


**SRES', Sanjivani College of Engineering, Kopergaon**  
(An Autonomous Institute affiliated to SPPU, Pune)

## Staff Profile

| Personal Information   |   |                                  |   |
|--|---|----------------------------------|---|
| <b>Name of Teaching Staff: (Mr) Prasad Annasaheb Bojage</b>  |   |                                  |  |
| <b>Designation: Assistant Professor</b>  |   |                                  |   |
| <b>Department: Mechanical Engineering</b>  |   |                                  |   |
| <b>Date of joining: 03<sup>rd</sup> June 2015</b>  |   |                                  |   |
| <b>E Mail ID :</b>   | <a href="mailto:bojageprasadmech@sanjivani.org.in" style="color: blue; text-decoration: underline;">bojageprasadmech@sanjivani.org.in</a> |                                  |   |
| <b>Contact No:</b>   | <b>(+91) 9970065292</b>   |                                  |   |
| Education Details  |   |                                  |   |
| Qualification  | Specialization with Class or Grade  | University                       | Year  |
| UG   | Mechanical Engineering  | Pune University                  | 2008  |
| PG   | Heat Power Enginnering  | Savitribai Phule Pune University | 2013  |
| Ph.D.  | Mechanical Engineering  | Savitribai Phule Pune University | Pursuing  |
| Total experience in years:   |   |                                  |   |
| <b>Teaching:</b>   | <b>12 years</b>   |                                  |   |
| <b>Industry:</b>   | <b>4 Years</b>  |                                  |   |
| Research and Publications  |   |                                  |   |
| <b><u>Title of Paper:</u></b>  |   |                                  |   |
| <b>Year 2017</b><br>Gawali, S., Suryawanshi, V. and Bojage, P., Crack Analysis of Fixed Support Fibre Glass Composite Beam Based on Natural Frequencies,(2017). <i>International Review of Mechanical Engineering (IREME)</i> , 11(7), pp.505-512.   |   |                                  |   |
| <b>Year 2022</b><br>1) Suryawanshi, Vaibhav, Prasad Bojage, Shailesh Palekar, Atul Joshi, and Prasad Patore. "Based on natural frequencies, crack analysis of fixed support fibre glass composite beam." In <i>Aerospace and Associated Technology</i> , pp. 175-180. Routledge, 2022.<br><br>2) Lal, A., 2022. Probabilistic mixed mode stress intensity factors of single edge cracked laminated composite plates using stochastic extended finite element method. In <i>Aerospace and Associated Technology</i> (pp. 25-30). Routledge. |   |                                  |   |

| <b>Research Profile URL</b>      |   |
|----------------------------------|---|
| <b>Google Scholar</b>            | <a href="https://scholar.google.com/citations?user=bPHmCGoAAAAJ&amp;hl=en&amp;authuser=5">https://scholar.google.com/citations?user=bPHmCGoAAAAJ&amp;hl=en&amp;authuser=5</a> |
| <b>Scopus</b>                    | <a href="https://tinyurl.com/3u76y57k">https://tinyurl.com/3u76y57k</a>   |
| <b>Other Research Details</b>    |   |
| <b>Professional Memberships:</b> | Member of Institute of Engineers India  |

| <b>FACULTY DEVELOPMENT PROGRAMMES ATTENDED</b>            |   |                 |                              |
|---|---|-----------------|------------------------------|
| <b>Name of the FDP / Workshop</b>                         | <b>Organization</b>                               | <b>Duration</b> | <b>Month-Year</b>            |
| Research and Publication Ethics course by Pune University | Savitribai Phule Pune University                  | 1 Month         | 10/12/2024 to 10/01/2025     |
| Certified Six Sigma Green Belt                            | MSME Agra, Government of India                    | 60 Hours        | 10 June 2021 to 10 July 2021 |
| Values in Technical Education                             | Sanjivani College of Engineering, Kopergaon       | 6 Days          | 10 June 2021 to 15 June 2021 |
| Fundamentals and Applications of CFD                      | Department of Mechanical Engineering, SVNIT Surat | 6 Days          | 17 Sep 2021 to 22 Sep 2021   |
| Fundamental of Energy Management and Applications         | Department of Mechanical Engineering, SVNIT Surat | 5 Days          | 19 Nov 2019 to 23 Nov 2019   |
|   |   |                 |                              |

