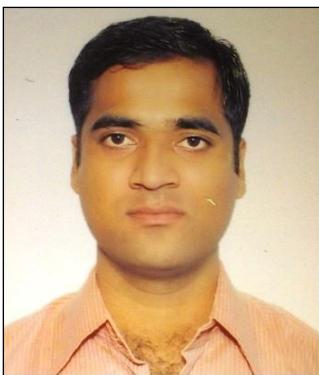


# AADITYA MISHRA



**Phone:** +91 9424683422  
**Email:** aadityamishra90@yahoo.com

## ❖ OBJECTIVE

To work for an organization that provides opportunity to improve my skills and knowledge to growth along with the organization objective.

## ❖ ACADEMIC QUALIFICATIONS

Examination/ Qualification	School / College	Branch/ Subjects	Board / University	Year of Passing	Percentage /CGPA
M.E	I.E.T. Devi Ahilya Vishwavidyalaya, Indore	Design & Thermal Engineering	D.A.V.V.	2016	73.43%
B.E.	Rishiraj Institute of Technology, Indore	Mechanical Engineering	R.G.P.V.	2011	73.13%
Higher Secondary	Govt. Boys Higher Secondary School, Umaria	PCM	B.S.M.P.	2007	84.5%
High School	Govt. Boys Higher Secondary School, Umaria	General	B.S.M.P.	2005	81.3%

## ❖ TECHNICAL SKILLS

- Software Package : CAD System  
Auto Cad, Ansys

## ❖ Projects Undertaken

### 1. Project Title: "Thermodynamic Analysis of Magnetic Refrigeration System Based on Carnot Model"

- Duration: july 2015 – june 2016
- Team Size: 1
- Under the Supervision of: Dr. Govind Maheshwari

This was the research work during my M.E. this year. In which an irreversible Carnot Cycle model is established, in which multi irreversibilities such as finite time analysis, heat leakage are taken in to account. Expressions for several important performance parameters, such as the cooling rate, coefficient of performance (COP), power input, exergy output rate, entropy generation rate, and ecological function are derived. The influences of the heat leakage and the time of the isothermal processes on the ecological performance of the refrigerator are analyzed. The optimal regions of the ecological function, cooling rate, and COP are determined and evaluated. Furthermore, some important parameter relations of the refrigerator are revealed and discussed in detail. The results obtained here have general significance and will be helpful in gaining a deep understanding of the magnetic Carnot refrigeration cycle.

#### ➤ Publications:

1. Our paper entitled "**Ecological Optimization of Magnetic Carnot Refrigerator**" has been published in the journal, "**Journal of Refrigeration, Air Conditioning, Heating and Ventilation**" having ISSN : **2394-1952(online)**.  
*Aaditya Mishra, Govind Maheshwari, Ecological Optimization of Magnetic Carnot Refrigerator, jorahv, 3(2), (2016) 61-68.*
2. Aaditya Mishra, Govind Maheshwari, *Optimum Coefficient of Performance of Irreversible Carnot Magnetic Refrigerator, IJIRSE, 2,(8), (2016), 140-146.*

### 2. Project Title: "Preparation of Biodiesel Using Trans-esterification and Testing on Diesel Engine"

- Duration: Jan 2011 – may 2011
- Team Size: 4
- Under the Supervision of: Mr. S. V. Dighe

This project was done during my B.E. in 2011. In which we had prepared biodiesel, with the help of soyabean oil using the method of trans esterification . After the preparation we tested it on the practical model of diesel engine, to determine various factors like NOX, CO, HCx etc in percentage terms. In which we had try to make a comparative study on various other fuels in economic and environmental term.

## ❖ EXPERIENCE

Working in the Prestige Institute of Engineering, Management & Research, in designation of Assistant Professor since August 2016.

## ❖ INDUSTRIAL TRAINING

- Industry : Sanjay Gandhi Thermal Power Station , Birsinghpur
- Duration: 28 Days

## ❖ EXTRA-CURRICULAR ACTIVITIES

- Participated in SAEINDIA BAJA 2009.
- N.C.C. ‘A’ level Certificate.
- Placement Coordinator (B.E.) R.I.T. Indore.
- GATE 2012 -88 percentile
- GATE 2014-96 percentile
- GATE 2015 Qualified
- GATE 2016 Qualified
- RGPV TET 2016 Qualified

## ❖ Area of Interest

- Thermodynamics
- Heat Transfer
- Refrigeration and Air Conditioning
- I.C. Engine
- Power Plant Engineering
- Machine Design(Static and Dynamic loadings)
- Strength of Material

## ❖ HOBBIES

- Reading Books, Reading News Paper, Listening Music, Playing Tabla, Playing Mouth Organ, Running(4-5 KMs in a single run), Cycling, To Interpret

## ❖ PERSONAL DETAILS

- Father’s Name : Late Shri. Girijadutt Mishra
- Father’s Occupation : M.P. Govt. Employee
- Date of Birth : 20/04/1990

- Nationality : Indian
- Language Proficiency : English, Hindi
- Contact details : 6/10, Vijay Nagar, Indore

## ❖ DECLARATION

I hereby declare that all the information furnished above is true to the best of my Knowledge & belief.

Place: Indore

Date:

Aaditya Mishra