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Department: Electrical Engineering (EE)

Designation: Lecturer in EE

Date of Joining this Institute: 22/08/2016

Date of 1st Joining in Govt. Institute: 22/08/2016

Teaching Experience: 02 years

Industrial Experience: 02 years



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Qualifications:

Sr.No	Course	University/Institute	Year
01	M.Tech (Power Electronics and Drives)	VNIT, Nagpur	2014
02	B.E. (Electrical Engineering)	SRKNEC, Nagpur	2009

Area of Interest:-

1. Multi-Phase drives.
2. Direct Torque control.
3. Grid connected inverters.
4. Control Systems.

Publications:-

International Journal

1. Y. N. Tatte, M. V. Aware, **J. K. Pandit** and R. Nemade, "Performance Improvement of Three-Level Five-Phase Inverter-Fed DTC-Controlled Five-Phase Induction Motor During Low-Speed Operation," in *IEEE Transactions on Industry Applications*, vol. 54, no. 3, pp. 2349-2357, May-June 2018.
doi: 10.1109/TIA.2018.2798593
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8270648&isnumber=8360983>
2. **J. K. Pandit**, M. V. Aware, R. Nemade and Y. Tatte, "Simplified Implementation of Synthetic Vectors for DTC of Asymmetric Six-Phase Induction Motor Drives," in *IEEE Transactions on Industry Applications*, vol. 54, no. 3, pp. 2306-2318, May-June 2018.

doi: 10.1109/TIA.2018.2789858

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8247218&isnumber=8360983>

3. R. V. Nemade, **J. K. Pandit** and M. V. Aware, "Reconfiguration of T-Type Inverter for Direct Torque Controlled Induction Motor Drives Under Open-Switch Faults," in *IEEE Transactions on Industry Applications*, vol. 53, no. 3, pp. 2936-2947, May-June 2017.
doi: 10.1109/TIA.2016.2628721
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7744592&isnumber=7931767>
4. **J. K. Pandit**, M. V. Aware, R. V. Nemade and E. Levi, "Direct Torque Control Scheme for a Six-Phase Induction Motor With Reduced Torque Ripple," in *IEEE Transactions on Power Electronics*, vol. 32, no. 9, pp. 7118-7129, Sept. 2017.
doi: 10.1109/TPEL.2016.2624149
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7728106&isnumber=7909058>
5. B. Sakthisudhursun, **J. K. Pandit** and M. V. Aware, "Simplified Three-Level Five-Phase SVPWM," in *IEEE Transactions on Power Electronics*, vol. 31, no. 3, pp. 2429-2436, March 2016.
doi: 10.1109/TPEL.2015.2439700
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7115972&isnumber=7330074>

International Conference

1. Y. N. Tatte, M. V. Aware, **J. Pandit** and R. Nemade, "Performance improvement of three-level five-phase inverter fed DTC controlled five-phase induction motor during low-speed operation," *2016 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)*, Trivandrum, 2016, pp. 1-6.
doi: 10.1109/PEDES.2016.7914399
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7914399&isnumber=7914213>
2. **J. K. Pandit**, M. V. Aware, R. Nemade and Y. Tatte, "Direct torque control of asymmetric six-phase induction motor with reduction in current harmonics," *2016 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)*, Trivandrum, 2016, pp. 1-6.
doi: 10.1109/PEDES.2016.7914398
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7914398&isnumber=7914213>
3. S. Sharma, M. Aware, Y. Tatte, **J. K. Pandit** and A. Bhowate, "A split three phase induction motor for battery charging application," *2016 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)*, Trivandrum, 2016, pp. 1-6.
doi: 10.1109/PEDES.2016.7914515
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7914515&isnumber=7914213>
4. B. Sakthisudhursun, **J. K. Pandit** and M. V. Aware, "Simplified center aligned SVPWM for multi-phase inverter using voltage dispersion," *2016 3rd International Conference on Electrical Energy*

Systems (ICEES), Chennai, 2016, pp. 18-22.

doi: 10.1109/ICEES.2016.7510588

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7510588&isnumber=7510583>

5. **J. K. Pandit**, B. Sakthisudhursun and M. V. Aware, "PR controller implementation using double update mode digital PWM for grid connected inverter," *2014 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)*, Mumbai, 2014, pp. 1-6.

doi: 10.1109/PEDES.2014.7042014

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7042014&isnumber=7041944>.