| <b>FACULTY DEVELOPMENT OF PROGRAMMES ORGANIZED</b> |                     |                 |                   |                 |
|--|---------------------|-----------------|-------------------|-----------------|
| <b>Name of the FDP / Workshop</b>                  | <b>Organization</b> | <b>Duration</b> | <b>Month-Year</b> | <b>Capacity</b> |
| Research Areas in Mechanical Engineering           | AICTE               | 7 days          | October 2021      | 54 participant  |

|                          |   |
|--------------------------|---|
| <b>Personal Website</b>  | -   |
| <b>Linked In Profile</b> | <a href="http://www.linkedin.com/in/prasad-bojage-19b1bb2b">www.linkedin.com/in/prasad-bojage-19b1bb2b</a>                                    |
| <b>GitHub URL</b>        | -   |
| <b>YouTube Channel</b>   | <a href="https://www.youtube.com/channel/UCUn2o58aamrBPu3azNoqLAA/videos">https://www.youtube.com/channel/UCUn2o58aamrBPu3azNoqLAA/videos</a> |

### NPTEL Courses Completed –

| Sr No | Discipline | Year | Course Title                                     | Duration (Weeks) |
|-------|------------|------|--|------------------|
| 1     | ME         | 2025 | Engine system and performance                    | 12               |
| 2     | MG         | 2024 | Innovation, Business Models and Entrepreneurship | 12               |
| 3     | GE         | 2024 | Non-conventional energy Resources                | 12               |
| 4     | GE         | 2024 | Effective Engineering Teaching In Practice       | 12               |
| 5     | DE         | 2023 | Fundamentals of Automotive Systems               | 12               |
| 6     | ME         | 2021 | Engineering Metrology                            | 08               |
| 7     | MG         | 2019 | Toyota Production System                         | 12               |
| 8     | GE         | 2018 | Non-Conventional Energy Resources                | 08               |
| 9     | MM         | 2017 | Laws of thermodynamics                           | 12               |
| 10    | MG         | 2017 | Six Sigma  | 12               |

### Patents-

| Sr. No. | Title of Patent               | Registration and Date    | Published Date | Granted Date |
|---------|-------------------------------|--------------------------|----------------|--------------|
| 1       | Three-seater cargo bicycle    | 39335-001<br>29/09/2023  | 02/05/2024     | 02/05/2024   |
| 2       | Grilled Trolley cargo bicycle | 396338-001<br>29/09/2023 | 15/02/2024     | 15/02/2024   |
| 3       | Tricycle Rickshaw             | 396355-001<br>29/09/2023 | 15/11/2023     | 15/11/2023   |

### ACADEMIC PROJECTS: -

- **PG Project ( Sponsored by Automotive Research Association of India (ARAI))**
- **Project Title: - Control Strategies for Dual Fuel (CNG/Diesel) Engine.**
- **Project Details: - Conversion of current diesel engine into a dual fuel (CNG/Diesel) engine for automotive application.**
- **International Paper Published: - “A Review on Alcohol/Diesel Blends on Engine Performance”. (ISBN:978-81-926080-0-6/22-24 Feb 2013)**
- **UG – Project on Design and Manufacture of Automatic Centrifugal Clutch.**

