

List of Publications

Department of Electrical and Electronics Engineering

GMR Institute of Technology (Autonomous), Rajam

Affiliated to JNTU-GV,

Vizianagaram, Andhra Pradesh–532127, India

Details Academic year	National Conference	National Journal	International Conference	International Journal	Books/ Book Chapter	Total Publications	Cumulative Publications
July 2025- January 2026	00	00	21	30	12	63	831
July 2024- June 2025	00	00	38	24	04	66	768
July 2023- June 2024	00	00	09	34	05	49	702
July 2022- June 2023	00	00	10	42	02	54	654
July 2021- June 2022	00	00	7	55	08	70	600
2020-21	00	00	18	66	01	85	530
2019-20	00	00	05	50	04	59	445
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

July 2025-January 2026:

2025-26:

International Conferences:

1. Rao, T.V., Venkateswara Rao, C., Subrahmanyam, K.B.V.S.R., Patnaik, R.K. (2025), “Enhancing Power Quality Using Coati Optimized Cascaded Proportional Integral Derivative Proportional Integral (CCPID-PI) Controller in a Wind Energy Connected Power System Under Dynamic Load Condition”, In: Mohanty, M.N., Das, S. (eds) Advances in Intelligent Computing and Communication. ICAC 2024. Lecture Notes in Networks and Systems, vol 1325. Springer, Singapore. https://doi.org/10.1007/978-981-96-4071-3_31
2. Patnaik, R.K., Chatrapathi, P., Patnaik, R.K. (2025). Detailed View of Fault Analysis with Signal Energy Operator Method to a DFIG-Based Micro Grid System. In: Mohanty, M.N., Das, S. (eds) Advances in Intelligent Computing and Communication. ICAC 2024. Lecture Notes in Networks and Systems, vol 1325. Springer, Singapore. https://doi.org/10.1007/978-981-96-4071-3_32
3. Joddumahanthi, V., Muppidi, R., Kampara, R., & Doggam, R. R. (2025, July), “Optimum interconnection of connection weights of an ANN employing metaheuristic approaches: A comparative analysis”, In AIP Conference Proceedings (Vol. 3298, p. 040037). AIP Publishing. <https://doi.org/10.1063/5.0280243>
4. R. Pilla, V. Guntreddi, R. S. R. K. Naidu, S. Radha, S. R. Sura, and V. Manoj, “Wind energy integration in electric vehicle charging: A comprehensive examination of technologies and their utilizations,” AIP Conference Proceedings, vol. 3298, p. 030005, Jan. 2025, doi: 10.1063/5.0279231. Available: <https://doi.org/10.1063/5.0279231>

5. V. Manoj, V. Guntreddi, R. S. R. K. Naidu, S. Radha, S. R. Sura, and R. Pilla, "Smart grid technologies for optimizing renewable energy utilization in electric vehicle charging infrastructure," AIP Conference Proceedings, vol. 3298, p. 030007, Jan. 2025, doi: 10.1063/5.0279672. Available: <https://doi.org/10.1063/5.0279672>
6. G. S. Tharun et al., "Solar-powered unmanned aerial vehicle with backup system: Hardware implementation for industrial and power plant applications," AIP Conference Proceedings, vol. 3298, p. 040035, Jan. 2025, doi: 10.1063/5.0279228. Available: <https://doi.org/10.1063/5.0279228>
7. P. G, A. Walikar, S. R. Ahammed, Y. Suresh, H. Parihar and V. Manoj, "Deep Learning Applications in Embedded Systems and IoT Devices," 2025 13th International Conference on Smart Grid (icSmartGrid), Glasgow, United Kingdom, 2025, pp. 518-526, doi: 10.1109/icSmartGrid66138.2025.11071811.
8. S. V. D. Kumar, N. Kumar, S. Kumar, Y. Suresh, H. R and V. Manoj, "Integrating AI and IoT for Smart Antenna Systems in 5G Networks," 2025 13th International Conference on Smart Grid (icSmartGrid), Glasgow, United Kingdom, 2025, pp. 510-517, doi: 10.1109/icSmartGrid66138.2025.11071768
9. N.V.A. Ravikumar, Kumar Pakki Bharani Chandra and Ramana Pilla, "A comparative performance analysis of robust control strategies applied on an uncertain wind turbine", AIP Conference Proceedings, vol. 3298, July - 2025, pp.030008-1 to 030008-15 <https://doi.org/10.1063/5.0279673>
10. Mudadla Venkatesh, Guntuku, I.K., Chittala, P.K "Sliding mode control for high voltage gain DC-DC converter in renewable energy systems" International Conference on AI Powered Technology Integration for Sustainability, Aip Conference Proceedings, vol. 3298(1),July 5-6, 2024. <https://doi.org/10.1063/5.0279747>.
11. N. J, T. Burle, S. B M, P. P. Kumar, R. Begam and D. K. Sahoo, "Integration of Renewable Energy Sources to Smart Grid Using Machine Learning-Based Forecasting Models for Grid Stability Enhancement," 2025 13th International Conference on Smart Grid (icSmartGrid), Glasgow, United Kingdom, 2025, pp. 351-357, doi: 10.1109/icSmartGrid66138.2025.11071799.
12. N. Shetty, S. R. Kothuri, N. S. Patil, P. P. Kumar, H. R and D. K. Sahoo, "AI-Powered Production Forecasting and Optimization of Energy Generation in Smart Grid Technologies,"

- 2025 13th International Conference on Smart Grid (icSmartGrid), Glasgow, United Kingdom, 2025, pp. 358-366, doi: 10.1109/icSmartGrid66138.2025.11071789.
13. K. D. Syam Prasad, K. S. Babu, A. Ali, M. L. Kakupa, B. J. M and P. P. Kumar, "AI-Driven Multi-Objective Optimization for Energy Transformation from Renewable Sources to Smart Grid Infrastructure," 2025 13th International Conference on Smart Grid (icSmartGrid), Glasgow, United Kingdom, 2025, pp. 422-427, doi: 10.1109/icSmartGrid66138.2025.11071821.
 14. G. Indira Kishore et al., "Adaptive Sliding Mode Control for Stabilizing DC-DC SEPIC Converters with Uncertain Dynamics," 2025 International Conference in Advances in Power, Signal, and Information Technology (APSIT), Bhubaneswar, India, 2025, pp. 1-5, doi: 10.1109/APSIT63993.2025.11086202.
 15. Challa Priyanka, Ganta Sai Keerthi, G. Indira Kishore, "A survey on battery management system in electric vehicles", AIP Conf. Proc. 9 July 2025; vol. 3298, no, 1: 030009. <https://doi.org/10.1063/5.0279385>
 16. Ayyarao, Tummala SLV, and Marpina Ganesh, "Enhanced direct torque control of PMSM drives using adaptive sliding mode strategy", In AIP Conference Proceedings, vol. 3298, no. 1, p. 040039. AIP Publishing LLC, 2025.
 17. Srinivasa Kishore Teegala, Sagar Gumpa, Upendra Kumar Potnuru, "Design and implementation of SPV based sustainable electric vehicle charging station with energy storage", AIP Conf. Proc., Volume-3298, Issue-1, July-2025, <https://doi.org/10.1063/5.0279569>.
 18. Sammingi Nirmala, Bura Vijay Kumar, Lakshmana Rao Kalabarige, Upendra Kumar Potnuru, "Classification of ischemic stroke subtypes with HOG features and XGBOOST" AIP Conf. Proc., Volume-3298, Issue-1, July-2025, <https://doi.org/10.1063/5.0279770>.
 19. Upendra Kumar Potnuru, Nagendar Yamasani, Lakshmana Rao Kalabarige, Attada Venkata Ramana, "Real-time CNN-VGG based system for deaf community communication through ASL recognition and live subtitling", AIP Conf. Proc., Volume-3298, Issue-1, July-2025, <https://doi.org/10.1063/5.0279623>.
 20. Lakshmana Rao Kalabarige, Nagendar Yamasani, Upendra Kumar Potnuru, Attada Venkata Ramana, "Improving enzyme thermo stability through ProtBert-XGB-based prediction and sequence design", AIP Conf. Proc., Volume-3298, Issue-1, July-2025, <https://doi.org/10.1063/5.0279769>.

