

# Mr. KIRAN RAMKRISHNA BELDAR



📍 303/A5, VBHC Housing Society, Phase 1, Devkhope, Palghar East, Tal-Palghar  
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🔗 Google Scholar: <https://scholar.google.co.in/citations?user=x01Q29UAAAAJ&hl=en>

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## CAREER OBJECTIVE

To obtain a challenging academic position where I can effectively contribute my skills, knowledge, and experience for institutional growth and personal development, while remaining resourceful, innovative, and adaptable.

## EDUCATIONAL QUALIFICATION

Degree	Specialization	Institution	Year	Score
PhD Pursuing	Solar Thermal	RGIT	2025	1 <sup>st</sup> Class
M.E.	Heat Power	DYPSOE, Ambi	2017	8.4/10 (Distinction)
B.E.	Mechanical Engineering	DYPCOE, Akurdi	2014	76.46% (Distinction)
H.S.C.	Science (Computer Sci.)	FC, Pune	2010	79.50%
S.S.C.	Science	NES, Parola	2008	87.84%

## PROFESSIONAL EXPERIENCE

### Assistant Professor:

St. John College of Engineering & Management, Palghar

June 2016 – Present

### Technical Writer:

Sharp Publication Pvt. Ltd., Pune

Sept 2015 – Nov 2015

- Authored notes for Heat Transfer, Thermodynamics, and Power Plant Engineering

## **Project Trainee**

Thermax Ltd., Pune

June 2013 – June 2014

- Designed and tested fixtures for boiler coil handling

## **RESEARCH PUBLICATIONS**

### **Patent:**

Central receiver tube with modified nano additive thermal storage for parabolic trough collector, Published on 30<sup>th</sup> August 2024.

### **International Journals**

- Dimensional Optimization of the Receiver Pipe in a Parabolic Trough Collector with Integrated Thermal Storage using CFD and the Taguchi Method, AIP Proceedings, 2025
- Dimensional Optimization of Solar Parabolic Trough Collector With Integrated Thermal Storage Using CFD Analysis, Cambridge Scholar Publishing, 2025
- Analysis of Natural Convective Heat Transfer From Cylinder having Rectangular Notch Fins, IJERT, 2017
- Design and Analysis of One-Wheel Electric Vehicle, IJARIE, 2017
- Experimental Analysis of Natural Convective Heat Transfer from Cylindrical Heat Sink, PGCON, 2017
- CFD Analysis of Cylindrical Heat Sink with Notches, IRJET, 2017

### **National Conferences**

- Dimensional Optimization of the Receiver Pipe in a Parabolic Trough Collector with Integrated Thermal Storage using CFD and the Taguchi Method, ICRAMEN 2025.
- Experimental study of solar parabolic trough collector by varying heat Transfer fluid, ICRAMEN 2025.
- Dimensional Optimization of Solar Parabolic Trough Collector With Integrated Thermal Storage Using CFD Analysis, ICRAIC 2K25.
- Investigation on Performance Characteristics of Solar Parabolic Trough Collector with Integrated Thermal Storage at Central Receiver Tube, Doctoral Consortium 2022.

## **PROJECT WORK**

### **PhD Project**

- Performance investigation of solar parabolic trough collector with integrated nano additive thermal storage at central receiver pipe.

### **M.E. Project**

- Experimental Study of Convective Heat Transfer from Longitudinal Fins with Material Variation from Notched Fins

### **B.E. Project (Thermax Ltd.)**

- Design & Manufacturing of Fixture for Boiler Roof Coil

### **ACHIEVEMENTS & CERTIFICATIONS**

- Coordinator of AICTE Idea Lab.
- Guided 10 B.E. Projects under Mumbai University
- Organizer of Science Fest at SJCEM
- NAAC and NBA coordinator
- MRP research proposal to Mumbai University
- Completed FDPs and QIP at VJTI, Palghar

### **STRENGTHS**

Strong academic foundation with industry experience

Team player with leadership qualities

Time management and multitasking skills

Excellent command over English, Hindi, and Marathi


### **HOBBIES**

Playing Tabla & Piano, Singing, Reading GS books, Movies and Music

### **DECLARATION**

I hereby declare that all the information provided is true to the best of my knowledge and belief.

 Palghar

 Date: 17/0/2025

Mr. Kiran Ramkrishna Beldar