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**Publication Details (last 5 years)**

**Journal Publications**

1. Prakashraj, K, Vijayakumar, G, Saravanan, S, Saranraj, S,” IOT based Energy Monitoring and Management System for Smart home using Renewable Energy Resources”, International Research Journal of Engineering and Technology , vol.no.7, issue no. 2, pp. 1790-1797, 2020.
2. N Harish, R Jayakumar, P Kalaiyarasan, G Vijayakumar, S Saravanan,” IoT Based Smart Home Energy Meter”, International Journal of Engineering Technology Research & Management no. 4, issue no.3 pages 177-183,2020.
3. V Dhinesh, DG Vijayakumar, DS Saravanan,” A Photovoltaic Modelling module with different Converters for Grid Operations”, International Journal of Innovative Research in Technology, volume no. 6 , issue no.8, pages 89-95, 2020.
4. V Periyasamy, G Vijayakumar,” Design and Implementation of IOT based Modern Weaving Loom Monitoring System”, International Journal of Engineering Technology Research & Management, volume no. 4, issue no. 4, pages 11-16,2020.
5. Jayaprakasam, S, Vijayakumar, G, Saravanan, S,” An Efficient Analysis of Energy Conservation Audit and Symmetric Measurement for Wide -area Power System”, Journal of Seybold Report, volume no. 15, issue no. 9, pages 1876 – 1883,2020.
6. R Punitha, Dhinesh,V, Saravanan,S, Vijayakumar,G,” PV Integrated Highly Efficient Quasi Z - Source Inverter Using Adaptive Neuro Fuzzy Inference System”, Journal of Seybold Report, volume no. 15, issue no. 8, pages 1082-1089, 2020.
7. P Kirubanantham, G Vijayakumar,” Novel recommendation system based on long-term composition for adaptive web services”, Computational Intelligence, volume no. 1, issue no.1, pages 1-15.2020.
8. Kirubanantham, P, Vijayakumar, G,” Real Time Quality of Service Specific Dynamic Web Service Composition and for Improved Performance of SOA Implicit Explicit Feedback”, International Journal of Advanced Science and Technology, volume no. 29 , issue no.4, pages 5102-5109, 2020.
9. P Suresh, G Vijayakumar,” Shunt Active Power Filter with Solar Photovoltaic System for Long-Term Harmonic Mitigation”, Journal of Circuits, Systems and Computers, 2019.
10. P Rajarathinam, G Vijayakumar,” An Intelligent Control of Three-Phase Distributed Power Flow Controller for Power Quality Improvement”, Tierärztliche Praxis , volume no.39, issue no.10, pages 108-120, 2019.
11. V Dhinesh, T Premkumar, S Saravanan, G Vijayakumar,” Online Grid Integrated Photovoltaic System with New Level Inverter System”, International Research Journal of Engineering and Technology, volume no. 5, issue no. 12, pages 1544-1547,2018
12. T Aravind, G Vijayakumar,” Semantic Representation of Data Security for Centralizing Data Storage in Cloud Environment”, International Journal of Innovative Research in Engineering Science and Technology, volume no.6, issue no.2, pages 94-106, 2018.
13. P Suresh, G Vijayakumar,” Control Strategy for A UPQC System to Compensate Power Quality Problems”, International Journal of Industrial Engineering volume no. 1, issue no. 3, pages 121 -128,2017.

14. P Suresh, G Vijayakumar," Solar System Based Static Compensator For Power Quality Enhancement Using T-Connected Transformer", International Journal of Research in Engineering Technology, volume no. 2, issue no.4, pages 14-23, 2017.
15. P Suresh, G Vijayakumar," Novel Control Strategy for a UPQC System to Compensate Power Quality Problems At The Point Of Common Coupling", Journal of Power Electronics and Drives, volume no.2, issue no.2, pages 549-557,2017.
16. M Soundharya, G Vijayakumar," Automation in Water Board using PLC with SCADA", International Journal of Advanced Research in Biology Engineering Science and Technology, volume no.2, issue no. 10, pages 1503 – 1510, 2016.
17. P Suresh, G Vijayakumar," Renewable Energy Sources based Static Compensator (STATCOM) for Power Quality Improvement", International Journal of Current Research and Modern Education volume no.1 issue no.1, pages 197-204, 2016.
18. P Karuppusamy, G Vijayakumar, S Sathishkumar," Certain investigation on multilevel inverters for photovoltaic grid connected system", Journal of Circuits, Systems and Computers, volume no.25, issue no. 09, 2016.
19. V Ravi, G Vijayakumar, C Karthikeyan," Operation of PV System With dc–dc Boost-Fed Shunt Active Filter to Mitigate Current Harmonics and Energy Conservation", Journal of Testing and Evaluation volume no.44 , issue no.1, pages 342-356,2016.