21. D. Sowjanya, Bura Vijay Kumar, Upendra Kumar Potnuru, Lakshmana Rao Kalabarige, “Efficient automated attendance system utilizing YOLO and siamese networks for enhanced classroom management”, AIP Conf. Proc., Volume-3298, Issue-1, July-2025, <https://doi.org/10.1063/5.0279624>

International Journals:

1. P., Madasamy, P.; M., Rambabu, M.; S.B., Tilak Babu, S. B.G.; D., Koshti, Dipali; S., Kammoji, Supriya; R.K., Dubey, Rajesh Kumar, “Neural Networks for Real-Time Power Grid Stability Analysis in EEE Systems”, *Int. J. Environ. Sci.*, pp. 287–293, Jun. 2025. (Scopus Indexed, I.F: 3.13, <https://doi.org/10.64252/0c897t46>)
2. Dayanithy, M., Sekhar, G.C., Thivyarathi, R.C. et al. Synergistic integration of Ni-Co₂O₄ and NiWO₄ nanosheets on Ni foam for advanced supercapacitor applications. *Journal of Porous materials* (July 2025), ISSN:1380-2224, E-ISSN: 1573-4854. (Indexed on SCIE, I.F:2.8, Q2, <https://doi.org/10.1007/s10934-025-01829-3>)
3. R. B. Damala, R. Pilla, V. Manoj, S. R. K. Joga, C. Saiprakash, and T. a. T. Kambo, “A novel TKEO with the Decision Tree–Based Method for Fault Analysis of the HVDC transmission link fed by offshore wind and solar farms,” *International Transactions on Electrical Energy Systems*, vol. 2025, no. 1, Jan. 2025.(Indexed on SCIE, I.F:1.9, Q3, <https://doi.org/10.1155/etep/9105156>)
4. P.Chakraborty, Partha; P., Sinha, Pampa; S., Debdas, Subhra; K., Paul, Kaushik; C., Saiprakash, Chidurala; V., Manoj, Vasupalli; T.S., Ustun, Taha Selim; A., Onen, Ahmet, “Smart Power Systems Transformation: Advanced Fault Detection with Edge Computing and Signal Processing in LV Networks with EV Charging Stations,” *IEEE Access*, p. 1, Jan. 2025. (Indexed on SCIE, I.F:3.9, Q2, <https://doi.org/10.1109/access.2025.3586062>).
5. Kottala, R.K.; Mogaligunta, S.; Gupta, M.S.; Praveenkumar, S.; Raghutu, R.; Patro, K.K.; Murthy, A.S.D.; Gurram, D., “Numerical Investigation Using Machine Learning Process Combination of Bio PCM and Solar Salt for Thermal Energy Storage Applications”, *Symmetry* 2025, 17, 998. (Indexed by SCIE, Impact Factor: 0.85 , Q2 <https://doi.org/10.3390/sym17070998>)

6. Rambabu, M., Rama Krishna, K., Tripathi, M. A., Kataria, J., Srivastava, P., & Dixit, A. (2025), "Green computing: Advancing energy-efficient data centers with AI", *International Journal of Environmental Sciences*, vol. 11, no. 5, pp.65–73, 2025 (Indexed by Scopus, Impact Factor: 3.4, <https://doi.org/10.64252/5m56y357>)
7. Madasamy, P., Rambabu, M., Tilak Babu, S. B. G., Koshti, D., Kamoji, S., & Dubey, R. K. (2025), "Neural networks for real-time power grid stability analysis in EEE systems", *International Journal of Environmental Sciences*, vol. 11, no. 4, pp. 287–293, 2025 (Indexed by Scopus, Impact Factor: 3.4, <https://doi.org/10.64252/0c897t46>)
8. P. Ramana et al., "Dual architecture mechanism for robust cybersecurity in relay systems," *International Journal of Electrical and Electronics Engineering*, vol. 12, no. 6, Jun. 2025, (Indexed by Scopus, Impact Factor: 2.339, <https://doi.org/10.14445/23488379/ijeeev12i6p105>)
9. R. B. Damala, R. Pilla, V. Manoj, S. R. K. Joga, C. Saiprakash, and T. a. T. Kambo, "A novel TKEO with the Decision Tree–Based Method for Fault Analysis of the HVDC transmission link fed by offshore wind and solar farms," *International Transactions on Electrical Energy Systems*, vol. 2025, no. 1, Jan. 2025, (Indexed by Scopus, Impact Factor:2, Q3, <https://doi.org/10.1155/etep/9105156>)
10. Sethuraman, S., M. Karthikeyan, Samatha Chowdary Ponduri, Kishore.G, Sellamuthu Baskar, Jim Philip. "Microplastics In Avian Respiratory Systems With Impact On Environmental And Human Health Risks." *Oxidation Communications*, vol.48, no. 2, pp.722, 2025 (Indexed by Scopus, Impact Factor:0.52, https://scifulcom.net/en/article/0209-4541_2025_48_2_722-731)
11. vendoti, S., Tulasi, N.P., Jalli, R.K. et al, "Grid tied hybrid PV fuel cell system with energy storage and ANFIS based MPPT for smart EV charging", *Sci Rep* 15, 27392 (2025). (Indexed by SCI, Impact Factor:3.9,Q1, DOI link:<https://doi.org/10.1038/s41598-025-09626-3>)
12. Kishore, G. I., Kumar, L. V. S., & Kezhiyur, A. J. (2025), "Performance of three different high voltage gain DC-DC converter with solar PV array in standalone applications," *International Journal of Ambient Energy*, 46(1). (Indexed by Scopus, Impact Factor:2.99, Quarter No.(Q1), <https://doi.org/10.1080/01430750.2025.2534726>)

