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**Journal Papers:**

1. S. Patra, S. K. Goswami, and B. Goswami, “Fuzzy and simulated annealing based dynamic programming for the Unit Commitment Problem,” *Expert Systems with Applications*, vol. 36, no. 3, pp. 5081–5086, 2009.
2. S. Patra, S. K. Goswami, and B. Goswami, “Fuzzy based fast dynamic programming solution of unit commitment with ramp constraints,” *Expert Systems*, vol. 26, no. 4, pp. 307–319, 2009.
3. B. Mahanta and B. Goswami, “An efficient differential evolutionary approach to optimal reactive power dispatch with voltage profile improvement,” *International Research Journal of Engineering and Technology (IRJET)*, vol. 2, 2015.
4. R. R. Borgohain and B. Goswami, “An efficient regression based demand forecasting model including temperature with fuzzy ideology for Assam,” *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, vol. 04, no. 01, pp. 331–338, 2015.
5. Manabjyoti Daimari, Dr. Barnali Goswami “Firefly based Unit Commitment”, *International Journal of Engineering Research & Technology (IJERT)* , ISSN: 2278-0181 IJERTV5IS120201 Vol. 5 Issue 12, December-2016.
6. Kuldip Deka, Dr. Barnali Goswami, “Artificial Bee Colony Algorithm for Profit Based Unit Commitment Using Modified Pre-Prepared Power Demand Table,” *International Research Journal of Engineering and Technology (IRJET)* Volume 4, Issue 5 , May 2017 S.NO: 122 .
7. Angkooor Deep Nath , Dr. Barnali Goswami, “An approach to Hybrid Maximum Power Point Tracking Controller for Partially Shaded PV system with Boost and Cuk Converter”, *Stochastic Modelling and Applications (UGC CARE APPROVED , 0972-3641, Page 305-319, Feb 2022*

**Conference Papers:**

1. Rashmi Rekha Borgohain and Barnali Goswami,” A Systematic Multi-parameter Time-Series Regression Based Load Forecasting Model for Assam,” *Journal of Basic and Applied Engineering Research* Print ISSN: 2350-0077; Online ISSN: 2350-0255; Volume 1, Number 11; October-December 2014 pp. 21-24

2. Pallavi Borthakur, Dr. B. Goswami, "Short-term load forecasting using data mining method," *National Conference on Emerging Trends in Energy and Electrical Systems 2019*, (ETEES – 19) "Page:30-34, 29th and 30th March 2019.
3. Pallavi Borthakur, Dr. B. Goswami , 'Short Term Load Forecasting: A Hybrid Approach Using Data Mining Methods, ICEFEET Conference, 978-1-7281-7548-5 Page:38-43 July 2020
4. B. Goswami and V. Agrawal, "Security constrained economic dispatch using a hybrid fuzzy genetic algorithm approach," *2013 International Conference on Computer Communication and Informatics*, 2013.
5. S. Patra, S. K. Goswami, and B. Goswami, "A binary differential evolution algorithm for transmission and voltage constrained unit commitment," *2008 Joint International Conference on Power System Technology and IEEE Power India Conference*, 2008.