sup>th</sup> November 2020 (Indexed in Scopus)
3. M Karuppasamy Pandiyan, V Agnes Idhayaselvi, D Danalakshmi and A Sheela, “**Online Estimation of Control Parameters of FACTS Devices for ATC Enhancement using Artificial Neural Network**”, IOP Conference Series: Materials Science and Engineering, Vol. No. 1055, pp. 1-13, February 2021. (ISSN No.1757 899X) (Indexed in: Scopus) (<https://iopscience.iop.org/article/10.1088/1757-899X/1055/1/012146/meta>)
4. S.P. Mishra, P. P. Padhi, J. Naik, P. K. Dash, L. N. Tripathy, M.H. Naeem, R Senapati, “**An Efficient Robust Random Vector Functional Link network for Solar Irradiance, Power and Wind Speed Prediction**”, Odisha 1st International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON) 2021, Siksha O Anusandhan University, 8 January 2021. (Indexed in: Scopus)
5. M. Premkumar, R. Sowmya, P. Jangir, J. S. V. Siva Kumar, “**A New and Reliable Objective Functions for Extracting the Unknown Parameters of Solar Photovoltaic Cell Using Political Optimizer Algorithm**”, International Conference on Data Analytics for Business and Industry: Way Towards a Sustainable Economy (ICDABI), University of Bahrain, Bahrain, 10 october 2020. (Indexed in: Scopus)
6. Sharma, Priyansha, Rudranarayan Senapati, Sthitaprajna Mishra, Rajendra Narayan Senapati., “**Efficacy of Sliding Mode Controller (SMC) over DC-DC Full Bridge Isolated Converter (FBIC)**”, 2020 2nd IEEE International Conference on Innovative Mechanisms for Industry Applications (ICIMIA), Dayanand sagar college of Engineering, IEEE- Bangalore, 2020. (Indexed in: Scopus)
7. Ravi Kumar Jalli, Sthita Prajna Mishra, Jyotirmayee Naik, Priyansha Sharma, Rudranarayan Senapati, “**Prediction of Wind Speed with Optimized EMD based RVFLN**”, International Conference on Engineering in 4th Industrial Revolution, HYDCON-2020, CMR Institute of Technology, Hyderabad, 11/9/2020 (Indexed in: Scopus)
8. Priyansha Sharma, Swagat. Das, Rudranarayan Senapati, Sthita Prajna Mishra, Rajendra Narayan Senapati, “**Performance Evaluation of PV-SOFC Grid Integrated 3P3W System by UPQC with Sinusoidal Current Control Strategy at Constant Irradiance**”, International Conference on Engineering in 4th Industrial Revolution, HYDCON-2020, CMR Institute of Technology, Hyderabad, 11/9/2020 (Indexed in: Scopus)
9. Kishore T S, Rayi Vijayakrishna, Chamala Venkateswarlu, “**Static Voltage Stability Margin Enhancement Using STATCOM in Grid Connected Wind Farms**”, India Council International Subsections’ Conference (INDISCON 2020), GVP College of Engineering, Visakhapatnam, India, during 03.10.2020 (Indexed in Scopus)

10. L.V. Suresh kumar, Tummala. S.L.V. Ayyarao and Tulasi Chandra Sekhar Gorripotu, “**Frequency Regulation of Hybrid Power Systems with Robust Higher-order Sliding mode Control**”, International Conference on Intelligent Computing in Control And Communication--ICCC 2020, Aditya Institute of Technology And Management (AITAM) Tekkali, Srikakulam, Andhra Pradesh, India, 7<sup>th</sup> -8<sup>th</sup> , August 2020 ( Indexed in : Scopus).
11. Tummala.S.L.V.Ayyarao, Venkata Suresh kumar L , D Vijaya Kumar, “**Support Vector Machine Based Dynamic Cyber-Attack Detection in AGC System**”, International Conference on Intelligent Computing in Control and Communication, Aditya Institute of Technology And Management (AITAM), Tekkali, Srikakulam, Andhra Pradesh, India, 7<sup>th</sup> -8<sup>th</sup> , August 2020 ( Indexed in : Scopus).
12. D.V.N. Ananth ,V Sureshkumar L , Manmadhakumar Boddepalli, “**Design and modelling of STATIC COMPENSATOR and UPFC based FACTS Devices for Power System Oscillations Damping and Voltage Compensation**”, International Conference on Intelligent Computing in Control and Communication , Aditya Institute of Technology And Management (AITAM) Tekkali, Srikakulam, Andhra Pradesh,India, 7<sup>th</sup> -8<sup>th</sup> , August 2020 ( Indexed in : Scopus).
13. J. S. V. Siva Kumar, P. Mallikarjuna Rao, “**Performance Analysis of PID controller and Sliding Mode Control for Electric Vehicle Applications in Interleaved Double Boost Converter**”, International Conference on Intelligent Computing in Control and Communication-ICCC 2020 , Aditya Institute of Technology And Management (AITAM) Tekkali, Srikakulam, Andhra Pradesh, India, 7<sup>th</sup> -8<sup>th</sup> , August 2020 ( Indexed in : Scopus).
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**2019-20 :**

**2019-20 :**

**National Conferences:**

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**2019-20 :**

**National Journals:**

-----NIL-----

**2019-20 :**

**International Conference:**

1. P Parhi, Sthita Prajna Mishra, J Naik and P.K. Dash, "A Hybridized Levy Flight Fruit Fly Optimization based Kernel Extreme Learning Machine for Bio-Medical Data Classification", International Conference on Artificial Intelligence and Signal Processing (AISP), Organized by VIT-AP, Amaravati, during 10<sup>th</sup> -12<sup>th</sup> January 2020.
2. Rudranarayan Senapati, Sthita Prajna Mishra, Vamsiram Illa, Rajendra Narayan Senapati (2019), "Improvement of Current profile in Grid-tied Hybrid Energy System by 3-Phase Shunt Active Filter", Springer 1<sup>st</sup> International Conference on Innovation in Electrical Power Engineering, Communication and Computing Technology, IEPCCT-2019 at ITER, SOA University on 13<sup>th</sup> -14<sup>th</sup> December 2019.
3. Rudranarayan Senapati, Sthita Prajna Mishra, Priyansha Sharma, Rajendra Narayan Senapati and Byamokesh Das, "Improvement of Voltage Profile by Series Active Filter in Grid Connected PV-System", Springer 1<sup>st</sup> International Conference on "Advances in Electrical Control & Signal System", AECSS-2019 at ITER, SOA University, 8<sup>th</sup> -9<sup>th</sup> November 2019. (Indexed in: SCOPUS)
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**2019-20 :**

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  46. M. Premkumar, and R. Sowmya "Certain Study on MPPT Algorithms to track the Global MPP under Partial Shading on Solar PV Module/Array", International Journal of computing and digital systems, Vol.No.08, Issue No.04, pp.405-412, July 2019 (**Indexed in: Scopus**)
  47. RK Patnaik, K Anjaiah, Rakesh Kumar Pattanaik , “A Simple Decision Tree Based Event Classification Technique For Multiple Power Quality Disturbance Signals,” International Journal of Innovative Technology and Exploring Engineering (IJITEE) Vol. No.8, Issue No.6, April 2019 (ISSN: 2278-3075) (**Indexed in: Scopus**)

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**2018-19 :**

**2018-19 :**

**National Conference:**

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**2018-19 :**

**National Journal:**

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**2018-19 :**

**International Conference:**

1. Kishore T S, Koushik S D, Venu Madhavi Y, “**Modelling, Simulation and Analysis of PI and FL Controlled Microgrid System**”, 3rd IEEE International Conference on Electrical, Computer and Communications Technologies (ICECCT 2019), SVS College of Engineering, Coimbatore, India, 20-22 Feb, 2019.
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4. M.Rambabu, D.Rajesh Babu, “**Hybrid Power Generation in Remote locations using Renewable Energy Sources**”, International Conference on Advances in Science & Technology, Organized by Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur, May 2018.
5. Upendra Kumar Potnuru, P.Mallikarjuna Rao, “**Design optimization for permanent magnet machine with efficient slot per pole ratio**”, AIP Conference Proceedings 1952, 020117 (2018); DOI: 10.1063/1.5032079 (Indexed in: Scopus)
6. K.V.S. Prasad, “**Quality Management in Technical Education: A Case Study on Perceptions of Students**”, 2<sup>nd</sup> International Conference on Contemporary Engineering and Technology- 2018, Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering & Technology (PSCMR), Vijayawada, 2<sup>nd</sup> & 3<sup>rd</sup> April, 2018.
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**2018-19 :**

**International Journal:**

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2. M. Premkumar, R. Vijaya Krishna, R. Mohan Kumar, and R. Sowmya, "Protection to Grid Tied Converters and Power Quality Control using Active Shunt Filter", *International Journal of Engineering and Advanced Technology (IJEAT)*, Vol. No.8, Issue. No. 3, February 2019, pp. 449-456. (Scopus Indexed)
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**2017-18 :**

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### **National Conferences:**

