

Dr. Pravin R. Kubade

1. Personal Information

- **Name:** Dr. Pravin R. Kubade
- **Position:** Associate Professor and Head
- **Department:** Department of Production Engineering.
- **Contact Information:** email id: prkubade@sngs.ac.in, head.prod@sngs.ac.in, Mobile No.: +91 9860072040.

2. Educational Background

- **Degrees:** DPT, B.E. Production Engg., M.E. Mechanical-Production Engg. (from GCE, Karad), Ph.D. Mechanical Engg. (from Vellore Institute of Technology, Vellore)
- **Postdoctoral Experience:** University of Malaysia (March 2020).
- **Certifications:** Diploma in Production Technology.

3. Research Interests

- **Areas of Expertise:** Polymer Nanocomposites, Surface coating/modification of nanomaterials and Non-conventional Machining.
- **Ongoing Projects:**
 1. Development of Polyamide Based Blend and Their Nanocomposites for Automotive Applications.
 2. Influence of Hybrid Fillers on Morphological, Mechanical and Thermal Properties of Polypropylene (PP) Based Binary Blend and their Nanocomposites as Alternative for Polyvinyl Chloride (PVC) Pipe.
 3. Rolling of Polypropylene (PP) Nanocomposites for Automotive Applications.
- **Interdisciplinary Work:** Collaboration with VIT AP for above-mentioned research work.

4. Teaching Experience: 19 Years

- **Courses Taught: Undergraduate level:** Basic Mechanical Engineering, Metal Cutting Theory, Design of Jigs, Fixtures and Dies, Machine Drawing, Elements of Mechanical and Production Engineering, Foundry Technology, Advanced Manufacturing Processes, Machine Tools and Processes, Characterization of Materials, Engineering Graphics, Mechatronic Systems, Industrial Robotics.

Postgraduate level: Characterization Techniques, Micro and nano Fabrication Techniques, CAD/CAM, Smart Materials, Nanocomposites, Advanced Casting Technology, Advanced Materials and Manufacturing Processes etc.

- **Course Development:** MD, MCT, DJF&D, IWM&R, CIMS, MTDC etc.

5. Publications and Presentations:

Google scholar link:

<https://scholar.google.com/citations?user=HcBWY4EAAA&hl=en>

- **Book Chapters:** 04.
- **Journal Articles:** 50
- **Conference Papers:** 40.
- **Editorial Work:** Reviewer of more than 10 Scopus Indexed /SCI journals.

6. Awards and Honors

- **Grants:** 1. DST FIST 2013; 2. RIS 2017 of SUK.
- **Awards:** ISTE, New Delhi- Best Innovative Research work award 2021.
- **Fellowships:** Post Doctoral Fellow of University of Malaysia 2020.

7. Professional Experience

- **Administrative Roles:** Associate Dean R & D KITCOEK (2017-2023)
- **Industry Collaboration:** Carried out more than 10 Industry sponsored research projects (UG and PG Level).
- **Consulting Work:** Completed 2 Consultancy projects.

8. Supervision and Mentoring

- **Master's Supervision:**

List of students supervised (ME/ MTech. Mechanical- Production Engg.):

1. Mr. Deepak Kashid (Reg. year: 2013), Title of Dissertation: "Investigations of Effect of Process Parameters on Material Removal Rate in Wire-cut Electrical Discharge Machining of Steel Grade EN 9".
2. Mr. Shankar Mane (Reg. year: 2013), Title of Dissertation: "Optimization of Processing Parameters in Electrochemical Machining of AISI 304 using Taguchi Design Technique".

3. Mr. Sudhakar Ramchandra Lohar (Reg. year: 2014), Title of Dissertation: “Investigation of Effect of Abrasive Water Jet Machining (AWJM) on Performance Characteristics of High Carbon High-Chromium Stainless Steel (AISI D3)”.
4. Mr. Amitkumar D. Shinde (Reg. year: 2014), Title of Dissertation: “Investigation of Effect of Laser Beam Machining (LBM) Process Parameters on Performance Characteristics of Stainless Steel (SS 304)”.
5. Mr. Amol Nandkumar Patil (Reg. year: 2014), Title of Dissertation: “Structure Properties Relationship Studies of Vinyl Ester Hybrid Syntactic Foam”.
6. Mr. Vinayak Chandrakant Gavali (Reg. year: 2014), Title of Dissertation: “Mechanical and Thermo-mechanical Properties of Carbon fiber Reinforced Thermoplastic Composite Fabricated Using Fused Deposition Modeling (FDM) method”.
7. Mr. Rajtilak Jalandar Patil (Reg. year: 2015), Title of Dissertation: “Optimization of Machine Shop Layout based on Simulation Software”.

- **PhD Supervision:**

List of students supervised (PhD. Mechanical- Production Engg.):

1. Mr. Vishwajeet Shinge (Reg. year: 2020), Title of Thesis: “Investigation of Nanofluids for milling of AISI D3 Tool Steel”.
2. Mr. Suyog Bapuso Raijadhav (Reg. year: 2021), Title of Thesis: “Development of Polyamide Based Blend and Their Nanocomposites for Automotive Applications”.
3. Mr. Utkarsh Annasaheb Patil (Reg. year: 2021), Title of Thesis: “Influence of Hybrid Fillers on Morphological, Mechanical and Thermal Properties of Polypropylene (PP) Based Binary Blend and their Nanocomposites as Alternative for Polyvinyl Chloride (PVC) Pipe”.
4. Mr. Satishkumar Baburao Bongarde (Reg. year: 2021), Title of Thesis: “Performance improvement of photovoltaic and concentrated photovoltaic module using nanofluids as spectral beam filter”.
5. Mr. Aamir Mustafa Shaikh (Reg. year: 2021), Title of Thesis: “Rolling of Polypropylene (PP) Nanocomposites for Automotive Applications”.

9. Professional Memberships

- **Associations:** ISTE Life member, NITTSD Life member.

10. Miscellaneous

- **Languages:** English, Marathi & Hindi.
- **Skills:** Auto CAD, Characterization using SEM/TEM/XRD/FTIR/DSC/TGA etc.
- **Personal Interests:** Research.