

MTech Admission 2025

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M.Tech Student Publications:

- [1] T. Roy, **M. W. Tesfay**, B. Nayak and C. K. Panigrahi, "A 7-Level Switched Capacitor Multilevel Inverter with Reduced Switches and Voltage Stresses," in IEEE Transactions on Circuits and Systems II: Express Briefs, vol. 68, no. 12, pp. 3587-3591, Dec. 2021, doi: 10.1109/TCSII.2021.3078903.
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- [6] S. K. Maity, T. Roy and **D. Saha**, "A novel structure of cascaded multilevel inverter with reduced device count," 2017 IEEE Calcutta Conference (CALCON), Kolkata, India, 2017, pp. 382-386, doi: 10.1109/CALCON.2017.8280760.
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- [9] L. Nanda, B. Panda, A. Sharma, A. Pradhan, C. Jena and **S. Nandi**, "Modeling a Series Topology for 27-Level Multilevel Inverter with reduced number of switches and voltage sources," 2022 International Virtual Conference on Power Engineering Computing and Control: Developments in Electric Vehicles and Energy Sector for Sustainable Future (PECCON), Chennai, India, 2022, pp. 1-6, doi: 10.1109/PECCON55017.2022.9851167.
- [10] B. Panda, A. Sharma, **S. Nandi**, A. Pradhan, B. Panda and C. Jena, "Modelling and Control of PMSG based Wind Turbine," 2021 International Conference on Control, Automation, Power and Signal Processing (CAPS), Jabalpur, India, 2021, pp. 1-6, doi: 10.1109/CAPS52117.2021.9730662.
- [11] R. Dash, **P. R. Behera** and S. M. Ali, "Hybrid system for meeting global energy demand with solar PV and wind system," 2014 International Conference on Control,

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- [15] **M. W. Tesfay**, T. Roy, **S. K. Swain** and L. Nanda, "A Novel Step-up 7L Switched-Capacitor Multilevel Inverter and Its Extended Structure," 2021 1st International Conference on Power Electronics and Energy (ICPEE), Bhubaneswar, India, 2021, pp. 1-6, doi: 10.1109/ICPEE50452.2021.9358651.
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