13. Upendra Kumar Potnuru, Lakshmana Rao Kalabarige, Manohar Mishra, Thirumala Rao Gurugubelli, Salman S Alharthi, Mohan Rao Tamtam, Ravindranadh Koutavarapu, "Optimizing dielectric properties of corannulene nanomaterial for enhanced performance of next-generation electric vehicle batteries: A Machine learning and Nelder-Mead optimization approach", *Results in Physics*, Vol.76,2025, ISSN 2211-3797, (Indexed by SCIE and Scopus, Impact Factor. 4.4,Q1, DOI : <https://doi.org/10.1016/j.rinp.2025.108404>)
14. Aserkar, Anushree A, Chanthirasekaran, K., Anitha, P., Goyal, Gaurav, Kothuru, Vivek, Kishore, G. Indira, " Adaptive Smart Grid Fault Detection and Prevention in Urban IoT Networks Using AI and Neuro-Blockchain Integration", *Journal of Electrical Engineering & Technology*, vol. 2025. ISSN : 1975-0102 (Indexed by SCIE, Impact Factor:1.6,Q3, DOI : <https://doi.org/10.1007/s42835-025-02412-1>)
15. S.K., Anumula, Sathish Krishna; D.D., Lakshmi, Devanga Dharani; N., Jayalakshmi, N.; M.J., Rani, M. Jhansi; R.H., Talawar, Ravi H.; R.K., Jalli, Ravi Kumar, "Robot-Assisted Surgery: Advances In Electrical And Computer Engineering ", *Int. J. Environ. Sci.*, vol. 11, no. 12s, pp. 77–83, Jun. 2025, (Indexed by Scopus, Impact Factor:3, DOI link:<https://doi.org/10.64252/z89be313>.)
16. Reddy, K. A. ., Manikandan, R. ., Ravivarman, S. ., Nurmatovich, H. A. ., Madaminov, B. ., & Karthick , K. . (2025). Intelligent Control of BLDC Motors Using Adaptive PID and ANN Techniques. *International Journal of Basic and Applied Sciences*, vol.14, vol.4, pp.242-249. (Indexed by Scopus, Impact Factor:0.93,Q1, DOI: <https://doi.org/10.14419/92vkkc31>)
17. Guntu Nooka Raju, Rebba Sasidhar, P Vamsi Sagar, Shaik Nannu Saheb, N.V.A. Ravi Kumar, Vasupalli Manoj, "Security Vulnerabilities and AI-Driven Intrusion Detection in 5G Network Slicing Architectures," *SSRG International Journal of Electrical and Electronics Engineering*, vol. 12, no. 8, pp. 269-279, 2025. (Indexed by scopus, DOI:<https://doi.org/10.14445/23488379/IJEEE-V12I8P123>)
18. JSV Siva Kumar, Hemanthakumar Chappa, Electricity Generation Designs From Ocean Vertical Wave Motions: A Review, *SSRG International Journal of Electrical and Electronics Engineering*, Vol.No:_12_ , Issue No.:_6_ , publication June-25, pp.104-117 (Indexed by SCOPUS, Impact Factor:0.129, Q4, DOI link:10.14445/23488379/IJEEE-V12I6P108)

19. J. S. V. Siva Kumar, MahmudMustafa, Sk. M. Unnisha Begum, Badugu Suresh and Rajanand Patnaik Narasipuram, A Digital Twin Driven IoT Architecture for Enhanced xEV Performance Monitoring, *Energy Engineering: Journal of the Association of Energy Engineering*, Vol.No: 122, Issue No.: 10, publication September-25, pp.3891-3904 (Indexed by SCOPUS, Impact Factor:0.129, Q4, DOI link:10.32604/ee.2025.070052)
20. Kishore, G. I., Venkatesh, M., & Ayyarao, T. S. L. V., "Enhancing robust control of DC-DC converters: adaptive super twisting control based on barrier function", *International Journal of Electronics*, pp.1-18. (Indexed by SCIE, Impact Factor:1.1, Q4, DOI : <https://doi.org/10.1080/00207217.2025.2565832>)
21. Suresh Babu, G.; Saikiran, A.; Ravi Kumar, K.; Bharat Kumar, C.; Raghutu, R.; Praveen Kumar, S.; Annapureddy, D.R.; Krishna Pradeep, G.V.; Devaraj Naik, B., "Thermal Performance of Erythritol-Based Biochar Composites for Medium-Temperature Energy Storage Applications", *Energy Storage*, vol.7, no.7, 2025. (Indexed by SCIE, Impact Factor:3.6, Q3, DOI : <https://doi.org/10.1002/est2.70276>)
22. Ranga, J.; Jalli, R.K.; Muthusamy, S.K.; Sundaresan, V.; Ramesh, S.; Palanisamy, R.; Arulprakasam, S., "Multi-Objective Integrated Approach For Distributed Generation Placement And Sizing To Enhance Performance Of Radial Power Distribution System", *Advances in Electrical and Electronic Engineering*, vol.23,no.3, pp. 189-203, 2025. (Indexed by SCIE, Impact Factor:0.5, Q4, DOI : <https://doi.org/10.15598/aece.v23i3.250105>)
23. Dev, A., Kumar, V., Tummala, A.S.L.V. et al. "Charting the hydrogen fuel technology: pathways and challenges", *Discover Applied Sciences*, vol.7, 1336 (2025). <https://doi.org/10.1007/s42452-025-07686-8>. (Indexed by SCOPUS, Impact Factor:2.8, Q2, <https://doi.org/10.1007/s42452-025-07686-8>)
24. M. Vinay Kumar, Pramod Kumar Gouda, C. Kamal, Ashwin Kumar Sahoo, Jaganmohan Rao Tarra, Subuddi Nagaraju, "Integration of Multilevel Inverter with Photovoltaic Systems to Enhance Grid Performance: A State-of-Art Review," *SSRG International Journal of Electrical and Electronics Engineering*, vol. 12, no. 9, pp. 21-28, 2025. (Indexed by SCOPUS, Impact Factor:0.129, Q4, <https://doi.org/10.14445/23488379/IJEEE-V12I9P103>)
25. Raj, V. R., Venkatesh, M., Raju, P. V. R. S. P., Mageswari, S. D. U., Tallapragada, V. V. S., Bhagavan, V. S., Ashok, N., Philip, J. M., & Rajaram, A. (2025), Sustainable Strategies For The Remediation Of Heavy Metals In Contaminated Soils Using Biochar And Microbial

- Techniques”, *Journal of the Balkan Tribological Association*, Vol. 31, np. 5, Pp. 890–900, 2025. (Indexed by SCOPUS, Impact Factor:0.151, Q4, <https://doi.org/10.14445/23488379/IJEEE-V12I9P103>)
26. Ravikumar N, Sasidhar R, Manoj V, et al. “Design and real-time simulations of robust controllers for uncertain multi-input wind turbine”, *Energy Exploration & Exploitation*. 2025. (Indexed by SCOPUS, Impact Factor:1.6, Q4, <https://doi.org/10.1177/01445987251373101>)
27. Upendra Kumar Potnuru, Srinivasa Kishore Teegala, Lakshmana Rao Kalabarige, Vidyabharati Ippili, M Raviraja Holla, Dataset for optimized design parameters of three-phase induction motors with validation through machine learning, *Data in Brief*, Vol. 63,2025,112274,ISSN 2352-3409, (Indexed by SCOPUS and ESCI, Impact Factor:1, Q3, <https://doi.org/10.1016/j.dib.2025.112274>)
28. Rao, V.D., Raghutu, R., Rao, K.S. et al. Efficient biosorption of cadmium ions from wastewater using iron oxide–maize shell activated bio-carbon nanocomposites, *Journal of Biomass Conversion and Biorefinery*. Vol.15, no.22, pp. 29067–29078 (2025). <https://doi.org/10.1007/s13399-024-06190-0> (Indexed by SCIE and SCOPUS, , Impact Factor:3.5, Q2, <https://doi.org/10.1016/j.dib.2025.112274>)
29. Gokulan Ravindiran, K. Karthick, Kolli Ramujee, Mary Subaja Christo, Madaminov Bekzod Allayarovich, Hayitov Abdulla Nurmatovich, Subhi A. Ali & Gasim Hayder, “Ensemble Machine Learning Prediction of Multi-Pollutant Removal Efficiency in Biochar-Based Adsorption Systems”, *International Journal of Environmental Research*, Springer, vol. 20, no.1, 2026. (SCI-E & Scopus Indexed, Impact Factor: 3.5, Q2, <https://doi.org/10.1007/s41742-025-01011-2>).
30. Vasupalli Manoj, Malleti Sreedhar, Rebba Sasidhar, Praveen Kumar Yadav Kundala, Dasyam Chandra Mouli, Ramana Pilla, “E-bikes unplugged: exploring the evolution and environmental benefits of electric cycling”, *International journal of advances in applied sciences*, vol. 14, no.4, pp. 1295-1304, 2026 (Scopus Indexed, Impact Factor : 0.79, <https://doi.org/10.1007/s41742-025-01011-2>).

