

**Name of Faculty: Dr. R. R. Jaware (Ph. D.)**

**Designation: Professor**

**Email:** rajeshjaware@ternaengg.ac.in

**Address for Correspondence:**

Mechanical Engineering Department, Terna Engineering College, Plot No. 12,  
Sector 22, Opposite Railway Station, Nerul (W), Navi Mumbai- 400706



**Professional Qualification:**

- **Ph. D in Mechanical Engineering, 2011.**
  - Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
- **Master of Technology 2000.**
  - VNIT, RTM Nagpur University, Maharashtra
- **Bachelor of Mechanical Engineering, 1993.**
  - PRMITR Amravati, SGB Amravati University Amravati, Maharashtra

**About Me:** <https://www.linkedin.com/in/prof-dr-rajesh-jaware-18917715/?originalSubdomain=in>

**Patents/ Products/ Consultancy:**

**Products Developed: No**

**Patents: Nil**

**Consultancy Projects: Nil**

**Reviewer: Nil**

**Major Subjects:**

- Operations Planning and Control, Industrial Engineering and Management, Logistics and Supply Chain Management, Total Quality Management, Operations Research

**Citation Analysis:**

05 citations (h-index 2 and i10-index 0) in Google Scholar

**List of Publication:**

1. Mahesh Kisan Borate, **Rajesh. R. Jaware**, Preetam D. Girap, “Industrial furnace combustion system by Robust Design for Efficiency up gradation & adaptability to different Loads”, published in *Udhyog Pragati Journal*, ISSN: 0970-3365, Vol. 42, No. 2, April - June 2021 pp. 18-25.
2. Bhavesh Thakur, **Rajesh Jaware**, “Analyzing solar structure table for one megawatt system and validating using Indian standards”, *International Research Journal of Engineering and Technology (IRJET)*, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 07 Issue:06, June 2020.
3. Mahesh Kisan Borate, **Rajesh. R. Jaware**, Arunkumar Shetty, “Design, Manufacture & Commissioning of 2 Ton Pit Type Furnace for Mill Scale Reduction Process”, *Journal of Engineering Research and Application*, ISSN: 2248-9622, Vol. 8, Issue 9 (Part -I) Sep 2018, pp 08-11.

4. Mahesh Kisan Borate, **Rajesh. R. Jaware**, Preetam D. Girap, “Design, Fabrication, Manufacture & Installation of Pyrolysis system for Waste Rubber pieces”, *Journal of Engineering Research and Application*, ISSN: 2248-9622 Vol. 8, Issue 10 (Part -V) Oct 2018, pp 49-57.
5. **Rajesh R. Jaware**, Dr. V. P. Wani, Dr. M. K. Pandey. “Analysis of Total Factor Productivity Change and Its Measurement in Indian MSE Clusters”, published in *Udhyog Pragati Journal*, ISSN: 0970-3365, *Vol. 35 (4)*, October-December-2011, pp.33-41.
6. **Rajesh R. Jaware**, Dr. V. P. Wani, Dr. M. K. Pandey. “Cluster Interventions: Competitiveness Reforms for Sustainable Development of MSEs in India”, *International Journal of Management Prudence*, ISSN 0975-8496, *3(1)*, April-2011, pp. 143 -149.
7. **Rajesh Jaware**, Dr. V. P. Wani., “Six Sigma: A Value Based Quality Management Tool for Achieving and Sustaining Operational Excellence in Indian MSMEs”, for *Dr. Moonje Management Institute, Journal of Management and Computer Studies*, (ISSN 2250-365X) Nashik, in October-2012.
8. **Rajesh R. Jaware**, Dr. V. P. Wani, Dr. M. K. Pandey. “Industrial Clusters as Drivers of Productivity Improvement and Economic Development”, *Industrial Engineering Journal*, Mumbai (ISSN: 0970-2555), *2(14)*, August- 2010, pp. 29-34.
9. **Rajesh R. Jaware**, Dr. V. P. Wani, Dr. M. K. Pandey. “Technology Business Incubation: A Mechanism for Sustainable MSE Development”, *Industrial Engineering Journal*, Mumbai (ISSN: 0970-2555), *2 (8)*, February- 2010, pp. 07-12.

