

FPM (INDUSTRY) 2016

Name: Amit Joshi



Area: Operations Management & Quantitative Techniques

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Educational Qualifications: Executive Program in Global Business Management, IIM Calcutta (2015)

M.Tech (Design Engineering) - IIT Bombay (2000)

Overall Experience: 17 years in the areas of Reliability Engineering, Tribology and Data Science

Present Employment: Engineering Manager, Center for Informatics, Eaton India Engineering Centre, Pune, India. Working with Eaton, Pune since 2009

Previous Employments: Spent 9.5 years with GE Global Research, Bangalore working in the areas of Reliability engineering for gas and wind turbines along with slewing ring bearings for Wind Turbines

Profile Summary: Certified GE Six Sigma Black Belt and ASQ Certified Reliability Engineer (CRE) with about 17 years of experience in an engineering research and development environment.

Key areas of specialization,

- Data analytics
- Using field failure data and models developed thereof to make crucial business decisions such as

Warranty Reserve Estimation, costing Contractual service agreements and production forecasting for Wind Turbines

- Design and analysis of bearings used in wind turbines (spherical roller main bearings and slewing ring bearings used in pitch and yaw systems)
- Reliability engineering for gas turbines, wind turbines and truck transmissions

Currently, managing a team of ten (10) focusing on developing informatics solutions for Eaton products.

Papers & Tutorials:

Publications

Running Torque of Slow Speed Two-Point and Four-Point Contact Bearings, Amit Joshi, Bhavesh Kachhia, Harsha Kikkari, Mandyam Sridhar & Daniel Nelias Lubricants 2015, 3(2), 181-196; doi:10.3390/lubricants3020181

Patents

- US Patent 7895016: “System and method for wind turbine health management” filed by Sameer Vittal, Subrat Nanda, Amit Joshi, Donna Green and Hesham Azzam.
- US Patent 7523001: “Method and apparatus for operating wind turbine generators” filed by Mahesh Morjaria, Rui Zhou, Amit Joshi, Abhinanda Sarkar and Vineel Gujjar