GMR Institute of Technology (GMRIT)
Deemed to be University

List of Publications
Department of Electrical and Electronics Engineering
GMR Institute of Technology (GMRIT) – Deemed to be University
Rajam, Andhra Pradesh–532127, India

Details / Academic year	National Conference	National Journal	International Conference	International Journal	Books/ Book Chapter	Total Publications	Cumulative Publications
2026-27	00	00	00	00	00	**00**	**858**
2025-26	00	00	32	41	15	**88**	**858**
2024-25	00	00	38	24	04	**66**	**770**
2023-24	00	00	09	34	07	**50**	**704**
2022-23	00	00	10	42	02	**54**	**654**
2021-22	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**

2026-27:

2026-27:
National Conferences:
----------NIL----------

2026-27:
National Journals:
----------NIL----------

2026-27:
International Conferences:
----------NIL----------
2026-27 :
International Journals:
----------NIL----------
2026-27 :
----------NIL----------

2026-27 :
Book Chapter:
----------NIL----------

2025-26:

2025-26:
National Conferences:
----------NIL----------

2025-26:
National Journals:
----------NIL----------

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, https://doi.org/10.1063/5.0279223
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
22. M Venkatesh; V Guntreddi; P J Chacko, "Circulating Current Control in Modular Multilevel Converter Using a Super Twisted Sliding Mode Control", Lecture Notes in Electrical Engineering, 1412 LNEE, PP.307-322, Feb 2026 (Indexed by SCOPUS, 10.1007/978-981-96-5423-9_21)
23. Suresh Kumar LV, Kuppili Saipraneeth, Bojanki Priyanka "Deep Learning and Cloud-Integrated IoT Systems for Early Crop Disease Detection", 2025 Third International Conference on Cyber Physical Systems, Power Electronics and Electric Vehicles (ICPEEV),Mahendra University, March 2026, (Indexed by SCOPUS, 10.1109/ICPEEV67897.2025.11291431)
24. R. Janapati, V. Manoj, U. Desai, V. Babu and G. S. Sabreen, "Explainable Hybrid PSO-SVM Framework for EEG-Based Cognitive Confusion Detection," 2026 5th International Conference on Sentiment Analysis and Deep Learning (ICSADL), Birendranagar, Nepal, 2026, pp. 1-5, doi: 10.1109/ICSADL67539.2026.11452046.

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26. M. V. Kumar, A. Anil Kumar, U. Vasavi, R. Nandini, L. S. Roshini and V. Manoj, "Cyber Security in Wireless Charging Systems for Electric Vehicles," 2026 International Conference on Signal Processing and Electronics Design (ICSPED), Chandigarh, India, 2026, pp. 1-6. https://doi.org/10.1109/ICSPED65817.2026.11448488.
27. S. Swain, P. K. Das, S. Nanda and S. P. Mishra, "Fuzzy Logic Driven Kernel ELM Model with Gaussian Activation Function for Accurate Wind Forecasting," 2026 4th Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON), Bhubaneswar, India, 2026, pp. 1-6, doi: 10.1109/ODICON66687.2026.11470799.
28. S. P. Mishra, P. UshaRani, S. Swain and P. K. Das, "Analyzing and Enhancing the Efficacy of 1 MW GMR Solar Power Plant by Comparing the Data Analysis Using PVSYST," 2026 4th Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON), Bhubaneswar, India, 2026, pp. 1-6, doi: 10.1109/ODICON66687.2026.11470579.
29. V. Manoj, B. Praveena, P. K. Y. Kundala, D. R. Babu, N. V. A. R. Kumar and P. Sivasai, "Performance Analysis of Hybrid Renewable Energy Systems in Smart Cities Using Iot Monitoring," 2026 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE), Bangalore, India, 2026, pp. 1-5, doi: 10.1109/IITCEE67948.2026.11394182
30. M. Sreedhar, B. Maram, V. V. A. Menda, V. Manoj, N. V. A. R. Kumar and A. R. Vardhan, "Energy-Efficient Communication Protocols for Low-Power IoT Networks in Smart Cities," 2026 IEEE Madhya Pradesh Section Conference (MPCON), Gwalior, India, 2026, pp. 1171-1177, doi: 10.1109/MPCON69668.2026.11508318.
31. D. R. Babu, V. Manoj, N. Kella, V. Gunta, B. K. Bandlamudi and S. C. Gadagamma, "Solar Integrated Contactless Charging Technique for Electric Transportation," 2026 IEEE Madhya Pradesh Section Conference (MPCON), Gwalior, India, 2026, pp. 1405-1410, doi: 10.1109/MPCON69668.2026.11508603.
32. R. Pilla, D. C. Mouli, R. Sasidhar, A. R. Vardhan, A. Swathi and V. Manoj, "Multi-Modal Energy Forecasting and Smart Load Balancing for EV Battery System Using Edge AI and IoT," 2026 IEEE Madhya Pradesh Section Conference (MPCON), Gwalior, India, 2026, pp. 1387-1393, doi: 10.1109/MPCON69668.2026.11508515.