1. M.Prem Kumar and R.Sowmya, “**Regenerative Electric Braking on Electric Bicycle and Storage of Energy Using Ultra Capacitor**”, 2<sup>nd</sup> National Conference on “Emerging Trends in Power Energy and Control” (ETPEC – 2017), Vignan's University, Guntur, during 11<sup>th</sup>& 12<sup>th</sup> August 2017.
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18. P.Praveen Kumar, G.Srinadha Sarma, R.Pradip Kumar, "**Barriers for Implementation of Renewable Energy Technologies in Rural Areas - A Review**" International Journal of Trend in Scientific Research and Development(IJTSRD), Vol.1, Issue 6, pp. 942-945, October 2016.
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  20. V.Srikanth Babu and S.Aivelu, "**Load Frequency Controllers Design and Comparison for Inter Connected Hydro-Thermal Systems**", International Journal of Innovative Research in Science Engineering and Technology, Vol. 6, Issue 8, pp. 307-315, August 2017. (ISSN No.:2319-8753)
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  22. M.Prem Kumar and R.Sowmya, "**Energy Efficient Operation of Three Phase Induction Motor using Delstar Converter for Machine Tools**", International Journal of Electrical and Computer Engineering (IJECE), Vol. No.07, Issue No.04, PP.1706-1713, August 2017. (Impact Factor: XXX), (Indexed in: Scopus) (ISSN No.:2088-8708).
  23. M.Ram Babu and P.Raviteja, "**Quadrature phase locked loop Based Control Strategy with Dual Stage Conversion for Solar PV**", International Journal of Pure and Applied Mathematics, Vol. No. 114, Issue No. 8, pp. 1-11, Aug 2017 (Impact Factor: 0.338) (Indexed in: Scopus) (ISSN No:1311-8080).
  24. J.S.V.Siva Kumar and P Venkata Sateesh, "**Design And Simulation of DC-DC Converter With High Voltage Gain for Fuel Cell Based Vehicles**", International Journal of Mechanical Engineering and Technology (IJMET), Vol. No. 8, Issue No. 8, pp. 565-574, August 2017, (Impact Factor: XXX), (Indexed in: Scopus) (ISSN Print: 0976-6340 and ISSN Online: 0976-6359)
  25. M.Venkatesh and G.Sudheer, "**Optimal Load Frequency Regulation of Micro-Grid Using Dragonfly Algorithm**", International Research Journal of Engineering and Technology(IRJET), Vol.No.04, Issue.No.8, pp. 978-981, August 2017.(Impact Factor: 5.181) (ISSN No.:2395-0056).
  26. R.Ramakrishna and V.Srikanth Babu and P.V.Ramana Rao, "**ANFIS based Coordinated Frequency Control of Wind, PV and Diesel Interconnected System**", International Journal of Pure and Applied Mathematics, Vol. 114, No. 7, pp. 185-195, July 2017. (Scopus,0.366) (ISSN No.1311-8080)
  27. Koushik S D and Kishore T S and Sussanna M M, "**Design and simulation of standalone closed loop IRES for remote areas**", International Journal of Control Theory and Applications", Vol. 10, No.16, pp. 115-123, July 2017.
  28. M.Rambabu and G.V.Nageshkumar and S.Siva Nagaraju, "**Power Control Approach for a Variable-Speed Wind Turbine with PMSG**", International Journal of Control Theory and Applications, Vol. 10, No. 16, pp. 125-137, July 2017.

29. Devendra Potnuru and Javvaji Anilkumar, "**A Dc-Dc Converter for Low Power Applications Using Arduino UNO Microcontroller**", International Journal of Pure and Applied Mathematics, Vol. 114, No. 7, pp. 123-126, July 2017 (Scopus Indexed,0.366)
  30. Ravi Kumar Jalli and Saptarshi Roy, "**Assesment of health of transformer: a survey**", International Journal of Pure and Applied Mathematics, Vol.114, No. 7, pp. 281-291, July 2017. (Scopus,0.366)
  31. Ayyarao SLV Tummala and Ravi Kiran Inapakurthi and P.V. Ramanarao, "**A Novel Gain Tuning of Anti-Windup PID Controller using Ant Lion Optimization**", International Journal of Control Theory and Applications(IJCTA), Vol. 10, No. 16, pp. 85-94, July 2017.
  32. Ramana Pilla and Mamidi Durga Venkata Nookaraju, "**Simulation of a Grid Connected Photovoltaic Array with Maximum Power Point Tracking**", International Journal of Pure and Applied Mathematics, Vol. 114, No. 7, pp.217-225, July 2017 (Scopus,0.366)
  33. M.Premkumar and R.Sowmya, "**Automated Mobility Support System for Bedridden People**", IIOAB Journal, Vol. 8, No. 3, pp 30-35, 2017. (Indexed in ESCI-Thompson Reuters, Impact Factor: 0.55)
  34. G.Chandra Sekhar and M.Rambabu and A.Appa Rao, "**Solar and Wind Energy Sources Interfacing to the Utility Grid Using Five Level Inverter**", International Journal of Engineering and Technology (IJET), Vol. 9, No. 2, pp 502-509, May 2017 (Google Scholar,0.42)
  35. L V Suresh Kumar and T V S Madav, "**Modelling of Common shaft Multi-generator Horizontal axis Wind turbine for Stability and Efficiency Enhancement**", International Journal of Engineering and Technology (IJET), Vol. 3, No. 3, pp 1-5,May2017
  36. Damala Rajesh Babu and M.T.Naik and A.Jayalaxmi, "**A Prototype model of augmented solar tracking system for electric vehicles**", International Journal of Engineering and Technology (IJET), Vol. 10, No. 16, pp 23-31, May 2017. (Google Scholar,0.42)
  37. Premkumar .M and Himabindhu .B and Ramani J.B, "**Wireless Notice through GSM Module Using Arduino UNO**", International Journal of Trend in Research and Development, Vol. 4, No. 2, pp 381-384, April 2017, ( Impact Factor-3.025 }
  38. Premkumar.M and Praveen Kumar.N and Meher Akhil .M and Rambabu.M and Pradeep Chandra.M, "**Autonomous Amphibious Robot**", Advances in Natural and Applied Sciences, Vol. 11, No. 2, pp 277-283, April-2017. (Impact Factor-0.118)
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## 2016-17 :

### National Conference:

1. K.V.S.Prasad and G.Chandrayya "**Limited Liability Partnership – A New Opportunity**", A national seminar being organized by Department of Commerce, Government College(A), Rajahmundry, 25<sup>th</sup>& 26<sup>th</sup> November, 2016.
2. L.V.Suresh Kumar, "**Multi winding transformer through multi level inverter with super capacitor base standalone integrated wind energy system**", national conference on new trend in multidisciplinary research and practice (NTMRP-2016), Organized by Department

of Electrical and Electronics Engineering, GITAM University, Bangalore, during 7<sup>th</sup> -8<sup>th</sup> October 2016.

3. L.V.Suresh Kumar, “**A logic sort algorithm based voltage balancing of modular multilevel converters in back HVDC Systems**”, national conference on new trend in multidisciplinary research and practice(NTMRP-2016), Organized by Department of Electrical and Electronics Engineering, GITAM University, Bangalore, during 7<sup>th</sup> -8<sup>th</sup> October 2016.
4. M.Rambabu, “**Low-Voltage Ride-Through for a Single-Phase Transformerless PV system using HERIC Topology**”, national conference on new trend in multidisciplinary research and practice (NTMRP-2016), Organized by Department of Electrical and Electronics Engineering, GITAM University, Bangalore, during 7<sup>th</sup> -8<sup>th</sup> October 2016.

**2016-17 :**

**National Journal:**

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**2016-17 :**

**International Conference:**

1. Ayyarao T.S.L.V., Hara Prasad and Hemanth Kumar” **Optimal Load Frequency Control of Electric Vehicle Based Micro-Grid Using Grey Wolf Optimization**”, International Conference on Computing of Power, Energy & Communication-ICCPEIC -2017, Adhiparasakthi Engineering College, March 2017.
2. M.Vinay Kumar and G.V.Nagesh Kumar, “**Field Programmable Gate Array Chip Design for Hybridized PSO-BFOA Based Maximum Power Point Tracker**”, National conference on new trend in multidisciplinary research and practice(NTMRP-2016), Organized by Department of Electrical and Electronics Engineering, GITAM University, Bangalore, during 7<sup>th</sup> and 8<sup>th</sup> October 2016.
3. Ayyarao T.S.L.V., P.V.Ramanarao, “**Tuning of Extended Kalman Filter for Power Systems using Two Lbest Particle Swarm Optimization**”, International Conference on Smart Electric Grid (ICSEG-2016), K. L. University, Vijayawada, 22<sup>nd</sup>-23<sup>rd</sup> December-2016.
4. G.Chandra Sekhar, M.Venkatesh and A.Appa Rao, “**Wind Energy Source Interfacing to Grid by using Five-Level Inverter**”, 2<sup>nd</sup> International Conference on Smart Electric Grid, Organized by K.L University, December 2016
5. T.S.Kishore, “**Design and Simulation of Standalone Closed loop IRES for Remote Areas**”, 2<sup>nd</sup> International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation (ASECI – 2016), Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, Andhra Pradesh, 22<sup>nd</sup> and 23<sup>rd</sup> October 2016.
6. Ayyarao SLV Tummala, Ravikiran Inapakurthi, “**A Novel Gain Tuning of Anti-windup PID Controller using Antlion Optimization**”, 2<sup>nd</sup> International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation,(ASECI-2016), Organized by VR Siddhartha Engineering College ,Vijayawada, Andhra Pradesh, 22<sup>nd</sup> and 23<sup>rd</sup> October 2016.
7. D.Rajesh Babu, “**A Prototype Model of Augmented Solar Tracking System for Electric Vehicles**”, 2<sup>nd</sup> International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation,(ASECI-2016), Organized by VR Siddhartha Engineering College ,Vijayawada, Andhra Pradesh, 22<sup>nd</sup> and 23<sup>rd</sup> October 2016.

8. L.V.Suresh Kumar, "**Harmonic Analysis of PSO Tuned PI Controller Gains For Multilevel Inverter Base P&O Mppt Photovoltaic System**", 2<sup>nd</sup> International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation,(ASECI-2016), Organized by VR Siddhartha Engineering College ,Vijayawada, Andhra Pradesh, 22<sup>nd</sup> and 23<sup>rd</sup>October 2016.
9. M.Rambabu, "**Power Control Approach for a Variable-Speed Wind Turbine with PMSG**", 2<sup>nd</sup> International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation,(ASECI-2016), Organized by VR Siddhartha Engineering College ,Vijayawada, Andhra Pradesh, 22<sup>nd</sup> and 23<sup>rd</sup>October 2016.
10. Bharani Chandra Kumar Pakki, "**Actuator Faults and Blow-Down Limit Detection, and Fault Tolerant Control for the RECONFIGURE Benchmark Problem**", IEEE Multi-Conference on Systems and Control, Control System Society, NH City & Towers Hotel, Buenos Aires, Argentina, 19<sup>th</sup> – 22<sup>nd</sup>September, 2016
11. Bharani Chandra Kumar Pakki, "**Development and Evaluation of Sliding Mode Schemes for the RECONFIGURE Benchmark Problem**", 3rd Conference on Control and Fault-Tolerant Systems (SysTol'16), Research Center for Supervision, Safety and Automatic Control of the Universitat Politècnica de Catalunya,IEEE Control Systems Society,Barcelona, Catalonia, Spain, during 7<sup>th</sup> – 9<sup>th</sup>September, 2016.
12. J.S.V.Siva Kumar, "**Design Of Hybrid Dc/Dc Step-Up Converter With High Voltage Gain For Fuel Cell Based Electric Vehicle Applications**", A two day International Conference on Recent innovations in Engineering, Science, Humanities and Management, Organized by the School of Engineering, Gayathri Vidya Parishad College for Degree & PG Courses, Visakhapatnam, during 11<sup>th</sup> & 12<sup>th</sup> August 2016.
13. M.Rambabu and R.Vijaya Krishna, "**Power Analysis For A Variable Speed Wind Energy Conversion System Under Variable Load Conditions**", A two day International Conference on Recent innovations in Engineering, Science, Humanities and Management, Organized by the School of Engineering, Gayathi Vidya Parishad College for Degree & PG Courses, Visakhapatnam, during 11<sup>th</sup> & 12<sup>th</sup> August 2016.
14. P. Devendra, "**Simulation of sliding mode observer for sensorless control of BLDC motor**", A two day International Conference on Recent innovations in Engineering, Science, Humanities and Management, Organized by the School of Engineering, Gayathi Vidya Parishad College for Degree & PG Courses, Visakhapatnam, during 11<sup>th</sup> & 12<sup>th</sup> August 2016.
15. L.V.Suresh Kumar, "**Micro Inverter Base Grid Connected Photo voltaic Sytem**", Seventh International Conference on Advances in Computing, Control, and Telecommunication Technologies - ACT 2016, 12<sup>th</sup> and 13<sup>th</sup>August 2016.