Book Chapter:

1. Polamarasetty Praveen Kumar, Ramakrishna S.S. Nuvvula, Bachina Harish Babu, Chapter 3 - Microgrids with energy storage systems, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 23-32, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00003>, <https://www.sciencedirect.com/science/article/pii/B9780443136856000033>
2. Polamarasetty Praveen Kumar, Ramakrishna S.S. Nuvvula, Vaganam Satyanarayan, Chapter 2 - Fundamentals of microgrids, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 13-21, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00002-1>.
3. Ramakrishna S.S. Nuvvula, Polamarasetty Praveen Kumar, Nayana Shetty, Chapter 6 - Stability analysis of microgrid systems, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 65-80, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00006-9>.
4. Polamarasetty Praveen Kumar, Ramakrishna S.S. Nuvvula, R. Hushein, Chapter 5 - Microgrid reliability assessment and enhancement, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 47-64, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00005-7>.
5. Polamarasetty Praveen Kumar, Bachina Harish Babu, Ramakrishna S.S. Nuvvula, Chapter 16 - Peer-to-peer energy trading in a community microgrid, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 243-256, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00016-1>.
6. Ramakrishna S.S. Nuvvula, Polamarasetty Praveen Kumar, T. Rameshkumar, Chapter 8 - Microgrid system feasibility analysis, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 97-109, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00008-2>.
7. P. Raghavendra, Polamarasetty Praveen Kumar, Ramakrishna S.S. Nuvvula, Chapter 4 - Challenges of microgrid operation and their solutions, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 33-46, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00004-5>.
8. Polamarasetty Praveen Kumar, Ramakrishna S.S. Nuvvula, Syed Riyaz Ahammed, Chapter 13 - Recent advances in digital twins, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier,

- 2025, Pages 191-202, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00013-6>.
9. Polamarasetty Praveen Kumar, Kode Jaya Prakash, Ramakrishna S.S. Nuvvula, Chapter 15 - Energy transaction between microgrids and utility grids, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 221-242, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00015-X>.
 10. Ramakrishna S.S. Nuvvula, Polamarasetty Praveen Kumar, Bachina Harish Babu, Chapter 14 - Utility grid integration of microgrids, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 203-220, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00014-8>.
 11. Ramakrishna S.S. Nuvvula, Polamarasetty Praveen Kumar, T. Rameshkumar, Chapter 11 - Optimization of microgrid systems, Editor(s): Baseem Khan, Salah Kamel, Jose Luis Dominguez-Garcia, *Microgrid Technology and Microgrid Cluster Development*, Elsevier, 2025, Pages 153-169, ISBN 9780443136856, <https://doi.org/10.1016/B978-0-443-13685-6.00011-2>.
 12. Veeramsetty, V., Baddam, N., Pilla, R., Salkuti, S.R. (2025). Short Term Load Forecasting for Effective Trading in Energy Market Using Artificial Neural Networks and ADAM Optimizer. In: Salkuti, S.R. (eds) *Next-Generation Green Energy Technologies for Sustainable Development. Green Energy and Technology*. Springer, Singapore. https://doi.org/10.1007/978-981-95-0441-1_6

July 2024-June 2025:

International Conferences:

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2019-20 :

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36. Kumar Pakki Bharani Chandra and Mohamed Darouach, “**Two-stage Information Filters for Single and Multiple Sensors, and their Square-root Versions,**” Provisionally accepted in *Automatica*, 2018. (Indexed in: SCI).
37. Upendra Kumar Potnuru, P.Mallikarjuna Rao, “**A Design Methodology for Permanent Magnet Machine with Efficient Slot per Pole Ratio**”, *Journal of Advanced Research in Dynamical & Control Systems*, Vol. 10, 03-Special Issue, May 2018 (Indexed in: **Scopus, Q3**) (ISSN No.: 1943-023X)
38. Gorripotu, T.S.,Kumar, D.V., Boddepalli, M.K. and Pilla, R., “**Design and Analysis of BFOA optimised PID controller with derivative filter for frequency regulation in Distributed Generation System**”, *International Journal Automation and Control*, Vol. 12, No. 2, pp. 291–323. April 2018. (Indexed in: **ESCI/ Scopus, Q3**) (ISSN No.: 1740-7524) (**Inderscience**)
39. Ramakrishna Raghutu, P.V.Ramanarao, “**Adaptive Predictive Load Frequency Control of a Microgrid**”, *International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 9, Issue 4, pp. 960–970, April 2018. (Impact Factor: xxxxx) (Indexed in: Scopus, Q3) (ISSN No: 0976-6359)
40. Dash P. K., R. K. Patnaik, and S. P. Mishra. "Adaptive Fractional Integral Terminal Sliding Mode Power Control of UPFC in DFIG Wind Farm Penetrated Multimachine Power System" *Protection and Control of Modern Power Systems*, Vol. 3, No. 1, March 2018. (Indexed in: Google scholar, Q1)(ISSN: 2367-0983)(<https://doi.org/10.1186/s41601-018-0079-z>).

Books/Book Chapters:

1. Kumar P Bharani Chandra and Da-Wei Gu, **Nonlinear filtering: Methods and Applications**, Springer International, New York, 2019.
<https://www.springer.com/us/book/9783030017965>.
2. Ramana Pilla, M. Surya Kalavathi & G.T. Chandar Sekhar, published a text book titled, “**Basic Electrical Engineering (As per revised AICTE model curriculum)**”, SChand Publications, New Delhi, India, November 2018 (ISBN No: 9789352834846)
3. Ramana Pilla and H.D. Mehta, published a text book titled, “**Basic Electrical Engineering (As per GTU, Gujarat syllabus)** by SChand Publications, New Delhi, India , November 2018 (ISBN No: 9789352835287)
4. Ramana Pilla, “A text book on Network Analysis and Synthesis”, Universities Press (India) Pvt. Limited, Hyderabad, India, Published during September 2018. (ISBN No: 9789386235664)
5. Ramana Pilla, M. Surya Kalavathi and G.T. Chandar Sekhar, “A text book on Basic Electrical Engineering (As per JNTUH, Hyderabad syllabus)”, SChand Publications, New Delhi, India, Published during September 2018. (ISBN No: 9789352835072)

2017-18 :

2017-18 :

National Conferences:

1. M.Prem Kumar and R.Sowmya, “**Regenerative Electric Braking on Electric Bicycle and Storage of Energy Using Ultra Capacitor**”, 2nd National Conference on “Emerging Trends

in Power Energy and Control” (ETPEC – 2017), Vignan's University, Guntur, during 11th & 12th August 2017.