2025-26 :
International Journals:

1. P., Madasamy, P.; M., Rambabu, M.; S.B., Tilak Babu, S. B.G.; D., Koshti, Dipali; S., Kamoji, 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 NiCo2O4 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).
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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. 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/ijeee-v12i6p105)

8. 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://scibulcom.net/en/article/0209-4541_2025_48_2_722-731)
9. 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)
10. 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)
11. 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)
12. 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)
13. 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.)

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15. 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)
16. 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, pp.104-117, 2025 (Indexed by SCOPUS, Impact Factor:0.129, Q4, DOI link:10.14445/23488379/IJEEE-V12I6P108)
17. J. S. V. Siva Kumar, MahmadMustafa, 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. 122, no.10, pp.3891-3904, 2025 (Indexed by SCOPUS, Impact Factor:0.129, Q4, DOI link:10.32604/ee.2025.070052)
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19. 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)
20. 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", Advanc-

es 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/aeee.v23i3.250105)

21. 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)
22. 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)
23. 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://eurekamag.com/research/100/423/100423186.php?srsltid=AfmBOopALlZ9kV69FF21AWSwnVpyRlBcodPqjqF68d0T8fff_yzdfPUn)
24. 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)
25. 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)
26. 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)

27. 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).
28. 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/ 10.11591/ijaas.v14.i4.pp1295-1304).
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2019-20 :

2019-20 :
National Conferences:
----------NIL----------
2019-20 :
National Journals:
----------NIL----------
2019-20 :
International Conference:

1. P Parhi, Sthita Prajna Mishra, J Naik and P.K. Dash, "A Hybridized Levy Flight Fruit Fly Optimization based Kernel Extreme Learning Machine for Bio-Medical Data Classification", International Conference on Artificial Intelligence and Signal Processing (AISP), Oranized by VIT-AP, Amaravati, during 10th -12th January 2020.
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Pelusi D. (eds) Computational Intelligence in Pattern Recognition. Advances in Intelligent Systems and Computing, Vol. 1120, pp. 589-596, Springer, Singapore, February 2020. (ISBN No.: 978-981-15-2449-3), https://doi.org/10.1007/978-981-15-2449-3_50, **(**Indexed in:**SCOPUS)**

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3. Pilla R., Botcha N., Gorripotu T.S., Azar A.T. (2020) "**Fuzzy PID Controller for Automatic Generation Control of Interconnected Power System Tuned by Glow-Worm Swarm Optimization",** In: Nayak J., Balas V., Favorskaya M., Choudhury B., Rao S., Naik B. (eds) Applications of Robotics in Industry Using Advanced Mechanisms. ARIAM 2019. Learning and Analytics in Intelligent Systems, Vol. No. 5. Springer, Cham, September 2019, DOI: https://doi.org/10.1007/978-3-030-30271-9_14
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2018-19 :

2018-19 :
National Conference:
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National Journal:
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2018-19 :
International Conference:

1. Kishore T S, Koushik S D, Venu Madhavi Y, **"Modelling, Simulation and Analysis of PI and FL Controlled Microgrid System**", 3rd IEEE International Conference on Electrical, Computer and Communications Technologies (ICECCT 2019), SVS College of Engineering, Coimbatore, India, 20-22 Feb, 2019.
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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.
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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)
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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)

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 multilevel converters in back HVDC Systems**", national conference on new trend in multidisciplinary research and practice(NTMRP-2016), Organized by Department of Electrical and Electronics Engineering, GITAM University, Bangalore, during 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.

