

Government College of Engineering Aurangabad

Electrical Engineering Department



Prof. W. A. Gavhane

M.Tech (Power System)

M.Tech project: PMU placement and state estimation in power system

Assistant Professor

Credentials	Google Scholar	Scopus
Number of Publications till date	10	1
Citations	2	0
H Index	1	0
I 10 Index	0	

Publications :

1. Walmik A Gavhane and Ashwini S Gawali, “PMU Placement Using Graph Theoretic Approach and State Estimation”, *International Journal of Engineering Sciences*, ISSN 0020-7225, Volume 1, Issue 1, Page 21 to 26, May 2013.
2. Walmik A Gavhane and Ashwini S Gawali, “A Review On State Estimation of Power System state by using Traditional and Synchrophasor measurements”, *International Journal of Engineering Sciences*, ISSN 0020-7225, Volume 2, Issue 1, Page 30 to 37, May 2013.
3. Prabhakar Pandey and Walmik Gavhane, “Dynamic Line Loadability”, *International Journal of Advances in Management Technology and Engineering Sciences*, ISSN 2249-7455, Volume 2, Issue 1, Page 112-115, June 2013.
4. Walmik A Gavhane and Renuka R Rahane, “Effect of Pa and MB-PSS on Transient Stability of Power System along with SVC Operating in Var Control Mode for a Weakly Damped Power System Operating near stability Limit”, *International Journal of Emerging Technologies and Innovative Research - JETIR*, ISSN 2349-5162, Volume 2, Issue 1, Page 266 to 270, June 2018.
5. Ritisha G. Ankushe, Prof. Walmik Gavhane, “Maximum Power Tracking & Harmonic Reduction on grid PV System Using Different Algorithm Based MPPT Controller”, *International Journal of Innovative Research in Science Engineering and Technology*, ISSN 2347-6710, Volume 11, Issue 1, Page 2551 to 2555, June 2022.
6. Shadab N. Sayyad, Mr. Walmik Gavhane, “DC motor speed control using PI controller”, *Journal of Emerging Technologies and Innovative Research*, ISSN 2349-5162, Volume 9, Issue 9, June 2022.
7. Kulkarni Sayali Sanjayrao, Gavhane Walmik A, “Electric vehicle regenerative braking powered by a BLDC motor”, *Journal of Engineering Sciences*, ISSN 0377-9254, Volume 14, Issue 4, Page 635 to 639, June 2023.
- 8.
9. Walmik A Gavhane, “Review On Power System State Estimation”, *International Conference on Advances in Engineering and Technology (ICAET)*, SKN Sinhgad Institute of Technology & Science, Lonavala, Volume 1, Page 30 to 37, May 2013.
10. Walmik A Gavhane, “PMU Placement Using Graph Theoretic Approach and State Estimation”, *International Conference on Advances in Engineering and Technology (ICAET)*, SKN Sinhgad Institute of Technology & Science, Lonavala, Volume 1, Page 21 to 26, May 2013.
11. Prabhakar Pandey Walmik A Gavhane, “Dynamic Line Loadability”, *International Research Conference On Innovative Strategies In Commerce Management Engineering Technology And Social Sciences*, Volume 1, Page 112 to 115, June 2013.

12. Walmik A Gavhane Renuka R Rahane Sadhana Chidrawar Krishna T Madrewar and V A Kulkarni, "Analysis of Steady State and Dynamic Performance of a Static Synchronous Compensator", *3rd International Conference on Advance Trend in Engineering Technology and Research, Bal Krishna Institute of Technology, Kota, Rajasthan, Volume 1, Page 235 to 241, December 2014.*
13. Krishna T Madrewar Rajan H Chile Vivek R Aranke Walmik A Gavhane Gorakshanath B Abande, "Effect of Shunt Device on Distance Protection", *3rd International Conference on "Advance Trend in Engineering, Technology and Research", Bal Krishna Institute of Technology, Kota, Volume 1, Page 110 to 115, December 2014.*
14. Krishna T Madrewar and Walmik A Gavhane, "Adaptive Approach in Deregulation of Indian Power System", *IEEE International Conference on Energy Systems and Applications (ICESA 2015) 978-1-4673-6817-9/15/\$31.00 ©2015 IEEE, Dr. D. Y. Patil Institute of Engineering and Technology, Pune, Volume 1, Page 166-171, October 2015.*
15. Walmik A Gavhane, "Effect of Pa and MB-PSS on Transient Stability of Power System along with SVC Operating in Var Control Mode for a Weakly Damped Power System Operating near stability Limit", *International Conference on research trends in engineering Applied Science and Management, Osmania University Centre for International Program, Volume 1, Page 204 to 208, November 2018.*
16. Walmik A Gavhane, Renuka R Rahane, "Transient Stability Improvement and Mitigation of Low Frequency Inter-area Oscillations in a Large Power System by using SVC and PSS", *International conference ICRIETMR 2018, Bal Krishna Institute of Technology, Kota, Volume 1, Page 12 to 17, December 2018.*