

**Name:**

Prof. Parikshit Gautam Jamdade

**Designation:**

Assistant Professor

**Contact Details:**

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**Educational Qualifications:**

- M.E. (Electrical Power Systems), Pune University, Pune, 2002.
- B.E. (Electrical), Pune University, Pune, 1999

**Experience:**

- Teaching: 19 Years

**Research Interests:**

- Wind Energy
- Solar Cell and Materials
- Nonlinear Motion of Particles in materials related to Brownian motion of particles, Scattering behavior of particles, and Bose-Einstein Condensate
- Data Analysis and Artificial Intelligence which includes Mathematical and Epidemic Modeling, Time Series Analysis, Kalman Filtering, Machine Learning, Markovian Processes, Failure and Reliability Analysis

**Number of Publications:**

International Journal: **07**

International Conference: **07**

**Number of Books / Book chapters Published: 05 + 02**

**Number of PG Students Guided: 04**

**Recognition/ Awards:**

- Certificate of Merit for getting higher marks in Sanskrit subject at S.S.C. from Zillah Parishad Pune, Maharashtra, India in S.S.C. examination.

- 4th (Fourth) Rank in Pune University, India in M.E. [Electrical] [Power System] examination

**Number of Conferences / Seminars organized: 14**

**Number of FDPs / STTPs attended: 33**

**Number of Workshops attended: 08**

**Number of Conferences / Seminars attended: 12**

**Number of Online Certification Courses done: 17**

**Number of Webinar attended: 26**

**Number of times served as a Reviewer / Judge: 12**

**Details of Research papers published:**

- P. G. Jamdade and U. M. Mate, "Comparative Study of I<sup>2</sup>R Losses of Primary Distribution Feeder with Different Conductors", pp. 42 - 45, Institute of Engineers India, Annual Journal, Pune, India, March 2004.
- S. G. Jamdade and P. G. Jamdade, "Extreme Value Distribution Model for Analysis of Wind Speed Data for Four Locations in Ireland", International Journal of Advanced Renewable Energy Research, Germany, Vol.1, Issue 5, pp. 254 - 259, June 2012.
- S. G. Jamdade and P. G. Jamdade, "Analysis of Wind Speed Data for Four Locations in Ireland based on Weibull Distribution's Linear Regression Model", International Journal of Renewable Energy Research, Iran, Vol.2, Issue 3, pp. 451 - 455, September 2012.
- P. G. Jamdade, S. V. Patil, V. B. Patil, "Assessment of Power Coefficient of an Offline Wind Turbine Generator System", International Journal of Engineering Research and Technology, India, Vol.2, Issue 9, pp. 2760 – 2767, September - 2013.
- P. G. Jamdade, S. V. Patil, S. G. Jamdade, "Assessment of Power Coefficient of an Offline Wind Turbine Generator System", Electronic Journal of Energy and Environment, Chile, Vol.1, Issue 3, pp. 9 – 15, December - 2013.

- P. G. Jamdade and S. G. Jamdade, "Evaluation of Wind Energy Potential for Four Sites in Ireland using Weibull Distribution Model", Journal of Power Technologies, Wroclaw University of Technology, Poland, Vol.95, Issue 1, pp. 48 - 53, May - 2015.
- P. G. Jamdade and S. G. Jamdade, "Modeling and Prediction of COVID-19 Spread in the Philippines by October 13, 2020, by using the VARMAX Time Series Method with Preventive Measures", Elsevier - Results in Physics, 20, 103694, 2021, doi: <https://doi.org/10.1016/j.rinp.2020.103694>.
- P. G. Jamdade and S. G. Jamdade, "Assessment of Wind Energy Potential for Site Selection Assistance in Ireland using Weibull Distribution Model", 4th International Conference on Advances in Energy Research (ICAER), IIT Bombay, Mumbai, India, pp. 70-75, ISBN: 978-81-928795-0-5, 10-12 December, 2013.
- P. G. Jamdade and S. G. Jamdade, "Wind Speed Analysis by using Logistic Distribution Model for four Locations in Ireland", 4th International Conference on Advances in Energy Research (ICAER), IIT Bombay, Mumbai, India, pp. 76-84, ISBN: 978-81-928795-0-5, 10-12 December, 2013.
- P. G. Jamdade, S. V. Patil and S. G. Jamdade, "Modelling and Analysis of Wind Energy Conversion System for Maximum Power Point Tracking", International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC), NIT Trichy, Trichirapalli, India, 27-29 September, 2014.
- P. G. Jamdade and M. A. Bagde, "Power Quality Improvement in Distribution System Using D-STATCOM", International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC), NIT Trichy, Trichirapalli, India, 27-29 September, 2014.
- P. G. Jamdade, S. V. Patil and S. G. Jamdade, "Performance Analysis of Shunt Active Filter under different loading and Distorted Voltage condition", MATLAB Expo 2016, Pune, India, 26 April, 2016.
- P. G. Jamdade, J. J. Sonawane, K. A. Padalkar, A. V. Chavan, R. Shivsharan and S. G. Jamdade, "Data Analysis and Physical Modeling for Short Term Wind Speed Forecasting at Four Locations in Ireland", MATLAB Expo 2017, Pune, India, 25 April, 2017.

