

Priyanka A. Narwade

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EDUCATION

College of Engineering Pune

Master of Technology in Manufacturing engineering & Automation (CGPA – 7.84)

Pune

2013-2015

Shri Guru Gobindji IE & T, Nanded

Bachelor of Technology in Manufacturing engineering & Automation (CGPA – 7.04)

Nanded

2008-2012

RESEARCH WORK

Post Graduate thesis at College of Engineering Pune:

- Under the guidance of Dr. B. B. Ahuja, College of Engineering Pune, ‘**Design and analysis of 2D vibration assisted gasbag polishing**’, 2014-2015.
- This study explores the impact of vibration-assisted gasbag polishing parameters—vibration frequency (10-20 Hz), gasbag pressure (0.5-1.5 bar), silicon carbide weight (10-30 grams), and iron weight (15-25 grams)—on surface finish and machining depth. Experiments were conducted on 45×45 mm die steel workpieces, 5 mm thick, using silicon carbide (15µm) and iron powder as abrasives. Taguchi orthogonal array L27 method streamlined experimentation, while statistical analysis established parameter-response relationships. Grey relation analysis optimized parameters for enhanced surface finish this project, designing the 2D vibration assisted fixture for holding the work piece and studying the effect of different parameter such as vibration of work piece, pressure in gasbag and combination of MAPs on surface roughness.

Under Graduate thesis at SGGS IE & T, Nanded:

- Under the guidance of Dr. S. B. Sharma, Shri Guru Gobind Singhji IE and T, Nanded, ‘**Synthesis of Electro Discharge Coating & its effect on substrate**’, 2011-2012
- In this completed project, the focus was on applying copper tungsten coating onto substrates of HSS (High-Speed Steel), CI (Cast Iron), and Al (Aluminum) using reverse polarity EDM (Electrical Discharge Machining). Subsequently, the coated workpieces underwent a heat treatment process in a furnace to enhance their hardness properties. The results showed a significant increase in hardness, with HSS experiencing a 31% improvement and CI achieving a 15% increase in hardness levels.

LIST OF PUBLICATION

1. Priyanka A. Narwade, Dhanajay Pise, Renu Shastri, “Study of process parameter affecting 2D vibration assisted gasbag polishing” in International Journal of Research Publications in Engineering and Technology, ISSN:2454-7875, Vol. 3 ,Issue 11,Nov.-2017.
2. Priyanka A. Narwade, Harshad Sonar, “Empirical analysis of Total Factor Productivity growth of Indian Steel Industry” in Journal of Applied Science and Computation, ISSN: 1076-5131, Vol. VI., issue II, Feb- 2019.

INDUSTRIAL TRAINING

Essem Shrinisons Systems Pvt. Ltd

2011

During my one-month stint at Essem Shrinisons Systems Pvt. Ltd, I immersed myself in the wire harness industry, particularly focusing on wiring harness production for automotive applications, such as commercial vehicles, two-wheelers, and three-wheelers. I learned about the specific production technologies for two and three-wheelers. Additionally, I collaborated closely with the Product team to address customer pain points and deliver optimal solutions, thereby enhancing overall product quality and customer satisfaction.

WORK EXPERIENCE

Teaching Experience:

- Appointed as Assistant Professor on Ad-hoc basis at VJTI, Mumbai, August 2023 – Present.
- Appointed as Assistant Professor on Regular basis at I2IT, Pune, August 2016 – August 2019
- Appointed as Lecture on Ad-hoc basis at SGGS IE & T, Nanded, June 2015 – July 2016.

Courses Taught:

- Engineering Graphics
- Basic Mechanical Engineering
- Metrology
- Machining and Process Engineering
- Project Management
- Supply Chain management

SKILLS & CERTIFICATION

- Auto CAD, Pro-e, SolidWorks
- Python for data science
- Power BI

INTERESTS

Traveling, Cooking, Drawing, Watching movies etc.