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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)
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5. T.S.Kishore, M.Selvaraj and S.K.Singal, "**Methodology for Cost Estimation of Overhead Power Transmission Lines**", International Journal of Power and Energy Conversion, Vol. 8, Issue 2, pp. 132-145, 2017. (Indexed in: Scopus) (ISSN No.: 1757-1162)
6. T.S.Kishore, S.D.Koushik and I.Vidyabharati, "**Life Cycle Costing based LCOE Method for Economic Analysis of Low Head Small Hydro Power Plants in India**", Water & Energy International, Vol. 59, Issue 10, pp. 43 to 48, January 2017 . (Indexed in: Scopus) (ISSN No : 0974-4711)
7. M.Vinay Kumar, G.V.Nagesh Kumar, "**Field Programmable Gate Array Chip Design for Hybridized PSO-BFOA Based Maximum Power Point Tracker"**, International Journal of Control Theory and Applications, Vol. 9, Issue 32, pp 119-128, November 2016. (Impact Factor: 8.40) (Indexed in: SCIE) (ISSN No.: 0974-5572)
8. Devendra Potnuru, Alice Mary K, Saibabu Ch., "**Design and implementation methodology for rapid control prototyping of closed loop speed control for BLDC motor**", Journal of Electrical Systems and Information Technology. Article in press with DOI (http://dx.doi.org/10.1016/j.jesit.2016.12.005)
9. **Kumar P. Bharani Chandra**, H. Alwi, and C. Edwards, "**Fault Detection in Uncertain LPV Systems with Imperfect Scheduling Parameter Using Sliding Mode Observers**," Accepted (and available online) in European journal of control**,** 2017. doi: 10.1016/j.ejcon.2016.12.001. (Impact factor: 1.342) (SCI Indexed, ISSN No: 0947-3580)
10. M.Rambabu, G.V.Nagesh Kumar and S.Siva Nagaraju**, "Low-Voltage Ride through for a Single-Phase Transformer Less PV System using HERIC Topology"**, International Journal of Control Theory and Applications (IJCTA), Vol. No.9, Issue No.32, pp. 129-138, Dec 2016. (Indexed in: Scopus) (ISSN No.: 0974-5572)
11. M.Rambabu, G.V.Nagesh Kumar and S.Siva Nagaraju**, "Energy Management of Micro Grid using Support Vector Machine (Svm) Model",** The IIOAB Journal, Institute of Integrative Omics and Applied Biotechnology (IIOAB), Vol. No.7, Issue No.11, pp 116-132, Oct- Dec 2016. (Indexed in: emerging SCI (E-SCI)) (ISSN No.: 0976-3104)
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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)
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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