## 2016-17 :

### International Journals:

1. T.S.L.V.Ayyarao, P.V.Ramana Rao, "**Tuning of Extended Kalman Filter for Power Systems using Two Lbest Particle Swarm Optimization**", IJCTA, Vol. 10, Issue5, pp 197-206, 2017. (Impact factor: 0.85) (Scopus Indexed) (ISSN No: 09745572)
2. P.Upendra Kumar, R.Vijaya Krishna, "**Synthesis, Design and Implementation of Power Electronic Converter using Electronic Triggering Circuit for Pedagogic Applica-**

- tions”, International Journal for Modern Trends in Science and Technology, Vol. 03, Issue 02, pp 57-65, February 2017. (ISSN No.:2455-3778)
3. G.Chandra Sekhar, M.Venkatesh and A.Appa Rao, “**Wind Energy Source Interfacing to Grid by using Five-Level Inverter**”, *IJCTA*, Vol. 10, Issue 5, pp 577-587, March 2017. (Indexed in: Scopus) (ISSN No.: 0974-5572)
  4. M.Venkateswara Rao, Ch.V. Suresh and S.Sivanagaraju, “**Generalized Unified Power Flow Controller for Optimal Reactive Power Dispatch by Considering Practical Constraints**”, *Indian Journal of Science and Technology(IJST)*, Vol. 10, Issue 5, pp 1-7, February 2017. ((Indexed in: SCI ZR)ISSN (Online) : 0974-5645)
  5. T.S.Kishore, M.Selvaraj and S.K.Singal, “**Methodology for Cost Estimation of Overhead Power Transmission Lines**”, *International Journal of Power and Energy Conversion*, Vol. 8, Issue 2, pp. 132-145, 2017. (Indexed in: Scopus) (ISSN No.: 1757-1162)
  6. T.S.Kishore, S.D.Koushik and I.Vidyabharati, “**Life Cycle Costing based LCOE Method for Economic Analysis of Low Head Small Hydro Power Plants in India**”, *Water & Energy International*, Vol. 59, Issue 10, pp. 43 to 48, January 2017 . (Indexed in: Scopus) (ISSN No : 0974-4711)
  7. M.Vinay Kumar, G.V.Nagesh Kumar, “**Field Programmable Gate Array Chip Design for Hybridized PSO-BFOA Based Maximum Power Point Tracker**”, *International Journal of Control Theory and Applications*, Vol. 9, Issue 32, pp 119-128, November 2016. (Impact Factor: 8.40)(Indexed in: SCIE ) (ISSN No.: 0974-5572)
  8. Devendra Potnuru, Alice Mary K, Saibabu Ch., “**Design and implementation methodology for rapid control prototyping of closed loop speed control for BLDC motor**”, *Journal of Electrical Systems and Information Technology*. Article in press with DOI (<http://dx.doi.org/10.1016/j.jesit.2016.12.005>)
  9. **Kumar P. Bharani Chandra**, H. Alwi, and C. Edwards, “**Fault Detection in Uncertain LPV Systems with Imperfect Scheduling Parameter Using Sliding Mode Observers**,” Accepted (and available online) in *European journal of control*, 2017. doi: 10.1016/j.ejcon.2016.12.001. (Impact factor: 1.342) (SCI Indexed, ISSN No: 0947-3580)
  10. M.Rambabu, G.V.Nagesh Kumar and S.Siva Nagaraju, “**Low-Voltage Ride through for a Single-Phase Transformer Less PV System using HERIC Topology**”, *International Journal of Control Theory and Applications (IJCTA)*, Vol. No.9, Issue No.32, pp. 129-138, Dec 2016. (Indexed in: Scopus) (ISSN No.:0974-5572)
  11. M.Rambabu, G.V.Nagesh Kumar and S.Siva Nagaraju, “**Energy Management of Micro Grid using Support Vector Machine (Svm) Model**”, *The IIOAB Journal, Institute of Integrative Omics and Applied Biotechnology(IIOAB)*, Vol. No.7, Issue No.11, pp 116-132, Oct- Dec 2016. (Indexed in: emerging SCI (E-SCI)) (ISSN No.:0976-3104)
  12. P. Ramana, K. Alice Mary and M. Surya Kalavathi, “**State Estimation of Permanent Magnet Synchronous Motor Drive using Non-Linear Full Order Observer**”, *The IIOAB Journal*, Vol.7, No.11, , pp.68-77, November 2016. (Indexed in: Emerging Source Citation indexed) (E-SCI)(ISSN No.0976-3104)
  13. P. Ramana, K. Alice Mary and M. Surya Kalavathi, “**Design Methodology for Torque-Angle Control of a Non-linear Vector Controlled Permanent Magnet Synchronous Motor**”, *World Journal of Modelling Simulation (WJMS)*, Vol. 12, No.4, pp.281-291, November 2016.(Indexed in: SCOPUS) (ISSN No.1746-7233)

14. P. Ramana, T.S.L.V. Ayya Rao and Ch. Maheswara Rao, “**Tuning of Extended Kalman Filter using SaDE algorithm for Sensorless Permanent Magnet Synchronous Motor Drive**,” International Journal of Engineering, Transactions-B: Applications, Vol.29, No.11, pp.1565-1573, 2016. (Indexed in: SCOPUS) (ISSN No.1735-9244)
15. L.V.Suresh Kumar, G.V.Nagesh Kumar, “**Multi Winding Transformer through Multi Level Inverter with Super Capacitor Base Standalone Integrated Wind Energy System**”, International Journal of Control Theory and Applications, Vol. No.9, Issue No.32, pp 1-9, December 2016. (Indexed in: Scopus) (ISSN No.:0974-5572).
16. L.V.Suresh Kumar, G.V.Nagesh Kumar, “**A Logic Sort Algorithm based Voltage Balancing of Modular Multilevel Converters in Back HVDC Systems**”, International Journal of Control Theory and Applications, Vol. No.9, Issue No.32, pp 11-22, December 2016. (Indexed in: Scopus) (ISSN No.:0974-5572).
17. P.Devendra, K.Alice Mary, Ch.Sai Babu, “**Open Loop Speed Control of Brushless DC Motor using Low Cost Arduino UNO Processor**”, I-manager’s Journal on Electrical Engineering, Vol. No.10, Issue No. 1, pp 1-6, November-2016. (Impact Factor- 0.786, Indexed in: Google scholar, ISSN Online: 2230-7176)
18. P. Praveen Kumar, “**Modeling and Control Strategy of the Modular Multilevel Converter**”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. No.5, Issue No.10, pp 7907-7914, October 2016. (Impact Factor: 5.621) (Indexed in: Google scholar etc) (ISSN No.: 2278 – 8875)
19. K.V.S.Prasad, “**Electronic Waste – An Emerging Threat to the Health and Environment**”, Pollution Research, Vol. No. 35, Issue No.3, pp.587-593, September 2016. (Impact Factor: NAAS Rating - 4.75) (Indexed in: SCOPUS ) (ISSN 0257-8050).
20. Harish Balaga, “**Generalized Regression Neural Network and Wavelet Transform for Transformer Protection**”, Int. J. Emerg. Res. Manag. & Technology, Vol. 5, Issue 8, pp. 73–80, 2016. (Impact Factor: 1.492) (Indexed in: Google scholar/CiteSeer etc) (ISSN No.:2278-9359)
21. Srinivasa Kishore Teegala, “**Design and Simulation of Standalone Integrated Renewable Energy System for Remote Areas**”, International Journal of Research in Engineering and Technology, Vol. No.5, Issue No.5, pp 192-199, August 2016. (Impact Factor: 3.935) (Indexed in: Google scholar) (ISSN No.:2319-1163)
22. P. Devendra, “**Simulation of Sliding Mode Observer for Sensorless Control of BLDC Motor**”, International Journal of Electrical & Electronics Engineers, Vol. No.8, Issue No.2, pp 40-50, July-December, 2016. (Impact Factor: 1.6)
23. P.Ramana and S.L.V.T.Ayya Rao, “**Tuning of Extended Kalman Filter for Speed Estimation of PMSM Drive using Particle Swarm Optimization**”, International Journal of Application or Innovation in Engineering & Management (IJAIEM), Vol.5, Issue 7, pp. 100-107, July 2016. (Impact Factor: 2.379)
24. J.S.V.Siva Kumar, “**Design of Hybrid Dc/Dc Step-Up Converter with High Voltage Gain for Fuel Cell Based Electric Vehicle Applications**”, International Journal of Electrical and Electronics Engineers, Vol. 8, Issue 2, pp. 138-148, July-December 2016. (Impact Factor: 0.501)
25. L.V.Suresh Kumar, “**Power Conversion in Renewable Energy Systems: A Review of Advances in Wind and PV System**”, International Journal of Energy Research, Vol. 40, Issue 10, pp 1-83, August 2016. (Impact Factor: 2.529) (Indexed in SCIE)