2. J S V Siva Kumar and P Venkatasateesh, “**Design and Simulation of a Current Fed Full Bridge Voltage Doubler Converter with High Voltage Gain for Fuel Cell Based Electric Vehicle**”, 2nd National Conference on “Emerging Trends in Power Energy and Control” (ETPEC – 2017), Vignan's University, Guntur, during 11th & 12th August 2017.
3. V.Srikanth Babu and R.Rama Krishna, “**ANFIS based Coordinated Frequency Control of Wind, PV and Diesel Interconnected System**”, A National Conference on Recent Trends in Electrical and Electronics Engineering, Organized by Department of Electrical and Electronics Engineering Department, Vignan’s Institute of Information Technology, Duvvada, during 14th-15th April 2017.
4. P. Devendra “**A DC-DC Converter for Low Power Applications using Aurdino UNO Microcontroller**”, A National Conference on Recent Trends in Electrical and Electronics Engineering, Organized by Department of Electrical and Electronics Engineering Department, Vignan’s Institute of Information Technology, Duvvada, during 14th-15th April 2017.
5. Ravi Kumar Jalli and Saptarshi Roy, “**Assesment of Health of Transformer: A Survey**”, A National Conference on Recent Trends in Electrical and Electronics Engineering, Organized by Department of Electrical and Electronics Engineering Department, Vignan’s Institute of Information Technology, Duvvada, during 14th-15th April 2017.

2017-18 :

National Journals:

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2017-18 :

International Conferences:

1. M.Premkumar,V. Srikanth Babu and R.Sowmya, “**Scheduling Task to Heterogeneous Processors by Modified ACO Algorithm**”, Springer International Conference on Soft Computing and Data Analytics, Sri Sivani College of Engineering, Srikakulum, A.P., March 2018.
2. T.S.Kishore, S.Mahesh Kumar, “**Techno Economic Analysis of different Combinations of an Existing Educational Institute Based PV-Diesel-Grid Hybrid System in India**”, Springer International Conference on Soft Computing and Data Analytics (SCDA-2018), Sri Sivani College of Engineering, Srikakulam District, Andhra Pradesh, March 2018.
3. J.S.V.Siva Kumar, P.Mallikarjuna Rao, “**Design and Simulation of DC-DC Converter for Fuel Cell Based Electric Vehicle with Closed Loop Operation**”, Springer International Conference on Soft Computing in Data Analytics(SCDA 2018), Sivani Engineering College, Andhra Pradesh, 10th- 11th March 2018.
4. P.Devendra, “**Implementation of Grass Hopper Optimization Algorithm for Controlling a BLDC Motor Drive**”, Springer International Conference on Soft Computing in Data Analytics(SCDA 2018), Sivani Engineering College, Andhra Pradesh, 10th- 11th March 2018.
5. L.V.Suresh Kumar, “**Differential Evaluation based Gain Tune of Proportional Integral Derivation Control for MLI based Integrated Wind Energy System with Multi Winding Transformer**”, Springer International Conference on Soft Computing in Data Analytics(SCDA 2018), Sivani Engineering College, Andhra Pradesh, 10th- 11th March 2018.

6. Premkumar M, Sowmya R, “**Wind power forecasting using artificial neural network**”, International Conference on Electrical, Electronics, Instrumentation and Computer Communication, Organized by Karpagam College of Engineering, Coimbatore, Tamilnadu, 19th & 20th January, 2018.
7. Premkumar M, Raghu Ram JV, Bharani Jagadamba KPVP, and Rammohan K, “**Design and simulation of ARTD controller for a chemical process industry PMDC motor**”, IEEE-International Conference on Electrical Energy Systems, Organized by SSN College of Engineering, Chennai, Tamilnadu, 7th to 9th, February 2018.
8. Upendra Kumar Potnuru, Dr. P.Mallikarjuna Rao, “**A Design Methodology for Permanent Magnet Machine with Efficient Slot per Pole Ratio**”, XIV Control Instrumentation System Conference, CISCON 2017, Manipal Institute of Technology, Manipal -576 104-India. 3rd-4th November 2017.
9. Upendra Kumar Potnuru, Dr. P.Mallikarjuna Rao, “**Performance Analysis of a Permanent Magnet Brushless DC Motor**”, International Conference on Cognitive Informatics & Soft Computing (CISC-2017), Vignana Bhrathi Institute of Technology, Ranga Reddy, Telangana, India. 20th -21st December 2017.
10. Upendra Kumar Potnuru, Dr. P.Mallikarjuna Rao, “**Selection of Slot per Pole ratio for a Permanent Magnet Brushless DC Motor**”, International Conference on Electrical, Electronics, Materials and Applied Science (ICEEMAS) Swami Vivekananda Institute of Technology (SVIT), Secunderabad, Telangana, India. 22nd -23rd December 2017.
11. Upendra Kumar Potnuru, Dr. P.Mallikarjuna Rao, “**Design Optimization for Permanent Magnet Machine with Efficient Slot per Pole Ratio**”, International Conference on Electrical, Electronics, Materials and Applied Science (ICEEMAS) Swami Vivekananda Institute of Technology (SVIT), Secunderabad, Telangana, India. 22nd-23rd December 2017. M.Premkumar, R.Sowmya, “**State of Health and State of Charge – Parameter Estimation and Monitoring of Lithium Ion Battery using Kf Algorithm**”, AICTE Sponsored International Conference on Innovations in Power Electronics Control and Systems (IPECS 2017), M.A.M College of Engineering, Tiruchirapalli, Tamilnadu, December 2017.
12. Devendra Potnuru, J.S.V.Sivakuma, “**Design of Front End DC-DC Converter for Permanent Magnet DC Motor using Fuzzy Gain Scheduling**”, IEEE-International Conference on Power, Control, Signals & Instrumentation Engineering, Saveetha Engg.college, Chennai, September 2017.
13. N.S.S.Ramakrishna, Elangovan, T. S.Kishore, G.Sowgandhika, “**A Review on Technical-Economic Aspects of Grid Connected Hybrid Renewable Energy Power System**”, International Conference on Intelligent Sustainable Systems (ICISS2017), organized on by SCAD Institute of Technology at Palladam, Tirupur, December 2017.
14. G. Chandra Sekhar, “**A Complete Logic Based Backup Protection Scheme for Three and Six Phase Transmission System by using Negative Sequence Currents**”, IEEE Region 10th International Conference (IEEE TENCON-2017), Penang, Malaysia, Proceedings of TENCON-2017, pp:889-894, during 5th to 8th November-2017. DOI:978-1-5090-1134-6/17/\$31.00 ©2017 IEEE.
15. J.S.V.Siva Kumar, P.Mallikarjuna Rao, “**Design and Simulation of Front End Converter for Fuel Cell Based Electric Vehicle Applications**”, IEEE International Conference on

Power, Control, Signals and Instrumentation Engineering (ICPCSI-0070), Saveetha Engineering College, Chennai, September 2017.