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17. P.Devendra, K.Alice Mary, Ch.Sai Babu, "**Open Loop Speed Control of Brushless DC Motor using Low Cost Arduino UNO Processor**", I-manager's Journal on Electrical Engineering, Vol. No.10, Issue No. 1, pp 1-6,November-2016. (Impact Factor- 0.786, Indexed in: Google scholar, ISSN Online: 2230-7176)
18. P. Praveen Kumar, "**Modeling and Control Strategy of the Modular Multilevel Converter**", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. No.5, Issue No.10, pp 7907-7914, October 2016. (Impact Factor: 5.621) (Indexed in: Google scholar etc) (ISSN No.: 2278 – 8875)
19. K.V.S.Prasad, "**Electronic Waste – An Emerging Threat to the Health and Environment**", Pollution Research, Vol. No. 35, Issue No.3, pp.587-593, September 2016. (Impact Factor: NAAS Rating - 4.75) (Indexed in: SCOPUS) (ISSN 0257-8050).
20. Harish Balaga, "**Generalized Regression Neural Network and Wavelet Transform for Transformer Protection**", Int. J. Emerg. Res. Manag. & Technology, Vol. 5, Issue 8, pp. 73–80, 2016. (Impact Factor: 1.492) (Indexed in: Google scholar/CiteSeer etc) (ISSN No.: 2278-9359)
21. Srinivasa Kishore Teegala, "**Design and Simulation of Standalone Integrated Renewable Energy System for Remote Areas**", International Journal of Research in Engineering and Technology, Vol. No.5, Issue No.5, pp 192-199, August 2016. (Impact Factor: 3.935) (Indexed in: Google scholar) (ISSN No.: 2319-1163)
22. P. Devendra, "**Simulation of Sliding Mode Observer for Sensorless Control of BLDC Motor**", International Journal of Electrical & Electronics Engineers, Vol. No.8, Issue No.2, pp 40-50, July-December, 2016. (Impact Factor: 1.6)
23. P.Ramana and S.L.V.T.Ayya Rao, "**Tuning of Extended Kalman Filter for Speed Estimation of PMSM Drive using Particle Swarm Optimization**", International Journal of Application or Innovation in Engineering & Management (IJAIEM), Vol.5, Issue 7, pp. 100-107, July 2016. (Impact Factor: 2.379)
24. J.S.V.Siva Kumar**, "Design of Hybrid Dc/Dc Step-Up Converter with High Voltage Gain for Fuel Cell Based Electric Vehicle Applications",** International Journal of Electrical and Electronics Engineers, Vol. 8, Issue 2, pp. 138-148, July-December 2016. (Impact Factor: 0.501)
25. L.V.Suresh Kumar, "**Power Conversion in Renewable Energy Systems: A Review of Advances in Wind and PV System**", International Journal of Energy Research, Vol. 40, Issue 10, pp 1-83, August 2016. (Impact Factor: 2.529) (Indexed in SCIE)
26. L.V.Suresh Kumar, "**Diode Clamped Based Stand Alone Photovoltaic with POD**", International Journal of Energy Research, Vol. 11, Issue 4, pp 55-62, August 2016. (Impact Factor: 1.419)
27. G Chandra Sekhar, "**Solar Energy Interfacing to Grid by Using Five-Level Inverter**", International Journal of Electronics & Communication Technology, Vol. 7, Issue 3, pp 24-29, July 2016. (Impact Factor: 3.871)
28. Satish Kumar Injeti, "**An efficient approach for optimal multilevel thresholding selection for gray scale images based on improved differential search algorithm**", International Journal of Ain Shams Engineering Journal, Elsevier, DOI: 10.1016/j.asej.2016.06.007, July 2016. (Impact Factor: 1.027) (Indexed in: SCI))

29. P.Devendra, "**Adaptive PID Fuzzy Gain Scheduling for Performance Enhancement of Brushless D.C Motor using DSPACE DS1103**", International Journal of Applied Engineering Research, Vol.11, pp. 7020-7024, June 2016. (SCOPUS Indexed)
30. L.V. Suresh Kumar, "**Pattern search algorithm based automatic online parameter estimation for AGC with effects of wind power**", International Journal of Electrical Power and Energy Systems, Elsevier, Vol.84, pp. 135 to 142, May 2016.
31. D.Rajesh Babu, "**An Infrared Sensor Based Simple and Low Cost Automatic Light Switching System**", International Journal of Innovative Research in Science Engineering and Technology, Vol. 5, Issue 5, May 2016.
32. I.Satish Kumar, "**Optimal tuning of PID controller for LFC of two area power system (PV-diesel) using bio-inspired optimization algorithms**", International Journal of World Journal of Modelling and Simulation, Vol. 12, No. 2, pp. 112-124, May 2016.
33. G.Chandra Sekhar, "**A logic based protection scheme for six phase transmission system against shunt and series faults**", International Journal of World Journal of Modelling and Simulation, Vol. 12, No. 2, pp. 125-136, May 2016.
34. P.Upendra Kumar, "**Design Of A Linear And Non Linear Controller For Induction Motor**", International Journal for Modern Trends in Science and Technology, Vol. 2, Issue 6, May 2016.

2015-16 :

2015-16
National Conferences:

1. L. V. Suresh Kumar, "**Review on Conventional Diode Clamped Multilevel Inverter**", A national Conference on Recent Advances in power ,control and drives for sustainable Energy (PCDSE-16), Organized by GITAM University, Visakhapatnam, 4th & 5th March 2016
2. P.Devendra, "**Self turning of PID controller for speed control of BLDC Motor using Fuzzy gain scheduling**", Recent Trends in Power Electronics & Drives, Organized by AITAM, Tekkali during 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 DSVPWM 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) under 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.