26. L.V.Suresh Kumar, “**Diode Clamped Based Stand Alone Photovoltaic with POD**”, International Journal of Energy Research, Vol. 11, Issue 4, pp 55-62, August 2016. (Impact Factor: 1.419)
27. G Chandra Sekhar, “**Solar Energy Interfacing to Grid by Using Five-Level Inverter**”, International Journal of Electronics & Communication Technology, Vol. 7, Issue 3, pp 24-29, July 2016. (Impact Factor: 3.871)
28. Satish Kumar Injeti, “**An efficient approach for optimal multilevel thresholding selection for gray scale images based on improved differential search algorithm**”, International Journal of Ain Shams Engineering Journal, Elsevier, DOI:10.1016/j.asej.2016.06.007, July 2016. (Impact Factor: 1.027) (Indexed in: SCI))
29. P.Devendra, “**Adaptive PID Fuzzy Gain Scheduling for Performance Enhancement of Brushless D.C Motor using DSPACE DS1103**”, International Journal of Applied Engineering Research, Vol.11, pp. 7020-7024, June 2016. (SCOPUS Indexed)
30. L.V. Suresh Kumar, “**Pattern search algorithm based automatic online parameter estimation for AGC with effects of wind power**”, International Journal of Electrical Power and Energy Systems, Elsevier, Vol.84, pp. 135 to 142, May 2016.
31. D.Rajesh Babu, “**An Infrared Sensor Based Simple and Low Cost Automatic Light Switching System**”, International Journal of Innovative Research in Science Engineering and Technology, Vol. 5, Issue 5, May 2016.
32. I.Satish Kumar, “**Optimal tuning of PID controller for LFC of two area power system (PV-diesel) using bio-inspired optimization algorithms**”, International Journal of World Journal of Modelling and Simulation, Vol. 12, No. 2, pp. 112-124, May 2016.
33. G.Chandra Sekhar, “**A logic based protection scheme for six phase transmission system against shunt and series faults**”, International Journal of World Journal of Modelling and Simulation, Vol. 12, No. 2, pp. 125-136, May 2016.
34. P.Upendra Kumar, “**Design Of A Linear And Non Linear Controller For Induction Motor**”, International Journal for Modern Trends in Science and Technology, Vol. 2, Issue 6, May 2016.

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**2015-16 :**

**2015-16**

**National Conferences:**

1. L. V. Suresh Kumar, “**Review on Conventional Diode Clamped Multilevel Inverter**”, A national Conference on Recent Advances in power ,control and drives for sustainable Energy (PCDSE-16), Organized by GITAM University, Visakhapatnam, 4th & 5th March 2016
2. P.Devendra, “**Self turning of PID controller for speed control of BLDC Motor using Fuzzy gain scheduling**”, Recent Trends in Power Electronics & Drives, Organized by AITAM, Tekkali during 22<sup>nd</sup>& 23<sup>rd</sup> January, 2016 .
3. P. Devendra, “**Parameter Estimation and Speed Control of BLDC Motor**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.

4. M. Rambabu, “**Solar Resonant Converter Fed DC Drive using MPDT**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.
5. T.S.L.V. Ayya Rao, “**Dynamic State Estimation by Advanced Non-Linear Filter**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.
6. L.V. Suresh Kumar, “**Harmonic Analysis of Multilevel Inverter with Hybrid Energy Systems**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.
7. S. Lalitha Kumari, “**Fuzzy Logic Based Power System Stabilizer for Dynamic Stability Enhancement**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.
8. S. Lalitha Kumari, “**Security Analysis using SVM based on Composite Criteria**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.
9. I. Ravi Kiran, “**A Single-Phase to Three-Phase Conversion System using DSVPM Control Technique**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.
10. R. Ramakrishna, “**Comparison of Performance of 3Ø Modulation Motor with SPWM & SVPWM Techniques using MATLAB / Simulink**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.
11. P. Praveen Kumar, “**A 3Ø Multilevel D-STATCOM Inverter using MMC Topology**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.
12. T. Satya Narayana, “**Power Quality Improvement of Distribution System due to unbalance and Non-Linear Load**” , a two day National Conference on Electrical Power & Energy Systems (EPES-2015) under TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8<sup>th</sup>& 9<sup>th</sup> May, 2015.

**2015-16**

**National Journals:**

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**2015-16**

**International Conference:**

1. K.V.S.Prasad, “**Electronic Marketing - The New Trend in E-Commerce: An overview**”, International Conference on Marketing in Emerging Economies (CMSIMC 2016), Centre for Management Studies, Jamia Millia Islamia (Central University) New Delhi, 18<sup>th</sup> February 2016.



2. L.V. Suresh Kumar, “**PSO Based Tuning of a Integral and Proportional Integral controller for a Closed Loop Stand Alone Multi Wind Energy System**”, International Conference on Computational Intelligence in Data Mining, RIT Berhampur, 5<sup>th</sup> & 6<sup>th</sup> December, 2015. (DOI 10.1007/978-81-322-2734-2\_44)
3. Suresh Kumar L. V., “**A Comparative Analysis of Circulating Current Controllers for Modular Multilevel Converters**”, 12<sup>th</sup> IEEE India International Conference on Electronics, Energy, Environment, Communication, Computer and Control, (E3-C3), held at Jamia Millia Islamia, New Delhi, during 17<sup>th</sup> to 20<sup>th</sup> December, 2015.
4. L.V. Suresh Kumar “**Differential Evolution Based Tuning of Proportional Integral Controller for Modular Multilevel Converter STATCOM**”, International Conference on Computational Intelligence in Data Mining, RIT Berhampur, 5<sup>th</sup> & 6<sup>th</sup> December, 2015. (DOI 10.1007/978-81-322-2734-2\_44)
5. K.V.S. Prasad, “**Electronic Waste – An Emerging Threat to the Environment and Health**”, International Conference on E – Waste Management, in ATULYAM – 2015 (Faculty Management Studies) at Dr. M.G.R. Educational and Research Institute University, Chennai on 20<sup>th</sup> & 21<sup>st</sup> August, 2015.

## 2015-16

### International Journal:

1. T. S. Kishore “**Optimal costing of overhead power transmission lines using genetic algorithms**”, International Journal of Electrical Power and Energy Systems, Vol. 83, Issue 2, pp.298–308, April 2016.
2. P.Devendra, “**Derivative-free Square-root Cubature Kalman Filter for Nonlinear Brushless DC Motors**”, International Journal of IET Electric Power Applications, Vol.10, Issue 4, April 2016.
3. V Sanjay Kumar, Harish Balaga, “**Rotor Flux Estimation of Induction Motor using Artificial Neural Network**”, Journal of the International Association of Advanced Technology and Science, Vol.16, November 2015.
4. D.Rajesh Babu, V.Srikanth Babu and T.Satyanarayana, “**Tracker Robot using Dual Tone Multiple Frequency (DTMF) and Microcontroller**”, IEEE Explore, An International Journal, DOI: 10.1109/EESCO.2015.7253772, 15<sup>th</sup> September 2015.
5. P.Ramana, “**Design of Non-Linear Reduced and Full Order Observers for an Inverter Fed Permanent Magnet Synchronous Motor Drive**”, International Journal of Indian Journal of Science and Technology, Vol. 9, Issue 2, March 2016.
6. G.Chandra Sekhar, I.Satish Kumar, “**Analysis and Comparative Study of Six Phase Transmission System**”, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, Issue 2, February 2016.
7. P. RAMANA, “**Parameter Estimation of Permanent Magnet Synchronous Motor-A Review**”, i-manager’s Journal on Electrical Engineering, Vol.9, Issue 2, February 2016.
8. L. V. Suresh Kumar, “**Modeling of wind energy based microgrid system implementing MMC**”, Vol.40, Issue. 2, pp:125-284, January 2016.
9. K.V.S. Prasad, “**Development of Power Sector in Andhra Pradesh with reference to Performance of APEPDCL**”, International Journal of Engineering and Management, Vol. 5, Issue 6, pp 539-544, December, 2015.

10. M. Rambabu, “**PQ Control based Grid Connected DG Systems**”, International Journal of Engineering Research (IJER), Vol. No. 4, Issue No. 10, pp : 523-526, 1st October, 2015.
11. J.S.V. Siva Kumar, “**Design and Simulation of DC-DC Converter for Fuel Cell Operated Vehicle with Single Reference Six Pulse Modulation**”, International Journal of Engineering Research (IJER), Vol. No. 4, Issue No. 10, pp : 534-538, 1st October, 2015.
12. V. Srikanth Babu & T. Suresh Kumar, “**Modeling of Static VAR Compensator Employing a Cascaded H-Bridged Multilevel Converter**”, International Journal of Applied Engineering Research (IJAER), Research India Publications, Vol. 10, No.16, pp. 37057-37062, October, 2015. (Impact Factor: 1.823, INDEXING: SCOPUS)
13. M. Vinay Kumar, “**A Novel Single Phase Eleven-Level Grid-Connected Transformer less Converter Topology for PV Systems**”, International Journal of Current Research (IJCR), Vol. 7, Issue 10, pp. 21142-21149, October, 2015.
14. M.Venkatesh, “**Battery Based Quasi Z-Source Inverter for PV Power Generation Connected to Grid**”, International Journal of Engineering Research and Applications (IJERA), Vol. 5, Issue 8, (Part-5), pp. 181-186, August, 2015. (Impact Factor:1.69)
15. M.Rambabu, M.Venkatesh, J.S.V. Siva Kumar & T.S.L.V. Ayya Rao, “**Three Zone Protection by using Distance Relays in SIMULINK/MATLAB**”, International Research Journal of Engineering and Technology (IRJET), Vol. 2, Issue 5, August, 2015. (Impact factor: 2.518)
16. P.Ramana, “**Parameter Identification of PMSM using LSA Method**”, International Research Journal of Engineering and Technology (IJRET), Vol. 02, Issue 05, pp. 448-452, August, 2015. (Impact Factor: 2.518)
17. V.Srikanth Babu & T.Suresh Kumar, “**Modeling of Hydro-Thermal Interconnected System with Conventional and Novel Controller**”, International Journal of Engineering Research (IJER), Vol. 4, Issue No. 9, pp: 492-497, September, 2015. (Impact Factor: 5.49)
18. M.Vinay Kumar, “**A Novel Single Phase Eleven-Level Grid-Connected Transformerless Converter Topology for PV Systems**”, International Journal of Science and Research (IJSR), Vol. 4, Issue 9, pp. 375-380, September, 2015. (Impact Factor: 4.438)
19. L.V. Suresh Kumar, “**Application of Modular Multilevel Converter for AGC in an Interconnected Power System**”, International Journal Electrical Power and Energy Systems, Elsevier Publisher, No. 74, page 293-300, August, 2015.
20. L.V. Suresh Kumar, “**Fault Ride-Through Capability of Modular Multilevel Converter Based STATCOM**”, International Journal of Emerging Trends in Electrical and Electronics (IJETEE), Vol. 11, Issue. 4, August, 2015.
21. P. Devendra, L.V. Suresh Kumar, “**Yaw Control of Horizontal Axis Wind Turbine Using LVDT Module**”, International Journal of Applied Engineering Research (IJAER), Research India Publications, Vol. 10, No. 13, Page No. 33904-33908, , August 2015.
22. M.Venkatesh, & R. Ramakrishna, “**Economic Load Dispatch using Simulated Annealing Algorithm**”, International Research Journal of Engineering and Technology (IRJET), e-ISSN 2395-0056, p-ISSN 2395-0072 Vol. 2, Issue 3, pp 1961-1964, June-2015 (Impact Factor : 2.518)
23. T.S. Kishore, “**Analysis of Investment Issues and Transmission Schemes for Grid Integration of Remote Renewable Energy Sources**”, International Journal of Renewa-

ble Energy Research (IJRER), Vol. 5, Issue 2, pp. 483-490, 30<sup>th</sup> June-2015 ( Indexed by Scopus)