### **Journal Publications:09**

### **Conferences and Workshops Publications:**

1. Rahul Sheley and **Rajesh Jaware**, ‘Strength Performance of Three Wheeler Big Drive Shaft by using CAD and CAE Tools’, at International Conference on Industrial Engineering, SVNIT Surat in December-2019.
2. Akshaya Bansode and **Rajesh Jaware**, “Application of Computer Aided Design (CAD) Technology in Modeling Block-to-Spring Fixture”, at EQUINOX Conference Terna Engineering College, Navi Mumbai in September-2018.
3. Shree Deo, **Rajesh Jaware**, “Application of Taguchi Method to Optimize Drilling Parameters”, IOSR Journal of Engineering (IOSRJEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719 at International Conference on Engineering Confluence 26th - 28th September-2018.
4. Akshaya Bansode and **Rajesh Jaware**, “Computer Aided Modeling and Analysis of Assembly Fixture Component”, at NCIETM Conference NITIE Mumbai in November-2018.
5. Shree Deo and **Rajesh Jaware**. ‘Determination of the Minimum Surface Roughness during Drilling Process on AISI 321 Stainless Steel using Taguchi Method’ at NCIETM Conference NITIE Mumbai in November-2018.

6. Mahesh Borate and **Rajesh Jaware**, “Design of Industrial Furnace by using Robust Design Principle to Increase its Efficiency” at NCIETM Conference NITIE Mumbai in November-2018.
7. **Rajesh Jaware**, Dr. V. P. Wani. & Dr. M. K. Pandey, “Developing Competitiveness in Micro & Small Enterprises through Cluster Interventions: An Indian Experience”, at IMT Nagpur held in September-2010.
8. **Rajesh Jaware**, Dr. V. P. Wani.& Dr. M. K. Pandey, “Technical Entrepreneurship in Technology Based Small Firms in India: Observations and Implications”, at Sam Houston State University ‘General Business Conference’ at *Huntsville, Texas, USA* in April-2010.
9. **Rajesh Jaware**, Dr. V. P. Wani.& Dr. M. K. Pandey, “Analysis of Technology based Productivity of MSME Clusters”, at SOM International Conference & Doctoral Consortium on ‘*Sustaining Operations Excellence*’, *IIT Chennai* in December-2009.
10. **Rajesh Jaware**, Dr. V. P. Wani & Dr. M. K. Pandey, “Technology Interventions in MSME Clusters to Improve the Productivity” at GLOGIFT-09, *Ninth GLOGIFT Conference on ‘Flexible Systems Management’ at NITIE Mumbai* in November-2009.
11. **Rajesh Jaware**, Dr. V. P. Wani .& Dr. M. K. Pandey, “Technology Business Incubation approach for Technology Management and Sustainable Growth of MSME Clusters in India” at *8<sup>th</sup> Biennial Conference on ‘Contemporary Issues in entrepreneurship’ at EDI, Ahmadabad*, in March-2009.
12. **Rajesh Jaware**, Dr. V. P. Wani & Dr. M. K. Pandey, “Cluster Based Approach in Technology Business Incubators for Productivity Improvement of Small Scale Industries” at SOM International Conference & Doctoral Consortium on ‘*Innovation and Manufacturing Excellence: Path to Global India*’, *IIT Kanpur* in December-2008.
13. **Rajesh Jaware**, Dr. V. P. Wani & Dr. M. K. Pandey,” Fostering Entrepreneurship through Technical Education for Sustainable Growth of Small and Medium Enterprises in India, at *IEEE International Conference on Industrial Engineering and Engineering Management IEEM-2008 at Singapore* in December-2008.
14. **Rajesh Jaware**, Dr. V. P. Wani & Dr. M. K. Pandey, “Business Incubation: an Economic Development Tool for Rural India”, at *5th ISME International Conference on Advances in Mechanical Engg at RGTU, Bhopal* in March-2008.
15. **Rajesh Jaware**, Dr. V. P. Wani & Dr. M. K. Pandey, “Role of logistics and supply chain in development of SMEs clusters in India and China” at *International Research Meet on ‘Entrepreneurship in India and China’ at TAPMI, Manipal*, in December-2007.
16. **Rajesh Jaware**, Chhaitanya Bhangale, “Developing a World Class Model for Small and Medium Sized Companies in a Global Environment”, at *RTME National Conference, MET’s Institute of Engineering, Nashik*, in March-2013.