2015-16
National Journals:
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2015-16
International Conference:

1. K.V.S.Prasad, "**Electronic Marketing - The New Trend in E-Commerce: An overview**", International Conference on Marketing in Emerging Economies (CMSIMC 2016), Centre for Management Studies, Jamia Millia Islamia (Central University) New Delhi, 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, during17th 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.

2015-16

International Journal:

1. T. S. Kishore "**Optimal costing of overhead power transmission lines using genetic algorithms**", International Journal of Electrical Power and Energy Systems, Vol. 83, Issue 2, pp. 298–308, April 2016.
2. P.Devendra, "**Derivative-free Square-root Cubature Kalman Filter for Nonlinear Brushless DC Motors**", International Journal of IET Electric Power Applications, Vol.10, Issue 4, April 2016.
3. V Sanjay Kumar, Harish Balaga, "**Rotor Flux Estimation of Induction Motor using Artificial Neural Network**" , Journal of the International Association of Advanced Technology and Science, Vol.16, November 2015.
4. D.Rajesh Babu, V.Srikanth Babu and T.Satyanarayana, **"Tracker Robot using Dual Tone Multiple Frequency (DTMF) and Microcontroller",** IEEE Explore, An International Journal, DOI: 10.1109/EESCO.2015.7253772, 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 (IJAER), Research India Publications, Vol. 10, No. 13, Page No. 33904-33908, , August 2015.
22. M.Venkatesh, & R. Ramakrishna, "**Economic Load Dispatch using Simulated Annealing Algorithm**", International Research Journal of Engineering and Technology (IRJET), e-ISSN 2395-0056, p-ISSN 2395-0072 Vol. 2, Issue 3, pp 1961-1964, June-2015 (Impact Factor : 2.518)
23. T.S. Kishore, "**Analysis of Investment Issues and Transmission Schemes for Grid Integration of Remote Renewable Energy Sources**", International Journal of 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:

----------NIL----------

International Conferences:

1. L.V. Suresh Kumar, "**Harmonic Comparison with Modular Multi Level Converter of Multi Connection Wind Energy Systems**", International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), VIGNAN'S Institute of Information Technology, Visakhapatnam, 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.
4. Venkatasubramanian Balaji Venkateswaran, "**Observability Analysis and Optimal Placement of PMU using Krill Herd Algorithm**", International Journal of Applied Engineering Research (IJAER), Research India Publication, Vol. 10 No.1, pp. 176-180, March-2015
5. P. Ramana, K. Alice Mary, M. Surya Kalavathi & S.P. Avinash, "**Design Methodology for Internal Angle Control of a Non-linear Vector Controlled Variable Reluctance Synchronous Motor**", International Journal of Applied Engineering Research, Vol.10, No.1, pp. 217-223, Research India Publications, March-2015
6. P. Ramana, M. Surya Kalavathi, K. Alice Mary & V. Dinesh Gowri Kumar, "**Design Methodology for the Field Orientation Control of a Non-Linear Vector Controlled Sinusoidal Permanent Magnet AC Motor**", ARPN Journal of Engineering and Applied Sciences, Vol.10, No.5, pp. 2159-2166, March 2015
7. L.V. Suresh Kumar, "**Design of Wind Energy System on the Building Tower Applications**", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 4, Issue 2, page no. 344-354, February, 2015
8. Ravi Kiran, "**PV Based Single Phase Induction Motor with Seven Level Inverter**", International Journal of Engineering, Technology Science and Research (IJETSR), Volume 2, Issue 1, January, 2015.
9. A.Tirupati Rao, M. Vinay Kumar, and V. Manoj published a paper entitled, "**Analysis of Communication Failure in Multi-Infeed HVDC System**", International Journal of Emerging Trends in Engineering and Development, Vol. 6, Issue 4, pp No. 75-84, Oct – Nov, 2014.
10. S. R. Chaitanya, J S V Siva Kumar, M. Rambabau "Fuel Cell Supplied SVPWM Controlled Inverter Fed PMSM Drive in an Electrical Vehicle", International Journal of Engineering Research & Technology (IJERT), (This work is licensed under a Creative Commons Attribution 4.0 International License),Vol. 3 Issue 9, September- 2014.
11. M. Venkateswara Rao, "**Estimation of Damping Torque for Small-Signal Stability of Single Machine Infinite Bus System** ", International Journal of Research in Applied Science & Engineering Technology (IJRASET), Issue-2, Impact Factor - 3.995, October 2014.
12. T.S. Kishore, "**Costing of Overhead Power Lines**", International Journal of Engineering Science & Management (IJESM), Vol. 4, Issue 2, pp. 55-64, July – December, 2014.
13. M. Sreedhar, "**Voltage Balancing Scheme in MMC-A New Approach**" International Journal of Emerging Electric Power Systems, Vol. 15, Issue 4, pp 389-399, August – 2014.
14. M. Sreedhar, "**A Survey and Experimental Verification of Modular Multilevel Converters**", International Journal of power Electronics and Drive System (IJPEDS), Vol. 4, No. 3, Page No. 363-375, September – 2014.
15. S. Lalitha Kumari, "**Static Security Analysis using Support Vector Machine**" International Journal of Engineering Research & Technology (IJERT), Vol. 3, Issue 9, pp 507-511, September, 2014.
16. V. Manoj, "**Speed Control of Induction Motor Using Vector Control**" International Journal of Emerging Trend in Engineering and Development, Vol. 4, Issue 4, pp. 336-348, June-July 2014.