24. T.S. Kishore, “**Economic Analysis of Power Transmission Lines using Interval Mathematics**”, International Journal of Electrical Engineering & Technology, Vol. 10, Issue 4, ISSN (Print): 1975-0102, ISSN (Online): 2093-7423, pp. 1472-1480, KIEE Publisher, July-2015 (Impact Factor : 0.517 , Indexed by SCIE / Scopus,)
25. L.V. Suresh Kumar, “**Nine Phase Transformer through MLI Base Stand Alone Integrated Wind Energy System**”, International Journal of Advanced Research in Electrical Electronics and Instrumentation Engineering, Vol. 4, Issue 7, July-2015 (Impact Factor : 5.016)
26. P. Praveen Kumar, “**Comparative Study of Multicarrier PWM Techniques for Different Levels of Modular Multilevel Inverter**”, International Journal of Emerging Trends in Engineering and Development, R.S. Publication, Vol.4, Issue 5, pp 66-66, June-July, 2015. (ISSN 2249-6149)
27. P. Praveen Kumar, “**Comparative Study of Multicarrier PWM Techniques for a 33-level MMC**”, International Journal of Emerging Trends in Engineering and Development, R.S. Publication, Vol.3, Issue 5, pp 286-290, April-May 2015.
28. S. Lalitha Kumari, “**SVM based Power System Security Assessment using Composite Criteria**”, International Journal of Emerging Trends in Engineering and Development, R.S. Publication, Vol.3, Issue 5, pp 335-338, April-May 2015.

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## 2014-15

### National Conferences:

1. T. Satya Narayana, D. Rajesh Babu & V. Balaji Venkateswaran, have participated in two day seminar on “**Twenty First Century, the down of Digital Erase Pedagogical Issues of Technical Teachers**” under TEQIP Phase-II organized by ISTE Chapter, Aditya Institute of Technology & Management (AITAM), Tekkali, Srikakulam (Dist) in Association with ISTE AP Section, 15<sup>th</sup> & 16<sup>th</sup> November, 2014

### National Journals:

-----NIL-----

### International Conferences:

1. L.V. Suresh Kumar, “**Harmonic Comparison with Modular Multi Level Converter of Multi Connection Wind Energy Systems**”, International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), VIGNAN’S Institute of Information Technology, Visakhapatnam, 24<sup>th</sup> – 25<sup>th</sup> January, 2015.
2. L.V. Suresh Kumar, “**A Review on Circulating Current Suppression Control, Capacitor Voltage Balancing and Fault Analysis of Modular Multilevel Converters**”, International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), VIGNAN’S Institute of Information Technology, Visakhapatnam, 24<sup>th</sup> – 25<sup>th</sup> January, 2015.

3. P. Ramana, “**Design Methodology for Non-Linear Vector Control of Wound Field Synchronous Motor**”, International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), VIGNAN’S Institute of Information Technology, Visakhapatnam, 24<sup>th</sup> – 25<sup>th</sup> January, 2015.
4. P. Ramana, “**Design Methodology for Torque Angle Control of Non-Linear Vector Controlled Variable Reluctance Synchronous Motor**”, International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), VIGNAN’S Institute of Information Technology, Visakhapatnam, 24<sup>th</sup> – 25<sup>th</sup> January, 2015.
5. D. Rajesh Babu, V. Srikanth Babu, T. Satya Narayana, “**SolarTracker Robot Using Dual Tone Multiple Frequency (DTMF) and Microcontroller**”, International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), VIGNAN’S Institute of Information Technology, Visakhapatnam, 24<sup>th</sup> – 25<sup>th</sup> January, 2015.
6. V. Balaji Venkateswaran, “**Observability Analysis and Optimal Placement of PMU using Krill Herd Algorithm**”, IEEE Sponsored 9<sup>th</sup> International Conference on Intelligent Systems and Control (ISCO – 2015), Karpagam College of Engineering, Coimbatore, 9<sup>th</sup> & 10<sup>th</sup> January, 2015.
7. P. Devendra, “**Design of a Closed Loop Speed Control for BLDC Motor**”, International Conference on Innovations in Electrical & Electronics Engineering(ICIEEE-2014) organized by Guru Nanak Institutions, Hyderabad, during 5<sup>th</sup> & 6<sup>th</sup> September, 2014 .
8. P. Ramana, “**Vector Control Strategies for Space Vector Inverter FED PMSM**”, International Conference on Innovations in Electrical & Electronics Engineering(ICIEEE-2014) organized by Guru Nanak Institutions, Hyderabad, during 5<sup>th</sup> & 6<sup>th</sup> September, 2014 .
9. L.V. Suresh Kumar, “**Primary Frequency Control using LQG Collective Pitch Controller in Two Bladed and Three Bladed Wind Turbine Systems**” , International Conference on Innovations in Electrical & Electronics Engineering(ICIEEE-2014) organized by Guru Nanak Institutions, Hyderabad, during 5<sup>th</sup> & 6<sup>th</sup> September, 2014 .
10. M. Rambabu, “**Modeling of Fuel Cells Connected Distribution Generation System**” , International Conference on Innovations in Electrical & Electronics Engineering(ICIEEE-2014) organized by Guru Nanak Institutions, Hyderabad, during 5<sup>th</sup> & 6<sup>th</sup> September, 2014 .
11. Tiruapti Rao, “**Simulation of Solar PV System using MATLAB and XILINX**” International conference on electrical, electronics engineering trends, communication, optimization and sciences, organized by Dhanekula college of Engineering & Technology, Vijayawada, on 11th October, 2014
12. T.S.L.V. Ayya Rao, “**Speed Control of Induction Motor by using Advanced Non Linear Techniques and comparison**” International conference on electrical, electronics engineering trends, communication, optimization and sciences, organized by Dhanekula college of Engineering & Technology, Vijayawada, on 11th October, 2014
13. Appa Rao, “**Dynamic Modeling & Active and Reactive Power Control of DFIG for Wind Power Generation**” International conference on electrical, electronics engineering trends, communication, optimization and sciences, organized by Dhanekula college of Engineering & Technology, Vijayawada, on 11th October, 2014
14. Appa Rao, “**Optimal Generation Scheduling Of Short term Hydro thermal System with Fixed Head Using Particle Swarm Optimization with Sigmoid Increasing Inertia weight**” International conference on electrical, electronics engineering trends, communication, optimization and sciences, organized by Dhanekula college of Engineering & Technology, Vijayawada, on 11th October, 2014

15. G. Satish, “**Inverse Control of DC Motor using Artificial Neural Networks**” International conference on electrical, electronics engineering trends, communication, optimization and sciences, organized by Dhanekula college of Engineering & Technology, Vijayawada, on 11th October, 2014

#### **International Journals:**

1. T. Satya Narayana, “**Grid Interfacing Inverter of Renewable Energy Source with Hysteresis Current Controller for Power Quality Improvement**”, International Journal of Advanced Scientific and Technical Research (IJASTR), Vol. 2 Issue.5, pp. 227-240, March-April 2015.
2. Kishore, T S; Singal, S K, "**Design considerations and performance evaluation of EHV transmission lines in India**", Journal of Scientific & Industrial Research, Vol. 74, pp. 117-122, February 2015.
3. Kishore, T S; Singal, S K, "**Optimal economic planning of power transmission lines: A review**", Renewable and Sustainable Energy Reviews, Vol. 39, pp. 949-974, November 2014.
4. Venkatasubramanian Balaji Venkateswaran, “**Observability Analysis and Optimal Placement of PMU using Krill Herd Algorithm**”, International Journal of Applied Engineering Research (IJAER), Research India Publication, Vol. 10 No.1, pp. 176-180, March-2015
5. P. Ramana, K. Alice Mary, M. Surya Kalavathi & S.P. Avinash, “**Design Methodology for Internal Angle Control of a Non-linear Vector Controlled Variable Reluctance Synchronous Motor**”, International Journal of Applied Engineering Research, Vol.10, No.1, pp. 217-223, Research India Publications, March-2015
6. P. Ramana, M. Surya Kalavathi, K. Alice Mary & V. Dinesh Gowri Kumar, “**Design Methodology for the Field Orientation Control of a Non-Linear Vector Controlled Sinusoidal Permanent Magnet AC Motor**”, ARPN Journal of Engineering and Applied Sciences, Vol.10, No.5, pp. 2159-2166, March 2015
7. L.V. Suresh Kumar, “**Design of Wind Energy System on the Building Tower Applications**”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 4, Issue 2, page no. 344-354, February, 2015
8. Ravi Kiran, “**PV Based Single Phase Induction Motor with Seven Level Inverter**”, International Journal of Engineering, Technology Science and Research (IJETS), Volume 2, Issue 1, January, 2015.
9. A.Tirupati Rao, M. Vinay Kumar, and V. Manoj published a paper entitled, “**Analysis of Communication Failure in Multi-Infeed HVDC System**”, International Journal of Emerging Trends in Engineering and Development, Vol. 6, Issue 4, pp No. 75-84, Oct – Nov, 2014.
10. S. R. Chaitanya, J S V Siva Kumar, M. Rambabau “**Fuel Cell Supplied SVPWM Controlled Inverter Fed PMSM Drive in an Electrical Vehicle**”, International Journal of Engineering Research & Technology (IJERT), (This work is licensed under a Creative Commons Attribution 4.0 International License), Vol. 3 Issue 9, September- 2014.
11. M. Venkateswara Rao, “**Estimation of Damping Torque for Small-Signal Stability of Single Machine Infinite Bus System**”, International Journal of Research in Applied Science & Engineering Technology (IJRASET), Issue-2, Impact Factor - 3.995, October 2014.
12. T.S. Kishore, “**Costing of Overhead Power Lines**”, International Journal of Engineering Science & Management (IJESM), Vol. 4, Issue 2, pp. 55-64, July – December, 2014.