- P. G. Jamdade, Durgesh Vibhandik and S. G. Jamdade, “Cost Viability of Renewable Power Project in Educational Institute in Pune: Case Study”, 5th International Conference on Business Analytics and Intelligence (BAI), IIM, Bangalore, India, 11 to 13 December, 2017.

#### **Details of books / book chapters published:**

- P. G. Jamdade and S. G. Jamdade, “Dynamical System Modeling and Simulation for Mechanical Torque Analysis developed by Wind Turbine Generator Excited with Different Wind Speed Profiles”, Systems Thinking Approach for Social Problems, Chapter 23, Lecturer Notes in Electrical Engineering, Springer, pp. 267 - 278, Jan 2015.
- P. G. Jamdade, P. A. Godse, P. P. Kulkarni, S. R. Deole, S. S. Kolekar and S. G. Jamdade, “Wind Speed Forecasting using New Adaptive Regressive Smoothing Models”, Chapter 9, Springer Proceedings in Energy, Vol. 2, pp. 93-101, 2020, ISBN 978-981-15-2662-6, [https://doi.org/10.1007/978-981-15-2662-6\\_9](https://doi.org/10.1007/978-981-15-2662-6_9)

#### **Details of FDPs / STTPs attended in last 5 years:**

- Short Term Training Program on Recent Trends in Renewable Energy Sources and Applications, 5-10 July, 2021 – Organized by Department of Mechanical Engineering, MCT's Rajiv Gandhi Institute of Technology, Mumbai, Maharashtra
- AICTE Training and Learning (ATAL) Academics Programme on Optimization Technique in Engineering Application, 18-22 January 2021 – Organized by Department of Mechanical Engineering, National Institute of Technology, Jamshedpur
- AICTE sponsored online STTP on Smart City - Recent Developments in Smart City (SMART-2020), 21-26, December 2020 – Organized by Sri Siddhartha Institute of Technology, Tumakuru, Karnataka
- AICTE sponsored STTP On Predictive Analytics using Artificial Intelligence (STTP-PAUI), 14-19, December 2020 – Organized by NRI Institute of Technology, Agiripalli, Krishna Dt., Andhra Pradesh
- Faculty Development Programme sponsored by Faculty Development Cell, AICTE on Quantum Computing and Machine Learning, 30 November - 5 December, 2020 – Organized by JNTUA College of Engineering (Autonomous), Pulivendula, Y.S.R. Kadapa (Dist), Andhra Pradesh

- Information Security Education & Awareness (ISEA)-II Phase, Ministry of Electronics and Information Technology, India, on-line Short Term Training Program on Cyber Security & Digital Forensics, 23-27 November, 2020 – Organized by Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh
- TEQIP Phase-III Sponsored 5 Day Online Short Term Training Program on Applications of Machine Learning and Deep Learning Techniques in Multidisciplinary Area, 16-20 November, 2020– Organized by National Institute of Technology Karnataka, Surathkal, Karnataka
- Short Term Training Program on Electric Vehicle Technologies, Challenges and Opportunities for Integration of Renewable Resources in India, 2-7 November, 2020 – Organized by R.M.K. Engineering College, Thiruvallur, Tamilnadu

**Major Portfolios Handled: (college level and department level)**

- Under-Graduate Admission
- Post-Graduate Admission