

GARGI HARSHAD BARGALE

M.E. Heat Power Engineering

CEO

*Encon Education and Research
Foundation*



Contact



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16/70, Bargale's Cotton, Rajaram
Road, Ichalkaranji, Dist.
Kolhapur, Maharashtra
Pin Code: 416115

Tools

Operating Systems:

- Windows XP
- windows 7, 8, 10

Languages:

- C, C++

Application s/w:

- Auto-Cad
- Catia
- SolidWorks
- CFD

Industrial Training

- 15 days Industrial Training at Fie Research Institute, Ichalkaranji
- 6 months project internship at IIT Bombay

Projects Undertaken

- Design Development and Performance Analysis of Solar Paraboloid Dish Type Concentrator
- Experimental Investigation of Latent Heat Storage System using Phase Change Material at IIT Bombay
- Design, Development and Performance Analysis of Compound Parabolic Collector for Textile Industry Applications

Strengths

- Active Team Player
- Leadership Ability
- Positive Thinking
- Good Learnability
- Communication skills



Education

- **2018 - Pursuing** **PhD (Mechanical)**
College of Engineering, Pune
- **2014 - 2016** **Master of Engineering (Heat Power)**
Savitribai Phule Pune University, Pune
(CGPA – 8.23)
- **2010 - 2014** **Bachelor of Engineering in Mechanical**
College of Engineering, Pune
(Percentage: 71.88%)
- **2008 - 2010** **Higher Secondary Education**
Maharashtra State Board
(Percentage– 78.17%)
- **2003 - 2008** **Secondary Education**
Maharashtra State Board
(Percentage – 86.76%)



Contribution in Energy Conservation

- Involved in Energy Audit across different sectors
- Research in Compound Parabolic Collector for textile applications
- ECBC
- Awareness Program in energy conservation, efficiency and audit



Achievements

- **Published research papers**
- “Performance Enhancement of CPC using Graphical Ray Tracing” in IOP Conference Series: Materials Science and Engineering, 1065 (2021) 012015
- “Experimental Investigation of the Performance of Compound Parabolic Collector (CPC) for Low and Medium Temperature Application” in Energy Reports.
- **Presented research papers**
- “Performance Enhancement of CPC using Graphical Ray Tracing” in International Conference on Frontiers in Engineering Science and Technology ICFEST-2020
- “Experimental Investigation of the Performance of Compound Parabolic Collector (CPC) for Low and Medium Temperature Application” in 7th International Conference on Renewable Energy and Conservation on held in Paris, France
- “Adoption of Solar Energy in Textile Sector” amongst few selected papers in “International Conference on Advances in Engineering & Technology” at SKNCOE Vadgaon Pune
- “CFD simulation of Compound Parabolic Collector for Textile Industry Applications” at international conference on innovations in science, technology and management iCISTM-2022
- **Presented poster** on “Experimental Investigation of Latent Heat Storage System using Phase Change Material” at IIT Bombay
- Actively participated in various events in college and school.
- Participated in “RADIANCE” workshop on the topic “Quality & Six Sigma” (Yellow Belt Certification)