13. M. Sreedhar, “**Voltage Balancing Scheme in MMC-A New Approach**” International Journal of Emerging Electric Power Systems, Vol. 15, Issue 4, pp 389-399, August – 2014.
  14. M. Sreedhar, “**A Survey and Experimental Verification of Modular Multilevel Converters**”, International Journal of power Electronics and Drive System (IJPEDS), Vol. 4, No. 3, Page No. 363-375, September – 2014.
  15. S. Lalitha Kumari, “**Static Security Analysis using Support Vector Machine**” International Journal of Engineering Research & Technology (IJERT), Vol. 3, Issue 9, pp 507-511, September, 2014.
  16. V. Manoj, “**Speed Control of Induction Motor Using Vector Control**” International Journal of Emerging Trend in Engineering and Development, Vol. 4, Issue 4, pp. 336-348, June-July 2014.
  17. M. Venkatesh, Rama Krishna Raghutu, “**Performance Analysis of Switched Reluctance Motor using Linear Model**”, International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 2, Issue 7, pp 1841 – 1846, July 2014.
  18. M. Venkatesh & Ramakrishna Raghutu, “**Mitigation of Voltage Fluctuations in Power System Using STATCOM**”, International Journal of Engineering Research and Applications, Vol. 4, Issue 7( Version 5), pp.163-167, July 2014.
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#### 2013-14

##### National Conferences:

1. A. Tirupati Rao, P. Ramana, P. Kanta Rao “**Direct Torque Control of Induction Motor using ANN**” National Conference on Emerging Technologies in Electrical and Electronics Engineering under TEQIP-II during 7<sup>th</sup> – 8<sup>th</sup> Feb’ 2014 at Sri Vishnu College of Engineering for Women Vishnupur, Bhimavaram
2. M. Dhananjaya, M. Rambabu, Rajesh. Satii, J.S.V. Siva Kumar “**Coordination Control for Grid Connected Photovoltaic and Fuel Cell System**” National Conference on Emerging Technologies in Electrical and Electronics Engineering under TEQIP-II during 7<sup>th</sup> – 8<sup>th</sup> Feb’ 2014 at Sri Vishnu College of Engineering for Women Vishnupur, Bhimavaram

##### National Journals:

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##### International Conferences:

1. V.V.S.M.R.Raju.Pragallapati, T.S.L.V. Ayya Rao, “**A Novel Vector Control Technique for Doubly Fed Induction Generator**” International conference on Electrical Engineering (ICEE-2013), Hyderabad, India held on 6<sup>th</sup> – 7<sup>th</sup>, July-2013
2. D V Naga Ananth, G V Nageshkumar, L V Suresh kumar, Y Swamy Naidu, “**Application of Series Active Power Filter for power quality conditioning due to flickering and unbalanced loads**” 5<sup>th</sup> International Conference on Computer Applications in Electrical Engineering-Recent Advances, CERA-13, at IIT Roorkee held on 3<sup>rd</sup> – 5<sup>th</sup> October, 2013
3. T.S. Kishore, S.K. Singal “**Design Economics of EHV Power Lines**” IEEE International Conference on “Advances in Electrical Engineering – 2014” during 8<sup>th</sup> – 11<sup>th</sup> Jan, 2014 at VIT University, Vellore
4. P.V.V.S.M.R. Raju and T.S.L.V. Ayyarao, “**A New Direct Torque Control for Doubly Fed Induction Generator in Wind Power Generation: A Simulation Approach**”, International

Conference on Renewable energy and Sustainable Energy (ICRESE-2013), pp. 12-17, Dec 2013.

5. I.Vinay Kumar and I.Ravi Kiran, “**Gull Drive: An approach for autodrives**”, International Conference on Connected Vehicles and Expo (ICCVE), IEEE Conference Publications, pp. 808 – 809, Dec2013.

#### **International Journals:**

1. P. Ramana, B. Santhosh Kumar, Dr. K. Alice Mary and Dr. M. Surya Kalavathi “**Comparison of Various PWM Techniques for Field Oriented Control VSI Fed PMSM Drive**”, International Journal of Advanced Research in Electrical, Electronics & Instrumentation Engineering (IJAREEIE), Vol.2, Issue 7, July 2013.
2. P. Ramana, B. Santhosh Kumar, K. Alice Mary and M. Surya Kalavathi “**Direct Torque Control of Inverter Fed PMSM Drive using SVM**”, International Journal of Application or Innovation in Engineering & Management (IJAIEM), Vol.2, Issue 7, pp 480-486, July 2013.
3. MuraliMatcha, Sharath Kumar Papani, K. Vijetha “**Protective relaying scheme of distributed generation connected radial distribution system**”, International Journal of Energy and power engineering, pp 121-127, science publishing group, 20<sup>th</sup> July, 2013
4. G.V. Ramana, S. Lalitha Kumari “**A Novel Technique for PMSM Drives to Estimate the High Resolution Rotor Position**” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 2, Issue 7, on July, 2013
5. M. Vinay Kumar, A. HemaChander “**Performance Analysis of Photovoltaic PWM Inverter with Boost Converter using SIMULINK**” International Journal of Technology and Engineering Science [IJTES], Vol. 1 (5), pp 401-404, ISSN: 2320 – 8007, on July, 2013
6. R.S.R. Krishnam Naidu, M. Venkateswara Rao “**An Approach for Optimal Placement of UPFC to Enhance Voltage Stability**” International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 – 4847, pp307 – 313, Volume 2, Issue 8, on August 2013
7. V. DivyaKeerthi, J.S.V. Siva Kumar “**Model Reference Adaptive Control Based Parameters Estimation of Permanent Magnet Synchronous Motor Drive**” International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 – 4847, pp 267 – 275, Volume 2, Issue 8, on August 2013
8. P. Devendra, Ch. PavanKalyan, K. Alice Mary, Ch. Saibabu “**Simulation Approach for Torque Ripple Minimization of BLDC Motor Using Direct Torque Control**” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Vol. 2, Issue 8, ISSN (Print): 2320 – 3765, ISSN (Online): 2278 – 8875, pp. 3703 – 3710, August, 2013
9. B.D. Srinivasa Rao, Ch. Hemanth Kumar, V. Srikanth Babu “**Power Flow in PMSG Connected Wind Energy Conversion System through Current Source Converter Using Space Vector Modulation Technique**” International Journal Advanced Computer Research , (ISSN (print): 2249-7277 ISSN (online): 2277-7970) Vol.3 (3), Issue 11 pp 70-75 in International Conference on Engineering Trends, Technology and Research (ICETTR 2013), during 21st – 22nd September, 2013, at Nagpur, Maharashtra, India
10. M. Venkateswara Rao, K. Jayakara Babu “**Damping Sub Synchronous Resonance in Turbine – Generator Set Using GCSC, UPFC and SSSC**” International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 – 4847, pp117 – 124, Volume 2, Issue 9, on September 2013

11. P. Surya Kumari, P. Kanta Rao “**Power loss minimization using cat swarm optimization**” International Journal of Application or Innovation in Engineering & Management (IJAIEEM) ISSN 2319 – 4847, pp 174 – 181, Volume 2, Issue 9, on September 2013
  12. M. Rambabu, M. Dhananjaya and Dr. G.V. Nagesh Kumar “**Power Balancing Control for AC/DC Microgrid**” International Journal of Application or Innovation in Engineering & Management (IJAIEEM) ISSN 2319 – 4847, pp 89 – 96, Volume 2, Issue 9, on September 2013
  13. A. Appa Rao, M. Win Babu, K.S. Linga Murthy “**Forward sweeping method for solving radial distribution networks**” in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2320 – 3765, Vol. 2, Issue 9, September, 2013
  14. SrinivasRonanki, G. Indira Kishore “**Unified Power Quality Conditioning Using MC-UPQC System with ANN Technique**” in International Journal of Engineering Research and Innovative Application (IJERIA), ISSN: 2248-9278, pp 1057-1064, Vol. 1, Issue 3, during Sep – Oct, 2013
  15. SrinivasRonanki, G. Indira Kishore “**Unified Power Quality Conditioning Using MC-UPQC System with PI Controller Technique**” in International Journal of Engineering Research and Innovative Application (IJERIA), ISSN: 2248-9278, pp 1057-1064, Vol. 1, Issue 3, during Sep – Oct, 2013
  16. PP. Vinod Kumar, L.V. Suresh Kumar, Ravipudi. Sudhir “**Power Control of Grid Connected PMSG Wind Energy System**” in International Journal of International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2278-8875, pp 4668-4674, Vol. 2, Issue 9, October, 2013
  17. V. Ravi Kiran, V. Manoj, P. Praveen Kumar “**Genetic Algorithm approach to find excitation capacitances for 3-phase smseig operating single phase loads**” in an International Research Journal Caribbean Journal of Science and Technology ISSN 0799-3757, Vol. 1, pp 105-115, on October 2013
  18. Murali. Matcha, Sharath Kumar. Papani, Vijetha. Killamsetti “**Design, modeling and simulation of Fuzzy controlled SVC for 750 km ( $\lambda/8$ ) Transmission line**” in American Journal of Electrical Power and Energy Systems, Vol. 3, No. 1, pp. 1–6, on January, 2014
  19. SundaraiahNayini, Ramakrishna Raghutu “**Coordinated PSS and STATCOM Controller for Damping Low Frequency Oscillations in Power Systems**” in International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, Vol. 3, Issue 1, on January, 2014.
  20. A. Tirupati Rao, P. Ramana, P. Kanta Rao “**Modeling of CIGRE HVDC Benchmark System in MATLAB / SIMULINK**” in International Journal of Education and Applied Research (IJEAR) ISSN: 2348-0033/2249-4944, Vol. 4, Issue Spl-1, Jan – June 2014
  21. P. Surya Kumari & P. Kanta Rao, “**Voltage Stability Enhancement Using Cat Swarm Optimization Algorithm**” in International Journal of Electrical, Electronic Science and Engineering, Vol. 7, No. 11, 2013World Academy of Science, Engineering and Technology
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2012-13

National Conferences:



1. V. DivyaKeerthi, B. Vikas and J.S.V. Siva Kumar, "**MRAS Based Parameter Estimation For Induction Motor Drive**" National conference on Recent Developments in Electrical Engineering, AITAM, Tekkali, March 2013.
2. D. Narendra Kumar, K. AlfoniJose, D. Sandhya Rani, S. Lalitha Kumari "**Dynamic Adaptive Control of Mobile Robot Using RBF Networks**" National Conference on Recent Developments in Electrical Engineering (NCRDEE-2013), AITAM, Tekkali, during 15<sup>th</sup> – 16<sup>th</sup> March 2013.
3. G. Venkatesh and P. Kanta Rao, "**Stability Enhancement of Single Machine Connected to Infinite-Bus with PSS**," National conference on Contemporary Control (Con-Con-2012), A.U. Visakhapatnam, India, May 2012.
4. P. Murali Krishna. and P. Kanta Rao, "**Transient Stability Analysis of Multi Machine System Using Energy Functions**," National conference on Contemporary Control (Con-Con-2012), A.U. Visakhapatnam, India, May 2012.
5. L.V. Suresh Kumar and S. Ravipudi, "**Effect of Different Load Models on Rotor Angle Stability**", National conference on Advances in Energy and Power Control Engineering (AEPCE – 2K12), Vignan's Lara Institute of Technology and Science, pp. 5-9, Dec 2012.
6. V. Srikanth Babu and P. Kanta Rao, "**Power System Security using Contingency Analysis**" National conference on Contemporary Control in Electrical Engineering, AU, Visakhapatnam, 31<sup>st</sup> May 2013.