17. M. Venkatesh, Rama Krishna Raghutu, **"Performance Analysis of Switched Reluctance Motor using Linear Model"**, International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 2, Issue 7, pp 1841 – 1846, July 2014.
18. M. Venkatesh & Ramakrishna Raghutu, "**Mitigation of Voltage Fluctuations in Power System Using STATCOM",** International Journal of Engineering Research and Applications, Vol. 4, Issue 7(Version 5), pp.163-167, July 2014.

2013-14

National Conferences:

1. A. Tirupati Rao, P. Ramana, P. Kanta Rao "**Direct Torque Control of Induction Motor using ANN**" National Conference on Emerging Technologies in Electrical and Electronics Engineering under TEQIP-II during 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 autodrive**", International Conference on Connected Vehicles and Expo (ICCVE), IEEE Conference Publications, pp. 808 – 809, Dec2013.

International Journals:

1. P. Ramana, B. Santhosh Kumar, Dr. K. Alice Mary and Dr. M. Surya Kalavathi**"Comparison of Various PWM Techniques for Field Oriented Control VSI Fed PMSM Drive",** International Journal of Advanced Research in Electrical, Electronics & Instrumentation Engineering (IJAREEIE), Vol.2, Issue 7, July 2013.

2. P. Ramana, B. Santhosh Kumar, K. Alice Mary and M. Surya Kalavathi**"Direct Torque Control of Inverter Fed PMSM Drive using SVM",**International Journal of Application or Innovation in Engineering & Management (IJAIEM),Vol.2, Issue 7,pp 480-486, July 2013.
3. MuraliMatcha, Sharath Kumar Papani, K. Vijetha**"Protective relaying scheme of distributed generation connected radial distribution system"**, International Journal of Energy and power engineering, pp 121-127, science publishing group, 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 (IJAIEM) ISSN 2319 – 4847, pp307 – 313, Volume 2, Issue 8, on August 2013
7. V. DivyaKeerthi, J.S.V. Siva Kumar "**Model Reference Adaptive Control Based Parameters Estimation of Permanent Magnet Synchronous Motor Drive**" International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 – 4847, pp 267 – 275, Volume 2, Issue 8, on August 2013
8. P. Devendra, Ch. PavanKalyan, K. Alice Mary, Ch. Saibabu "**Simulation Approach for Torque Ripple Minimization of BLDC Motor Using Direct Torque Control**"International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Vol. 2, Issue 8, ISSN (Print): 2320 – 3765, ISSN (Online): 2278 – 8875, pp. 3703 – 3710, August, 2013
9. B.D. Srinivasa Rao, Ch. Hemanth Kumar, V. Srikanth Babu "**Power Flow in PMSG Connected Wind Energy Conversion System through Current Source Converter Using Space Vector Modulation Technique**" International Journal Advanced Computer Research , (ISSN (print): 2249-7277 ISSN (online): 2277-7970) Vol.3 (3), Issue 11 pp 70-75 in International Conference on Engineering Trends, Technology and Research (ICETTR 2013), during 21st – 22nd September, 2013, at Nagpur, Maharashtra, India
10. M. Venkateswara Rao, K. Jayakara Babu "**Damping Sub Synchronous Resonance in Turbine – Generator Set Using GCSC, UPFC and SSSC**" International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 – 4847, pp117 – 124, Volume 2, Issue 9, on September 2013
11. P. Surya Kumari, P. Kanta Rao "**Power loss minimization using cat swarm optimization**" International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 – 4847, pp 174 – 181, Volume 2, Issue 9, on September 2013
12. M. Rambabu, M. Dhananjaya and Dr. G.V. Nagesh Kumar "**Power Balancing Control for AC/DC Microgrid**" International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 – 4847, pp 89 – 96, Volume 2, Issue 9, on September 2013
13. A. Appa Rao, M. Win Babu, K.S. Linga Murthy "**Forward sweeping method for solving radial distribution networks**" in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2320 – 3765, Vol. 2, Issue 9, September, 2013