16. L.V.Suresh Kumar and O.Sunil Teja, “**Harmonic Analysis of Diode Clamped Multilevel Inverter Base PEM Fuel Cell Energy System**”, International Conference on Energy Communication, Data Analytics and Soft Computing (ICECDS 2017) , SKR Engineering College, Poonamallee, Chennai, Tamil Nadu, during 1st & 2nd August 2017.
17. M.Venkateswara Rao and Ch.V.Suresh and S.Sivanagaraju, “**Optimization of Multi-Fuel Non-Convex Economic-Emission Dispatch in the Presence of GUPFC using UDTPSO under Practical Constraints**”, Joint International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017) & Power, Circuit and Information Technologies(ICPCIT-2017) organized by Department of EEE,CSE and ECE, Madanapalle Institute of Technology & Science(MITS), Madanapalle, during 27-29 April, 2017.
18. G S Bharathi and N S S Ramakrishna and R Mageshvaran, “**Performance Analysis of Grid Connected Hybrid System With PQ Control Technique With Different PI Values and Harmonic Effect on the System**”, Joint International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017) & Power, Circuit and Information Technologies(ICPCIT-2017) & Power, Circuit and Information Technologies(ICPCIT-2017) organized by Department of EEE,CSE and ECE, Madanapalle Institute of Technology & Science(MITS), Madanapalle, during 27-29 April, 2017.
19. M. Uma Mahesh and Ayyarao SLV Tummala and Ravikiran Inapakurthi, “**A Review and Aspects of High Altitude Wind Power Generation**”, International Conference on Trends and Advanced Research in Green Energy Technologies, Mechanical Department 30-31 March, 2017.
20. M.Uma Mahesh, Ayyarao S.L.V.Tummala and I.Ravi Kiran, “**A Review and Aspects of High Altitude Wind Power Generation**”, International Conference on Trends and Advanced Research in Green Energy Technologies, ICTARGET-2017, VIT University, March 2017.
21. Premkumar M, Sowmya R, “**Electric Arc Flash – Impacts and Measures**”, International Conference on Latest Trends in Science, Engineering and Technology, Organized by Karpagam Institute of Technology, Coimbatore, Tamilnadu, during March 2017.
22. M.Premkumar, N.Praveen Kumar, M.Meher Akhil, M.Rambabu, “**Autonomous Amphibious Robot**”, **International Conference on Engineering, Technology and Science**, Organized by Muthayammal Engineering College, Rasipuram, Tamilnadu, March 2017.

2017-18 :

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1. K.V.S.Prasad, “**An Empirical Study of Total Quality Management in Engineering Education Institutions: Perspective of Management**”, International Journal of Mechanical Engineering & Technology (IJMET), Vol. 9, Issue 2, pp. 547-555, February 2018. (Indexed in: SCOPUS) (ISSN0976 - 6359).
2. D. Srinivasa Kumar and K.V.S.Prasad, “**A Logical Investigation of Demographic Characteristics of Human Population in Selected Area of Sriakulam District**”, International Journal of Mechanical Engineering & Technology (IJMET), Vol. 09, Issue 2, pp. 539-546, February 2018. (Indexed in: SCOPUS) (ISSN 0976 - 6359).

3. Upendra Kumar Potnuru, P.Mallikarjuna Rao “**Performance Analysis of a Permanent Magnet Brushless DC Motor**”, International Journal of Pure and Applied Mathematics, Vol. 118, Issue 19, pp. 135-142, March-2018. (Indexed in: Scopus)(ISSN No.:1311-8080)
4. P. Ramana, K. Alice Mary and M. Surya Kalavathi “**State Feedback Linearization of a Non-linear Permanent Magnet Synchronous Motor Drive**”, Indonesian Journal of Electrical Engineering and Computer Science, Published by Institute of Advanced Engineering and Science, Vol. 1, No. 3, pp.234-542, March 2018, (Indexed in: SCOPUS) (ISSN No. 2502-4760)
5. M.Vinay Kumar and U.Salma, “**A Novel Fault Ride-through Technique for Grid Connected Photo Voltaic Energy Systems**”, International Journal of Ambient Energy, Vol. No.xx, Issue No.xx, pp. 1-11, Feb 2018, (Indexed in : ESCI & SCOPUS) <https://doi.org/10.1080/01430750.2017.1421581>
6. M.Prem Kumar and R.Sowmya, “**Wind Power Forecasting using Artificial Neural Network**”, International Journal of Pure and Applied Mathematics, Vol. 118, Issue 11, pp. 145-152, February 2018. (Indexed in: SCOPUS)
7. M.Premkumar, J.S.V. Siva Kumar, R.Vijaya Krishna and R.Sowmya, “**Design, Analysis and Fabrication of Solar PV Powered BLDC Hub Motor Driven Electric Car**”, International Journal of Mechanical and Production Engineering Research and Development, Vol. No.08, Issue No.01, pp. 1255-1270, February 2018. (Indexed in: SCOPUS) Tummala Ayyarao, Kumar Pakki Bharani Chandra, and V. Ramana Rao Pulipaka. "**A Decentralised Nonlinear SDRE Observer-Controller Scheme for Large Scale Power Systems**", IET Generation, Transmission & Distribution, December 2017(Indexed in: SCI) (Online ISSN 1751-8695, Print ISSN 1751-8687).
8. Tummala Ayyarao SLV, Ravikiran Inapakurthi, and P V Ramanarao. "**Observer based sliding mode frequency control for multi-machine power systems with high renewable energy**", Journal of Modern Power Systems and Clean Energy, 1-9, January 2018.(Indexed in: SCI) (ISSN: 2196-5420)
9. M.Premkumar and R.Sowmya, “**Real Time Air Pollution Monitoring using GSM Based System**”, International Journal of Recent Research and Review (IJRRR), Vol. 10, Issue 04, pp. 29-32, December 2017.
10. Premkumar .M, and Sowmya .R, “**Review on Electric Arc Flash and Electric Arc Blast Impacts**”, International Journal of Recent Research and Review (IJRRR), Vol. 10, Issue 04, pp. 33-38, December 2017.
11. G.Chandra Sekhar, D.Ganesh,“**Integrating Hybrid Model of Solar and Wind Energy Sources to Utility Grid by using Nine-Level Inverter**”, Journal of Advanced research in Dynamical and control system, Vol. No.x Special Issue -16 , pp.No:122-134, November 2017, (Impact Factor: 0.16) (Indexed in: Scopus) (ISSN No.:1943-023X).