#### National Journals:

1. A. Chandraiah and A. Apparao, "**Optimal Location of Distributed Generation Considering Voltage Stability and Losses Indices**" Journal of Engineering Today, Vol-14, Issue 6, June 2012.

#### International Conferences:

1. K. Vijeta and D.V.S.S. Siva Sarma, "**Distribution system protection with DG resources**" International conference on Advancements in Engineering and management, RIT, ICAEM-13, 27<sup>th</sup> – 28<sup>th</sup> Feb. 2013.
2. M.Ratnamala and P.Devendra "**Torque Ripple Reduction methods for four switch BLDC Motor**" International Conference on Advanced electrical, Electronics engineering and Application, Bangalore, 2<sup>nd</sup> – 3<sup>rd</sup> Sep 2012.
3. M.Venkateswara Rao and C.B.K. Nivedita "**Particle Swarm Optimization Technique for Power System Network Security using UPFC**", International Conference on Advances in Power Conversion and Energy Technologies (APCET- 2012), Mylavaram, 2<sup>nd</sup> – 4<sup>th</sup> Aug 2012.
4. M.Venkateswara Rao and C.B.K. Nivedita "**Optimal placement of VSC based HVDC by particle swarm optimisation in power transmission**" International Conference on Electronics and Electrical Engineering (ICEEE-2012), IOAJ Bhubaneswar, India, 2<sup>nd</sup> – 4<sup>th</sup> Aug 2012.
5. P.Ramana, K.Alice Mary, M.Suryakalavathi and P.Kiran "**Speed estimation of PMSM using DTC based on EKF observer**," International Conference on Advances in Power conversion and Energy Technologies (APCET), Lakkireddy Balireddy College of Engineering, Mylavaram, AP, 2<sup>nd</sup> – 4<sup>th</sup> Aug 2012.

6. Y.Chittemma,S.Lalitha Kumari and A.Varaprasad Rao , **“Enhancement of ATC in presence of SSSC using Linear & Reactive methods”**,International Conference on Advances in Power Electronics & Instrumentation Engineering PEIE-2012,Bangalore, 3<sup>rd</sup> – 4<sup>th</sup> Aug 2012.
7. S.LalithaKumari andY.Chittemma, **“Artificial Neural Network based power system stability analysis”**International Conference on Advances in Power Electronics & Instrumentation Engineering PEIE- 2012, Bangalore, 3<sup>rd</sup> – 4<sup>th</sup> Aug 2012.
8. L.V.Suresh Kumar, T.S.L.V.Ayyarao and S.SivaKotaiah, **“Modeling and Simulation of Power Variation of Wing Energy System.”** International conference on advances in Power Conversation and Energy Technologies (APCET), 2<sup>nd</sup> – 4<sup>th</sup> Aug 2012.

#### **International Journals:**

1. G.Sailaja, M.Saishsha and T.S.L.V. Ayyarao, **“A Statistical Analysis of Loss Factor: A Case Study in APEPDCL-Kakinada”**, International Journal of Engineering Science and Technology (IJEST), Vol-5, no.-2, pp 430-435, Feb 2013.
2. D. G. Padhan and S. Majhi, **“A new control scheme for PID load frequency controller of single-area and multi-area power systems”**, ISA Transactions, Elsevier, vol-52, pp. 242–251, 2013.
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  15. M.Suresh Kumar and K.Suresh Kumar, “**Permanent Magnet Linear Synchronous Motor Drive Using Nonlinear Control**”, International journal of Engineering Research and Technology (IJERT). Vol. 1, Issue. 5, July 2012.
  16. A. Appa Rao, “**Modelling of a constant impedance load for distributed generation system**”, International journal of Engineering and Innovative Applications, vol-1, no-2, 2012.
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## 2011-12

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2. P.Saikumar, J.S.V.Siva Kumar and G.Srinivasa Rao “**Design and implementation of automated flexible multisource charging system or hybrid electric vehicles**” National conference on Recent Trends in Alternate Energy, NIT-calicut, pp. 60-61, July-2011.

### National Journals:

1. P.Venkateswarlu, P.Sai Kumar, M. Suresh Kumar and K. Sri Kumar, “**A Case Study of Sensorless Speed Control with MRAS Controller for Induction Motor Drives**”, Journal of Engineering Today, Vol-10, pp 413-422, Feb 2012.

### International Conferences:

1. D. G. Padhan and S. Majhi, “**Synthesis of PID tuning for a new parallel cascade control structure**” IFAC Conference on Advances in PID Control PID'12, Brescia, Italy, 28<sup>th</sup> -30<sup>th</sup> March 2012.
2. P. Devendra, G.rajatesh, K.Alice Mary and Ch. saibabu “**Sensorless Control of Brushless DC Motor using Adaptive Neuro Fuzzy Interference Algorithm**”, IEEE International Conference on Energy, Automation and Signal (ICEAS 2011), Institute of Technical Education & Research, Siksha ‘O’ Anusandhan Deemed to be University, Bhubaneswar, Odisha, India, 28<sup>th</sup> – 30<sup>th</sup> Dec. 2011.
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4. D. G. Padhan and S. Majhi, “**An Improved Cascade Control Structure for Time Delay Processes**” 35th national systems conference NSC-2011, IIT Bhubaneswar, 9<sup>th</sup> -11<sup>th</sup> Dec., 2011.
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1. D. G. Padhan and S. Majhi, “**An improved parallel cascade control structure for processes with time delay**”, IFAC Journal of process control, Elsevier, vol. 22, no. 5, pp.884-898, 2012.
2. D. G. Padhan and S. Majhi, “**Modified smith predictor based cascade control of unstable time delay processes**”, ISA Transactions, Elsevier, vol. 51, pp. 95-104, 2012.
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4. S. Sivakotiah and J.Rekha, “**Speed Control of Brushless DC Motor on Resonant Pole Inverter using Fuzzy Logic Controller**”, International Journal of Engineering Science and Technology (IJEST), Vol-3, no.-10, Oct 2011.
5. P.V.S.Sobhan, G.V.Nagesh Kumar, J.Amarnath and M.Vinay Kumar, “**Rotor Levitation and Auto centering by Active Magnetic Bearing using Fuzzy Logic Controller**”, Journal of Theoretical and Applied Information Technology, Vol. 32, no. 2, pp. 123 – 127, Oct 2011.
6. D. G. Padhan and S. Majhi, “**Modified Smith Predictor and Controller for Time Delay Processes**”, IET Electronics letter, IEEE Explore, vol. 47, no. 17, pp. 959-961, 2011.
7. P.Ramana, K. Alice Mary, M. Suryakalavathi and M. Phani Kumar “**Design of a Non-linear observer for VSI fed synchronous motor**”, International Journal of Electrical and Electronics Engineering, Vol-5, no.-4, pp 268-271, Autumn-2011.
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10. P.Ramana, Ch. Suresh kumar, K. Alice Mary and M. Suryakalavathi“**Parameter estimation of VSI fed permanent magnet synchronous motor by using Hartley modulating function**”, International Journal of Engineering science and technology (IJEST), Vol.3, No.8, pp. 6441-6446, August 2011.
  11. P.Saikumar, J.S.V.Siva Kumar, “ **Model Reference Adaptive Controlled Application to The Vector Controlled Permanent Magnet Synchronous Motor Drive**” International Journal Of Power System Operation Energy Management(IJPSOEM), Volume-1, Issue-1, pp. 35-41, July-2011.
  12. M.Srinivas Rao and G.Indira Kishore, “**Matrix Converter Based Fractional Frequency Transmission System**”, International Journal of Power System Operation & Energy Management (IJPSOEM), Volume-1, Issue-1, July-2011.
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2. G.B. Ravikanth and A.Apparao “**Fuzzy logic based speed controller for vector controlled cage induction motor**” National Conference of Design,operation and control of Distribution systems,HITSCollge of Engineering, pp. 33-38, 26<sup>th</sup> -27<sup>th</sup> May 2011.
3. M Syamala Kumari and G.I. Kishore, “**Application of PLC for starting of Induction motor Drive using soft starter technique**” Second National Conference on Intelligent electrical Systems, Mahacollegeo of Engineering ,Chennai, 30<sup>th</sup>-31<sup>st</sup> March, 2011.
4. D. G. Padhan and S. Majhi, “**A two-degree-of-freedom control scheme for improved performance of integrating delay processes,**” 34th national systems conference NSC-2010 , NITK Surathkal, 10<sup>th</sup> -12<sup>th</sup> December, 2010.
5. T.S.Kishore, J.Usha Rani and M.Venkateswara Rao “**Analysis and Comparison of Methods for Determining Proximity to Static Voltage Collapse**” , National Power Engineering Conference (NPEC 10), Thiagarajar College of Engineering, Madurai, 2<sup>nd</sup> - 3<sup>rd</sup> Dec 2010.
6. S.Lalitha Kumari &A.Appa Rao “**Estimating Voltage Collapse proximity Indicator Using BP Neural Network Technique**” , National Power Engineering Conference , (NPEC 10), Thiagarajar College of Engineering, Madurai, 2<sup>nd</sup> -3<sup>rd</sup> Dec 2010.
7. S. Sarat Kumar, A.Appa Rao and G. Sasi Kumar “**Placement of FACTs Devices Based on the Comparative Study of Static Voltage Stability Indices**” , National Power Engineering Conference , (NPEC 10), Thiagarajar College of Engineering, Madurai, 2<sup>nd</sup> -3<sup>rd</sup> Dec 2010.
8. P. Devendra , J.S.V. Siva Kumar and N.B. Soni, “**Harmonic reduction in PWM type AC Chopper using genetic algorithm**”, National conferences on advances in electrcal power and energy systems Siksha O Anusandhan University, Institute of Technical Education and Research, 1<sup>st</sup>-2<sup>nd</sup> Oct. 2010
9. K.Praveena, Dr. S.Sarat Kumar and M.Rambabu“**Load Flow Studies With UPFC**” National Conference on Emerging Technologies in Electrical Engineering,Adam’s Engineering college, Paloncha, Khammam, 11<sup>th</sup> -12<sup>th</sup> June 2010.