17. **Rajesh Jaware**, Dr. V. P. Wani., “Six Sigma: A Value Based Quality Management Tool for Achieving and Sustaining Operational Excellence in Indian MSMEs”, at *National Seminar on ‘Value Based Advancements in Management and Information Technology at Dr. Moonje Management Institute, Bhonsala Military College, Nashik*, in January-2012.
18. **Rajesh Jaware**, Dr. V. P. Wani.& Dr. M. K. Pandey, “World Class Manufacturing Practices for SMEs to Compete in Global Environment”, at *National Conference on ‘Recent Trends in Mechanical Engineering’ at MET’s Institute of Engineering, Bhujbal Knowledge City, Nashik*, in March-2010.
19. **Rajesh Jaware**, Dr. V. P. Wani. & Dr. M. K. Pandey, “Technology Business Incubation for Promoting Entrepreneurial Culture in Indian MSME: A Case study”, at *National Conference on ‘Advance Manufacturing Techniques’ at SMVDU Katra*, in November-2009.
20. **Rajesh Jaware**, Dr. V. P. Wani.& Dr. M. K. Pandey, “Supply Chain Management in SME Clusters to enhance productivity and sustainable growth of MSMEs: A conceptual framework” at *National Conference organized by IMT Nagpur* in February-2008.
21. **Rajesh Jaware**, Dr. V. P. Wani.& Dr. M. K. Pandey, “Innovative Strategies for Effective Higher Engineering Education for Future” at *National Seminar on ‘Curriculum Innovations in Technical and Vocational Education’ at NITTTR, Chandigarh* in February-2007.

#### **Research and Scholarly Contributions:**

- **Ph.D. Research: Thesis: Cluster Based approach in Technology Business Incubator for Productivity Improvement of MSMEs.** (The research was focused on study of Industrial Clusters and its role and significance in the developing economies like India)
- **M. E. Research: Thesis: Total Quality Control in Hot Coiled Helical Spring Manufacturing Firm at Coventry Springs, Nagpur.**

#### **Funding Received: NIL**

#### **Software Tools: MS Office**

#### **Professional Association:**

- Member (2001), Institute of Engineers (India), Kolkata.
- Member (2008), I S T E, New Delhi.
- Member (2009), Society of Operations Management, Bangalore.
- Member (2012), Toast Masters International, California, USA.
- Corporate Member (2009) and Vice Chairman Mumbai Chapter, Indian Institute of Industrial Engineering, Navi Mumbai.

#### **Experience: 28 years**

Industrial: 04 years  
Academics: 24 years

### **Responsibilities Handled:**

- Professor In-charge (Innovation & Entrepreneurship) Terna Engineering College
- Head, Mechanical Engineering Department at DMCE (2015-2018)
- Member of Academic Council at Sinhgad Institutes, Pune
- Certified Internal Quality Auditor for ISO 9000: 2008.
- Paper setter / Evaluator / Moderator / External examiner in Mechanical Engg. In Mumbai University.
- Chief Conductor of Examinations.

### **Talks/Guest Lectures Delivered:**

- Guest faculty at Ordnance Factory Ambarnath for their training/MDP on the topics of Industrial Engineering and Operations Management.
- Delivered talks on ‘Technology Business Incubation and Role of MSMEs’ at Indian Institution of Industrial Engineering in February-2020.
- Delivered talks on ‘Orientation Program of Industrial Engineering and Management’ at TEC Nerul in January-2020.
- Delivered talks on ‘Reconfigurational Manufacturing System’ at SSJCoE, Dombivali in February-2018.
- Delivered talks at EDP on ‘SC/ST Women’ at **HPCL Refinery, Chembur Mumbai**, in March-2017.
- Delivered talks on Lean Manufacturing Practices at RGIT, Mumbai in July-2015.
- Delivered talks on Supply Chain Management at Sinhgad College, Pune in June-2015
- Delivered talks at STC on ‘**Emerging Trends in Project Management**’ at **VJTI Mumbai**, in October-2013.
- Delivered talks on ‘**Six Sigma: A Business Excellence Practice**’ at Reliable Business Excellence System, Nashik in June-2013.
- Delivered talks on ‘**Six Sigma: A Business Excellence Practice**’ for MBA students at **Vidya Pratishthan’s Institute of Information Technology**, Baramati in March-2013.
- Delivered talks on ‘**Entrepreneurship Awareness**’ for Polytechnic students at **District Industries Centre (DIC) Ratnagiri** in February-2006.
- Delivered talks on ‘**Total Quality Management and ISO-9000 for Educational Institutions**’ at FAMT, Ratnagiri in February-2005.
- Delivered talks on ‘**Quality Circles and its relevance to Educational System**’ at FAMT, Ratnagiri in June-2001.

**SESSION CHAIR/JUDGE: 05**

Declaration

I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Faculty Name: Prof. (Dr.) R. R. Jaware

Place: Navi Mumbai