12. J.S.V.Siva Kumar, PotunuruVenkataSateesh, “**Design and Simulation of a Current Fed Full Bridge Voltage Doubler Converter with High Voltage Gain for Fuel Cell Based Electric Vehicle**”, Journal of Advanced Research in Dynamical and Control Systems, Vol. No.x, Special Issue No.16, pp110-121, November 2017. (Impact Factor: 0.16) (Indexed in: Scopus) (ISSN No.:1943-023X)
13. Premkumar.M,Sowmya.R,“**Regenerative Electric Braking on Electric Bicycle and Storage of Energy using Ultra Capacitor**”, Journal of Advanced Research in Dynamical and Control Systems, Vol. No.x, Special Issue No.16, pp. 110-121, November 2017. (Impact Factor: 0.16) (Indexed in: Scopus) (ISSN No.:1943-023X)
14. K.V.S.Prasad, “**A Review on Performance of SHG Bank Linkage Programme in India**”, International Journal of Mechanical Engineering &Technology (IJMET), Volume 08, Issue 10, pp.829-835, October 2017. (Impact Factor: 9.2286 Calculated by GISI) (Indexed in: SCOPUS) (ISSN0976 - 6359).
15. Premkumar .M, and Sowmya .R, “**Interactive Content Based Image Retrieval using Multiuser Feedback**”, International Journal of Informatics Visualization (JOIV), Vol. 01, Issue 04, pp. 165-169, November 2017. (ISSN No.:2549-9610).
16. R. Vijaya Krishna, K. Sarath Kumar, M. Jeevana Rao “**Minimization of Power Losses In Radial Distribution System- A Review**” International Journal of Trend in Scientific Research and Development(IJTSRD), Vol. 2, Issue 1, pp. 9-15, November 2017. (ISSN No.: 2456-6470)
17. Dharmapandit, R.K.Patnaik, P.K.Dash, “**Detection, Classification, and Location of Faults on Grid Connected and Islanded AC Microgrid**”, International Transactions on Electrical Energy Systems, Vol. X, Issue X, pp xx-xxxx, August 2017. (Impact Factor: 1.085) (Indexed in: SCI) (ISSN No.:2050-7038), DOI: [10.1002/etep.2431](https://doi.org/10.1002/etep.2431) (<https://doi.org/10.1002/etep.2431>)
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.
19. D.Ganesh and G.Chandra Sekhar, “**Simulation of Three Phase Nine-level Inverter for Interfacing with Solar PV system**”, International Journal of Innovative Research in Science, Engineering and Technology, Vol.6, Issue 8, pp. 16871-16877, August 2017. (ISSN (Online):2319-8753)
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)
21. M.Venkateswara Rao and Balla Mounika, “**Contribution of Generators in Power System Network using Power Flow Tracing Method**”, International Journal of Mechanical Engineering and Technology (IJMET), Vol.8, Issue 8, pp. 117-126, August 2017. (Indexed in: Scopus) (ISSN No.:0976-6359)
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, May 2017
 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, 25th & 26th 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 7th -8th October 2016.
3. L.V.Suresh Kumar, **“A logic sort algorithm based voltage balancing of modular multi-level 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 7th -8th 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 7th -8th 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 7th and 8th 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, 22nd-23rd December-2016.
4. G.Chandra Sekhar, M.Venkatesh and A.Appa Rao, **“Wind Energy Source Interfacing to Grid by using Five-Level Inverter”**, 2nd 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”**, 2nd International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation (ASECI – 2016), Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, Andhra Pradesh, 22nd and 23rd October 2016.
6. Ayyarao SLV Tummala, Ravikiran Inapakurthi, **“A Novel Gain Tuning of Anti-windup PID Controller using Antlion Optimization”**, 2nd International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation,(ASECI-2016), Organized by VR Siddhartha Engineering College ,Vijayawada, Andhra Pradesh, 22nd and 23rd October 2016.
7. D.Rajesh Babu, **“A Prototype Model of Augmented Solar Tracking System for Electric Vehicles”**, 2nd International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation,(ASECI-2016), Organized by VR Siddhartha Engineering College ,Vijayawada, Andhra Pradesh, 22nd and 23rd October 2016.
8. L.V.Suresh Kumar, **“Harmonic Analysis of PSO Tuned PI Controller Gains For Multilevel Inverter Base P&O Mppt Photovoltaic System”**, 2nd International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation,(ASECI-2016), Organized by VR Siddhartha Engineering College , Vijayawada, Andhra Pradesh, 22nd and 23rd October 2016.
9. M.Rambabu, **“Power Control Approach for a Variable-Speed Wind Turbine with PMSG”**, 2nd International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation,(ASECI-2016), Organized by VR Siddhartha Engineering College , Vijayawada, Andhra Pradesh, 22nd and 23rd 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, 19th – 22nd 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 7th – 9th 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 11th & 12th 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 11th & 12th 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 11th & 12th 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, 12th and 13th 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, Issue 5, 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 Applications**”, 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 Observ-**

- ers,” 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](https://doi.org/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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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 22nd & 23rd 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 8th & 9th 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 8th & 9th 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 8th & 9th 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 8th & 9th 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 8th & 9th 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 8th & 9th May, 2015.
9. I. Ravi Kiran, “**A Single-Phase to Three-Phase Conversion System using DSVPMW 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 8th & 9th 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 8th & 9th 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) un-

der TEQIP-II, S.C.-1.2, at GVP College of Engineering (A), Visakhapatnam 8th & 9th 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 8th & 9th May, 2015.

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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, 18th 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, 5th & 6th 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**”, 12th IEEE India International Conference on Electronics, Energy, Environment, Communication, Computer and Control, (E3-C3), held at Jamia Millia Islamia, New Delhi, during 17th to 20th 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, 5th & 6th 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 20th & 21st August, 2015.

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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, 15th 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 (IAER), 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 Renewable Energy Research (IJRER), Vol. 5, Issue 2, pp. 483-490, 30th 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.

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, 15th & 16th November, 2014

National Journals:

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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, 24th – 25th 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, 24th – 25th 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, 24th – 25th 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, 24th – 25th January, 2015.
5. D. Rajesh Babu, V. Srikanth Babu, T. Satya Narayana, “**Solar Tracker 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, 24th – 25th January, 2015.
6. V. Balaji Venkateswaran, “**Observability Analysis and Optimal Placement of PMU using Krill Herd Algorithm**”, IEEE Sponsored 9th International Conference on Intelligent Systems and Control (ISCO – 2015), Karpagam College of Engineering, Coimbatore, 9th & 10th 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 5th & 6th 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 5th & 6th 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 5th & 6th 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 5th & 6th 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.
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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**

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 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.
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 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.
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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 7th – 8th 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 7th – 8th 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 6th – 7th, 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**”5th International Conference on Computer Applications in Electrical Engineering-Recent Advances, CERA-13, at IIT Roorkee held on 3rd – 5th 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 8th – 11th Jan, 2014 at VIT University, Vellore
4. P.V.V.S.M.R. Rajuand 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.

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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, 20thJuly, 2013
4. G.V. Ramana, S. Lalitha Kumari “**A Noval Technique for PMSM Drives to Estimate the High Resolution Rotor Position**”International Journal of AdvancedResearch 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 (IJAEM) 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 (IJAEM) 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 (IJAEM) 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 (IJAEM) ISSN 2319 – 4847, pp 174 – 181, Volume 2, Issue 9, on September 2013
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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
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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 Re-

search 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
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 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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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 15th – 16th 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 Modeels 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. KantaRao,”**Power System Security using Contingency Analysis**” National conference on Contemporary Control in Electrical Engineering, AU, Visakhapatnam, 31st 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, 27th – 28th 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, 2nd – 3rd 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, 2nd – 4th 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, 2nd – 4th 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, 2nd – 4th 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, 3rd – 4th Aug 2012.
7. S.Lalitha Kumari and Y.Chittemma, “**Artificial Neural Network based power system stability analysis**” International Conference on Advances in Power Electronics & Instrumentation Engineering PEIE- 2012, Bangalore, 3rd – 4th Aug 2012.
8. L.V.Suresh Kumar, T.S.L.V.Ayyarao and S.SivaKotaiyah, “**Modeling and Simulation of Power Variation of Wing Energy System.**” International conference on advances in Power Conversion and Energy Technologies (APCET), 2nd – 4th Aug 2012.

