Full Name: HITENDRA SADASHIV BHUSARE **Phone No.: 8956150594/9552025501**
Branch: Mechanical Engineering **Specialization: M.Tech: Thermal Engg.**
Male **DOB: 14 May 1994**
Address: At. Topalepada, Tal. Vikramgad, Maharashtra- 401605 **Email ID: hitendra14594@gmail.com**

Examination	Specialization	University/Board	Institute	Passing Year	CGPA / %
Post-Graduation	Thermal Engg.	NIT Jaipur (MNIT)	NIT Jaipur (MNIT)	2019	6.38
Graduation	Mechanical Engg.	DR. BATU, Lonere	DR. BATU, Lonere	2016	6.02
Intermediate/+2	Science	Maharashtra	ALC Jr. College, Wada	2012	63.83
Matriculation	-	Maharashtra	Vikramgad Highschool	2010	78.91

RESEARCH PAPER PUBLICATIONS

- B. F. Jogi, A. S. Awale, S. R. Nirantar, and **H. S. Bhusare**, "ScienceDirect Metal Inert Gas (MIG) Welding Process Optimization using Teaching-Learning Based Optimization (TLBO) Algorithm," Mater. Today Proc., vol. 5, pp. 7086–7095, 2018.
- **H. Bhusare**, K. K. Agrawal, R. Misra and G. D. Agrawal, "Techno-Economic Analysis of Earth Air Heat Exchanger System for Building Cooling in Hot and Dry Climate of Rajasthan (India)" International Journal of Scientific & Engineering Research, vo. 10, Issue 5, May-2019 ISSN 2229-5518.

WORK EXPIRENCE & INTERNSHIP

Mechanical Engineering Faculty / Lecturer at Government Polytechnic, Vikramgad (MH)

- Mechanical Engineering Faculty since 18th December 2020

Wadekar Engineering Works, Wada

- 15 days of industrial training in June 2014.
- Learning of various machining operations used in manufacturing processes.

Kirti Gold Groups at Solapur

- 30 days industrial training from June 2015 to July 2015.
- Worked in maintenance engineering department

Thermal Power Plant Familiarization at JSW Energy Centre of Excellence, Bellary Dist. Karnataka

- One-week training in April 2016

KEY PROJECTS

Experimentation and Analysis on MIG welding

- Experimental analysis on weld reinforcement, weld penetration, weld depth etc. of weld material.
- Design of experiment (DOE) on Taguchi and Minitab software
- From June-2015 to May-2016

Techno- Economic Analysis of Earth Air Heat Exchanger (EAHE)

- Integrating AC system with EAHE, Energy saving, Economic evaluation
- Thermo-hydraulic performance of EAHE
- Cooling load calculation by eQuest and Design-Builder, CFD simulation by ANSYS Fluent
- From May 2018 to June-2019

TECHNICAL SKILLS

- Computer Programming Languages: C, Python
- Platforms: MS Dos, MS Windows98, 2000, XP, Vista, Window7, 8, 8.1, 10
- MS Office: MS Word, MS Power Point, MS Excel
- CATIA V5, Solidworks, PVsyst, eQUEST, Design Builder, ANSYS Fluent 15.0

EXTRA CURRICULAR-ACTIVITIES

- Member of ISHRAE working committee 2014-15 and 2015-16, Dr. BATU, Lonere
- Volunteer in National Service scheme program from 2012 to 2014

INTERESTS/HOBBIES

- Playing and Watching Football
- Trekking and Camping