### National Journals:

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### International Conference:

1. B. S. S. Kalyan and T.S Kishore “**Mitigation of Voltagedisturbances Using D-Statcom**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7<sup>th</sup> – 9<sup>th</sup> April 2011.
2. Therissa and M.Rambabu “**Discrimination Between Inrush and External Fault Currents In Transformers Based On Neuro-Wavelet Technique**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7<sup>th</sup> – 9<sup>th</sup> April 2011.
3. M. Kalyani and M.Venkateswara Rao “**Minimization of Losses in a Transmission Line by Using UPFC**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7<sup>th</sup> – 9<sup>th</sup> April 2011.
4. T. Bhavani and M.Suresh Kumar “**Active and Reactive Power Control Using Three Phase Six Step Cycloconverter**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7<sup>th</sup> – 9<sup>th</sup> April 2011.
5. P.Ramana, K. Alice Mary and M. Suryakalavathi, “**Design of a Robust Controller for VSI Fed Non-Linear Drives**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7<sup>th</sup> – 9<sup>th</sup> April 2011.
6. P.Ramana and J.S.V.SivaKumar “**State Feed-Back Linearization of a VSI Fed Non-Linear PMSM Drive**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7<sup>th</sup> – 9<sup>th</sup> April 2011.
7. P.Ramana, B. Mary, PushpaLatha and K. Alice Mary “**Design and Simulation of an Inter-line Power Flow Controller to Compensate the Impedances of Two Similarly Dimensioned Parallel Transmission Lines**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7<sup>th</sup> – 9<sup>th</sup> April 2011.
8. P. Srinivas Rao and M.Rambabu “**Development of a Low Cost Tabletop Die Sinker Electric Discharge Machining**”, 3<sup>rd</sup> International and 24<sup>th</sup> All India Manufacturing Technology, Design and Research Conference, Andhra University College of Engineering (AU), Visakhapatnam, 23<sup>rd</sup> - 24<sup>th</sup> Dec. 2010.
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11. K. Alice Mary, M. Suryakalavathi, P.Ramana, B. Arundhati and M. P. Praveen Kumar, “**Exact Feed Back Linearization of a PMSM Drive**”, International Conference ( ICEPES), Bhopal, 26<sup>th</sup> - 28<sup>th</sup> Aug. 2010.
12. S.Siva Kotaiah“**Fault Detection and Diagnosis of an Induction Motor Using Fuzzy Logic**”, International Conference on Computational Technologies in Electrical and Electronics Engineering, IEEE-8, SIBIRCON, Russia. Pp 459 – 464, 11<sup>th</sup> – 15<sup>th</sup> July 2010.

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1. T.S.L.V Ayyarao, G.I Kishore and M.Rambabu“**Adaptive Control of Saturated Induction Motor with Uncertain Load Torque**”, International Journal on Recent Trends in Engineering and Technology(IJRTET-11), Vol-3, No-4, pp. 84 – 88, May-2011.
2. M. Anusha and P. Devendra “**Direct Torque control of permanent magnet synchronous motor**”, International journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I, pp. 27 – 30,2011.
3. L. Murali Mohan and A. Appa Rao “**Optimum compensation to improve EHV line performance**”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I, pp. 97 – 99, 2011.
4. P. Prabhavathi, P. Devendra and Ch. Anand Babu “**Flux and speed estimation decoupled induction motor**”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I, pp. 31 – 34,2011.
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6. P. Sravan Kumar, A. Appa Rao and K. Sarat Kumar “**A new formulation for load flow solution of power systems with series FACTS devices**”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I, pp. 69 – 73,2011.
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2. G. Nagaraju, T.S.L.V Ayyarao and P. Devendra“**Feedback Linearization of Separately Excited DC Motor**” , National Conference on Emerging Technologies in Electrical Engineering, Dept. of EEE, Adam’s Engineering College, Paloncha, pp. 150 – 153, 11<sup>th</sup> – 12<sup>th</sup> June 2010.
3. P.Ramana, K. Alice Mary, M. Suryakalavathi and B. Arundhati“**H-∞ Controller Design for VSI fed VRSM Drive**”, National Conference (CPEDS – 2010), Andhra University Visakhapatnam, pp. 136 – 140, 30<sup>th</sup> – 31<sup>st</sup> May 2010.
4. D. G. Padhan and S. Majhi, “**Modified Smith predictor and controller based on GM(1,1) model,**” National Conference on Electronic Technologies , NCET-2010, GEC, Goa, 16-17 April 2010.
5. M.Venkateswara Rao, R. Chandra Sekhar, P. Tejeswara Rao, T. Venkatesh and T.S.Kishore“**Simple and Effective Method for Radial Distribution System with Voltage Based Load Models**” , National conference NCEEE-10, Dept of EEE, Valliammai Engineering College, Kattankulathur, pp. 84 – 89, 2<sup>nd</sup> - 3<sup>rd</sup> Apr-2010.
6. N.B. Soni“**Energy Conservation A Key Productivity Factor**” , National Workshop on Sustainable Development & Environmental Challenge, GMRIT, Rajam, 26<sup>th</sup>-27<sup>th</sup> Mar 2010
7. T.S.L.V Ayyarao, A.Appa Rao and P.Devendra“**Control of Induction Motor by Adaptive Input –Out put Linearization**” , National conference , (NADCON 2009), Dept of EEE, GRIET Hyderabad, pp. 50 – 60, 26<sup>th</sup>-27<sup>th</sup> Nov 2009.
8. G.Satish and A. Apparao, “**Determination of DC Solution of MOSFET Circuits**” National conference (NADCON 2009), Dept of EEE, GRIET,Hyderabad, pp. 105 – 108, 26<sup>th</sup>-27<sup>th</sup>-Nov-2009.

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**International Conference:**

1. D. G. Padhan and S. Majhi, “**Modified Smith predictor and controller for stable and unstable processes,**” 4th International Conference On Computer Applications in Electrical Engineering Recent Advances, IIT Roorkee, 19<sup>th</sup> -21<sup>st</sup> Feb. 2010.
2. P.Devendra and N.B. Soni“**Design of Low cost & Energy efficient, solar power based illumination system for remote villages**”, International Conference on Recent Advancements in Electrical Sciences (ICRAES’10), KSR College of Engineering, Tiruchengode. 8<sup>th</sup> – 9<sup>th</sup> Jan 2010.
3. P.Vasudeva Naidu and Y.Narendra Kumar “**A New simple Modeling and Analysis of Costum Power controllers**”, Third International Conference on Power Systems, IEEE Kharagpur Section, Kharagpur, pp 1 – 6, 27<sup>th</sup> - 29<sup>th</sup> Dec 2009.

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**2008-09**

**National Conferences:**

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**National Journals:**

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1. K. Alice Mary, B. Arundhati, M. P. Praveen Kumar and P. Ramana, “**Speed control of an SPWM Inverter driven non linear PMSWM drive using exact feedback linearization with pole placement technique-2**”, International conference, ICEESPEEE-2009, SRM University, Chennai, 16<sup>th</sup> – 17<sup>th</sup> April 2009.
2. K. Alice Mary, B. Arundhati, M. P. Praveen Kumar and P. Ramana, “**Design and performance of the speed control system for an inverter drive non linear PMSWM using exact feedback linearization**”, C<sup>3</sup>IT-2009, Acedamy of Technology –INDIA, 6<sup>th</sup>-7<sup>th</sup>Feb 2009
3. K. Alice Mary, B. Arundhati, M. P. Praveen Kumar and P. Ramana, “**Design and performance of the speed control system with an observer for an inverter drive non linear PMSWM using exact feedback linearization**”, C<sup>3</sup>IT-2009, Acedamy of Technology – INDIA, 6<sup>th</sup>- 7<sup>th</sup>Feb2009
4. D. G. Padhan, “**Transient stability and power flow models of FACTS controllers**” International Conference PCO-2008, Chiang Mai, Thailand, 18<sup>th</sup>–20<sup>th</sup> July 2008.

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1. N.B. Soni and P.Devendra, “**The Transition toledillumintation: A Case study on energy Conservation**”, International Journal of Theoretical and Applied Information Technology (VJATIT), Nov. 2008.

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#### **National Conference:**

1. N.B. Soni and P.Devendra“**The Transition to led illumintation: A Case study on energy Conservation**” 2<sup>nd</sup> National conference on advances in energy conservation Technologies, Manipal University, 18<sup>th</sup>-19<sup>th</sup>March 2008
2. D. G. Padhan, “**Deregulation and Regulatory Reform in the Electric Power Sector : A case study in Restructuring,**”National Conference, The Institution of Engineers (India), Pune, 23<sup>rd</sup>-24<sup>th</sup>Nov. 2007.
3. K. Alice Mary and P.Ramana, “ **Real time control of non-linear motor drive using feedback linearization**, National Power Engineering Conference (NPEC 2007), Thiagarajar college of engineering, Tamilnadu, 21<sup>st</sup> - 22<sup>nd</sup> June, 2007

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1. K. Alice Mary and P.Ramana, “**PC Based Control of Nonlinear Motor Drive**”, Indian Journal of Science and Technology (IJST), International Digital Publication,2<sup>nd</sup>Nov 2007.

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1. D.G. Padhan, “**Optimal Biding Strategies for steam turbine Generators**” International Conference”, Andhra University, Visakhapatnam, 13<sup>th</sup> – 15<sup>th</sup> March. 2008
2. K.Alice Mary, F.A. Naik and P.Ramana“**Performance Analysis of the variable reluctance synchronous motor drive**” International Conference”, Andhra University, Visakhapatnam, 13<sup>th</sup> – 15<sup>th</sup> March. 08

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