## TEACHING EXPERIENCE

|   |   |                |
|---|---|----------------|
| <b>Name of Institute</b>                          | 1. Sanjivani College of Engineering, Kopergaon, Dist :- Ahmednagar, 423601      June 2015 - Present<br>2. TSSM's Bhivarabai Sawant College of Engineering & Research, Narhe, Pune - 41      Dec 2013 - May 2015 |                |
| <b>Designation</b>                                | Assistant Professor   |                |
| <b>Department</b>                                 | Mechanical Engineering  |                |
| <b>Qualification</b>                              | M.E (Mech) Heat Power Engineering   |                |
| <b>Total Experience in Years</b>                  | Teaching:- 04   | Industry :- 05 |
| <b>Papers Presented in Conferences</b>            | International :- 01<br>Conference paper :- 02   |                |
| <b>Responsibilities</b>                           | Mechatronics Subject Coordinator at Faculty Development Program of JSPM Institutes (7 Colleges)   |                |
| <b>Field of Interest</b>                          | I.C Engines, Fluid Mechanics, Metrology and Quality Control, Mechatronics , Alternative Fuels   |                |
| <b>Professional Membership</b>                    | LMISTE  |                |
| <b>Workshop Attended</b>                          | 08  |                |
| <b>Interaction with Professional Institutions</b> | 1. ARAI, Kothrud, Pune.<br>2. Dimension Mechanix Pvt Ltd, Dhayari, Pune.<br>3. Tangent Technology, Dhankawadi, Pune.  |                |

## INDUSTRIAL EXPERIENCE

**Precomp Tools Pvt. Ltd. Pune      Engineer – Quality & Inspection      Dec 2011 – Nov 2013**

- Prepare reports for Monthly Management Review (MMR) meeting – Monthly Defect data, Analysis report, Scrap data, customer issues and complaints.
- Team Leader for Quality and Inspection of jobs according to IS/BS standards.
- Maintain Quality documents of Raw material and calibration reports of measuring Instruments.
- Perform Corrective Action- Preventive Action (CAPA) tracking for different products lines.
- Handling customer complaints and finding root cause for the same using Quality Tools.
- Maintain record for internal NC's, its review and closure.
- Hands on experience of measuring quality parameters of thread rolls and serration Rolls, cutters and hobs by using CV-2000 contracer.
- Making root cards and Quality Plans for master cutting tools.
- Instruments Handled :- Pitch Micrometer, Flange Micrometer, Bore Gauge, profile projector, dial gauge, snap gauge, vernier height gauge etc.

**Vacuum Plant & Instrument Mfg Pvt Ltd, Pune      Engineer - QA      June 2009 – Dec 2011**

**Leader in the manufacturing- transformer oil filtration plants, vacuum autoclaves**

- Prepare Manufacturing Quality Plan (MQP).
- Inspection of fabricated & painted components at supplier end.

- Make WPS and PQR Quality reports as per ASME Section IX & IS 2825.
- Use of IS Standards (IS 2062, IS 1239 I & II, IS 803) for production process.
- Maintain & Check reports for unfired pressure vessels and Third Party Inspection (TPI).
- Responsible to make Test and Calibration Reports.
- Arrange meetings with customer for Quality Audits as an Auditee.
- Maintain and monitoring of process compliance to Quality Standards and customer Requirements.
- Hands-on Experience to handle instruments like McLeod Gauge, Vernier Calliper and Micrometer etc.

**Tyco Electronics (I) Pvt Ltd. Pune      Graduate Engineer Trainee      June 2008 – June 2009**

- Prepare Monthly Production Plan and execute it to meet monthly production targets.
- A team leader of 120 employees, responsible to achieve production targets.
- Find the Root Cause for internal NC's and take necessary Preventive Action for the same along with team members.
- To conduct in-house audits and supplier audits as per (ISO9001).

## SKILL SETS

- Formpak CV- 2000 Mitutoyo Contracer Operating system.
- CAD - Auto CAD 2010
- Microsoft Tools - Word, Excel, Power Point
- Workshop :- “Managing Performance Effectiveness”

**Any Other:**

**Department Responsibilities:** Training & Placement Representative.

I established good relations with industry to benefit institute and students in terms of internships and job offers. Represented Institute on various forum and worked for student committees.

**Subjects Taught-** Numerical Methods, Industrial Automation, Product Design and Development  
Hydraulics & Pneumatics, Manufacturing Process, Environmental studies,

**Value Added course conduction:** MATLAB programming and simulation ,Lecture on Introduction to Intellectual Property Rights Encouraged students for projects based in nearby Industry.