

Name: Prof. D. D. Bhoge

Designation: Assistant Professor

Qualification: ME- Heat Power Engg

Age: 34

Experience: 10 Year (9 year Teaching and 1 year Industry)

E-mail: dipakbhoge@orchidengg.ac.in



Areas of Interest:

- Thermal Engineering
- Heat and Mass Transfer
- Fluid Mechanics
- Refrigeration

Awards & Recognition:

1. Received **Certificate of Excellence** from **IIT Khargpur** for contribution as Teaching Assistant in successful completion of 2 Week ISTE workshop on Fluid Mechanics
2. Received **Certificate of Appreciation** from **SAEINDIA in 9th AWIM National Olympic** in recognition of valuable contribution in AWIM activity in TIER-2 city
3. Received **ELITE Certification** from **IIT Khargpur** being **Topper (Top 5%)** in NPTEL online course “**Laws of Thermodynamics**”

Initiatives:

1. In association with Thermax Ltd Pune arranged Course on “ Thermal Power Plant Engineering” and Placed 3 students at Thermax Pune
2. Developed engine lab to get practical exposure to FE and SE student in which student can do assembly and dissemble the engine
3. Arranged more than 4 seminars and 3 one day workshops in association with SAEINDIA Western section at NK Orchid college of Engg and Tech Solapur
4. Formed N. K. Orchid college of Engg. And Tech Solapur SAEINDIA Collegiate Club in 2018 and 2019
5. Arranged “Auto Quotient Season 10” of Mahindra and Mahindra

Achievements:

1. Secured **All India Rank - 229** in **GATE-2016**
2. **Qualified** in **GATE 2014** in Mechanical Engineering Branch
3. Class Topper in **ME-HPE**
4. Worked as Faculty advisor for Go-Kart event in 2017 at Zeal Drag Pune
5. Faculty Adviser for Baja 2013-14
6. Motivator for Competitive exam and guided more than 1800 student and about **100+ Qualified** in various competitive exam (GATE, MPSC, Banking and Railway)
7. Expert session on Thermodynamics conducted at various institutes
8. Trained more than 1200 school students for AWIM activity

Key Position at SAEINDIA:

1. AWIM City Lead from 2015
2. Conveyor of AWIM Solapur City Olympic
3. Trainer for AWIM-MTTP workshop from 2016
4. Faculty advisor for SAEINDIA Collegiate Club from 2018

Publications:

1. International Conference: **01**
2. International Journal : **07**

Conferences / STTP / Workshops attended: 15**Subject Taught:**

1. Applied Thermodynamics
2. Fluid Mechanics
3. Heat and Mass transfer
4. Refrigeration and Air Conditioning
5. Automobile Engineering
6. Strength of Material

Project Guided:

For UG: 07

1. Effect of Flash Gas Bypass on COP of refrigeration system
2. Analysis Of Exhaust Gas Of Diesel Engine Using Blends Of Biodiesel And Pure Oxygen
3. Thermo electric water cooler and heater
4. Performance improvement of Thermo electric water cooler and heater
5. Finger sensed ignition system for two wheelers
6. Design and Development of Automatic shopping trolley
7. Design and development of portable refrigerator

For PG: 04

1. Performance evaluation of Vortex Tube using air and exhaust gas as medium
2. Performance evaluation and emission analysis of Compression Ignition engine using air blends of pure oxygen and biodiesel
3. Performance enhancement of air conditioner using earth air tunnel heat exchanger
4. Remaining life assessment of radiant super heater in creep regime (**Sponsored project by IRC Engineering Services India Pvt. Ltd, Delhi**)

Professional Memberships:

1. ISTE (**LM-82162**)
2. SAEINDIA (**No.: 7170511777**)