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Publications:

1. J. Barman and D. Hazarika, "Linear and Quadratic Time–Frequency Analysis of Vibration for Fault Detection and Identification of NFR Trains," *IEEE Transactions on Instrumentation and Measurement*, vol. 69, no. 11, pp. 8902-8909, Nov. 2020.
2. J. K. Barman and D. Hazarika, "Condition Monitoring of NFR Trains With Measurements From a Single Wayside 3D Vibration Sensor," *IEEE Sensors Journal*, vol. 20, no. 8, pp. 4096-4103, 15 April15, 2020.
3. D. Hazarika, "New method for monitoring voltage stability condition of a bus of an interconnected power system using measurements of the bus variables," *IET Generation, Transmission & Distribution*, vol. 6, no. 10, p. 977, 2012.
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8. D. Hazarika and S. A. Hussain, "A voltage stability index for an interconnected power system based on network partitioning technique," *Journal of The Institution of Engineers (India): Series B*, vol. 99, no. 6, pp. 565–573, 2018.
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10. G. Das and D. Hazarika, "Perturb and observe-based control of four-leg grid-feeding inverters to mitigate voltage imbalances in low-voltage microgrids," *Journal of The Institution of Engineers (India): Series B*, vol. 103, no. 5, pp. 1707–1717, 2022.
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12. S. Dey, N. Deka, and D. Hazarika, “Power system planning for reduction in system losses using STATCOM and PSO Technique,” *Journal of The Institution of Engineers (India): Series B*, vol. 103, no. 4, pp. 1269–1281, 2022.
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14. D. Sutradhar and D. Hazarika, “A review of non-invasive electromagnetic blood glucose monitoring techniques,” *Asian Pacific Journal of Health Sciences*, vol. 9, no. 1, pp. 98–105, 2022.
15. D. Hazarika and J. K. Barman, “Development of a mathematical model for a railway track using a gray-box modelling technique,” *Journal of The Institution of Engineers (India): Series B*, vol. 101, no. 6, pp. 667–675, 2020.
16. N. Deka, and D. Hazarika, “An approach for improvement of voltage stability condition of a power system using Combination of Power Flow Controllers,” *ADBU Journal of Engineering Technology, 10,* 2021.
17. D. Hazarika and R. Das, “Use of DFIWG for improvement of voltage stability condition of a power system,” *Journal of The Institution of Engineers (India): Series B*, vol. 99, no. 1, pp. 61–69, 2017.
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