14. SrinivasRonanki, G. Indira Kishore "**Unified Power Quality Conditioning Using MC-UPQC System with ANN Technique**" in International Journal of Engineering Research and Innovative Application (IJERIA), ISSN: 2248-9278, pp 1057-1064, Vol. 1, Issue 3, during Sep – Oct, 2013
15. SrinivasRonanki, G. Indira Kishore "**Unified Power Quality Conditioning Using MC-UPQC System with PI Controller Technique**" in International Journal of Engineering Research and Innovative Application (IJERIA), ISSN: 2248-9278, pp 1057-1064, Vol. 1, Issue 3, during Sep – Oct, 2013
16. PP. Vinod Kumar, L.V. Suresh Kumar, Ravipudi. Sudhir "**Power Control of Grid Connected PMSG Wind Energy System**" in International Journal of International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN: 2278-8875, pp 4668-4674, Vol. 2, Issue 9, October, 2013
17. V. Ravi Kiran, V. Manoj, P. Praveen Kumar "**Genetic Algorithm approach to find excitation capacitances for 3-phase smseig operating single phase loads**" in an International Research Journal Caribbean Journal of Science and Technology ISSN 0799-3757, Vol. 1, pp 105-115, on October 2013
18. Murali. Matcha, Sharath Kumar. Papani, Vijetha. Killamsetti "**Design, modeling and simulation of Fuzzy controlled SVC for 750 km (λ/8) Transmission line**" in American Journal of Electrical Power and Energy Systems, Vol. 3, No. 1, pp. 1–6, on January, 2014
19. SundaraiahNayini, Ramakrishna Raghutu "**Coordinated PSS and STATCOM Controller for Damping Low Frequency Oscillations in Power Systems**" in International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, Vol. 3, Issue 1, on January, 2014.
20. A. Tirupati Rao, P. Ramana, P. Kanta Rao "**Modeling of CIGRE HVDC Benchmark System in MATLAB / SIMULINK**" in International Journal of Education and Applied Research (IJEAR) ISSN: 2348-0033/2249-4944, Vol. 4, Issue Spl-1, Jan – June 2014
21. P. Surya Kumari & P. Kanta Rao, "**Voltage Stability Enhancement Using Cat Swarm Optimization Algorithm**" in International Journal of Electrical, Electronic Science and Engineering, Vol. 7, No. 11, 2013World Academy of Science, Engineering and Technology

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2012-13

National Conferences:

1. V. DivyaKeerthi, B. Vikas and J.S.V. Siva Kumar,"**MRAS Based Parameter Estimation For Induction Motor Drive**" National conference on Recent Developments in Electrical Engineering, AITAM, Tekkali, March 2013.
2. D. Narendra Kumar, K AlfoniJose, D Sandhya Rani, S. Lalitha Kumari "**Dynamic Adaptive Control of Mobile Robot Using RBF Networks**"National Conference on Recent Developments in Electrical Engineering (NCRDEE-2013), AITAM, Tekkali, during 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 transimission"** 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), LakkireddyBalireddy 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.LalithaKumari andY.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.SivaKotaiah, **"Modeling and Simulation of Power Variation of Wing Energy System."** International conference on advances in Power Conversation and Energy Technologies (APCET), 2nd – 4th Aug 2012.

International Journals:

1. G.Sailaja, M.Saisesha 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.
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