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1. G.Sailaja, M.Saishesa 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.
3. D. G. Padhan and S. Majhi, “**Enhanced cascade control for a class of integrating processes with time delay**”, ISA Transactions, Elsevier, vol-52, pp. 45 – 55, 2013.
4. P Murali Krishna and P Kanta Rao, “**Transient stability enhancement in power system using DSSC and DSSC with FLC**”, Journal of Electrical and Electronics Engineering, vol.-10, no.-10, pp. 1 – 10, Dec 2012.
5. G.Indira Kishore and T.S.L.V.Ayyarao, “**Effective Elimination Of Harmonics By Means Of A Hybrid Series Active Filter(HSAF)**”, International journal of engineering Research and Applications, vol. 2, no 5, Oct 2012.

6. D.Narandra Kumar, S.Lalitha Kumari and D.Veeranasantarao, “**Dynamic Adaptive Control of Mobile Robot Using RBF Networks**”, International journal of engineering Research and Applications, vol. 2, no 5, Oct 2012.
 7. Y.Sumith and J.S.V.Siva Kumar, “**Estimation Of Parameter For Induction Motor Drives**”, International journal of engineering Research and Applications, vol. 2, no 5, Oct 2012.
 8. K.S.Srikanth and A.R.V.Siva Krishna, “**Implementation of 16-Bit Hamming code encoder and decoder for single bit error detector and corrector**”, The International Journal of Research Journal of Science and IT management, vol-1, no-12, pp 16-22, oct 2012.
 9. G. Venkatesh and P Kanta Rao, “**Improvement of dynamic stability of a single machine infinity-bus power system using Fuzzy logic based power system stabiliser**”, International Journal of Engineering research and Development, vol.-4, no.-5, pp. 60-70, Oct 2012.
 10. S.Naga Mahesh Babu, G. Satish and P.S.V. Kishore, “**Design of Artificial Neural Networks Conteoller for Stabilization of Ideal Juggler**”, International Journal of Engineering Research & Technology (IJERT), Vol- 1, Issue 8, Oct 2012.
 11. B. Sateesh Babu, M. Ram Babu and S. Indranil, “**Simulation of DC Micro-Grid Under Island Mode of Operation**”, International journal of Engineering and Innovative Applications, vol-1, pp. 1-7, Sep 2012.
 12. T.S.L.V.Ayya Rao and A.Divya, “**Optimal DTC-SVM with Adaptive Stator Flux Observer for Torque Ripple Minimization of Induction Motor.**” International journal of Engineering Research and Applications(IJERA), pp. 1 – 6,2012.
 13. M.P.Prasanna Kumar, P. Devendra and R. Srinivasa Rao, “**Optimal Tuning of PID controller for a Linear Brushless DC Motor using Particle Swarm Optimization Technique**”, Journal of Theoretical & Applied Information Technology, vol. 2, no. 4, pp.1416-20, 2012.
 14. L.V. Suresh Kumar and R. Mouliswararao, “**Dynamic analysis of hysteresis motor using matlab/simulink,**” International journal IJERT, vol. 1, no. 5, 2012.
 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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National Conferences:

1. B.V.Rao, G.V.Nageshkumar, A.Jagadesh and M. Vinay Kumar “**Enhancement of Power Quality using Unified Power Flow Controller**”, national conference on “Recent Advance in Power and Control Engineering (RAPCE-2K11)” Dept. of EEE, Vignan’s Lara Institute of Technology & Science, Guntur, 16th -17th December-2011.
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, 28th -30th 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, 28th – 30th Dec. 2011.
3. D. G. Padhan and S. Majhi, “**Improved parallel cascade control structure for time delay processes**” IEEE INDICON 2011, BITs PilaniHydrabad Campus, 16th -18th Dec. 2011.
4. D. G. Padhan and S. Majhi, “**An Improved Cascade Control Structure for Time Delay Processes**” 35th national systems conference NSC-2011, IIT Bhubaneswar, 9th -11th Dec., 2011.
5. P.Saikumar,J.S.V.Siva Kumar and M.Rambabu, “**Model Reference Adaptive Controller Based Speed and Q-axis Inductance Estimation For Permanent Magnet Synchronous Motor Drive By Utilizing Reactive Power**”, IEEE International conference on Energy, Automation & signal(ICEAS-2011) at Siksha O Anusandhan University, BHUBANESWAR, pp. 1-6, December-2011
6. J.Usha Rani and T.S.Kishore, “**A New Control Technique for Mitigation of Power Quality Problems by UPQC with Non-Linear Loads**”, International Conference on Electrical and Electronics Engineering, IRNET, Bhubaneswar, 22nd -23rd Oct 2011.
7. J.S.V. Siva Kumar and P. Devendra “**Simulation studies on MRAC technique for the vector controlled PMSM drive**”, International Conference on Nano science, Engineering and advances computing (ICNEAC-2011), Dept of EEE, Swaranadhr A College of Engineering and Technology, Narsapur, A.P, pp. 622 – 626, 8th – 10th July 2011.
8. K.Suresh and M. Ram Babu, “**Performance of Three-Phase Neutral-Point Clamped Rectifier with Simplified Control scheme**”, International Conference onNanoscience, Engineering and Advanced Computing, pp. 446-450, 8th-10th July 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.
3. P.Devendra, Madhavi TVVS, K.aliceMary, and Ch.Saibabu“ **Microcontroller Based Control of Three Phase BLDC Motor**” International Journal of Engineering Research and Studies, Vol – 2, Issue 4, Oct 2011.

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.
 8. P.Ramana, M. Phani Kumar, K. Alice Mary and M. Suryakalavathi“**Design of full order observer for VSI fed PMSM Drive**”, International Journal of Emerging Sciences (IJES), Vol-1, Issue-3, pp. 504-515, September-2011.
 9. P.Devendra, K.Vinodkumar, K.aliceMary, and Ch.Saibabu, “**Speed control of four –Switch BLDC Motor Drive**” International Journal of Research and Reviews in Electrical and Computer Engineering (IJRRECE) Vol – 1, no. 3, pp. 1009 – 1015, Sep 2011.
 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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1. B. Ramesh and M.Rambabu“**A Novel Switch mode DC to AC Inverter with nonlinear Robust control**” National Conference on Design,Operation and Control of Distribution systems, Holy Mary Institute of Technology and Science ,Bhogaram, Keesara, RR Dist, 26th - 27th May 2011.
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,HITSCollege of Engineering, pp. 33-38, 26th -27th 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, 30th-31st 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, 10th -12th 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, 2nd - 3rd 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, 2nd -3rd 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, 2nd -3rd 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 electrical power and energy systems Siksha O Anusandhan University, Institute of Technical Education and Research, 1st-2nd 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, 11th -12th June 2010.

National Journals:

1. P.Saikumar, J.S.V.Siva Kumar , “**A study on speed estimation techniques for sensor less permanent magnet synchronous motor drive by utilizing the reactive power**”, Engineering Today Monthly National Journal, Vol-13, Issue 5, ISSN:0974-8377, pp. 157-162, May-2011.

International Conference:

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