

Harsh J. Umaretiya

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Career Objective

To utilize the opportunities of working with a respected and progressive organization where I can enhance my professional skills and strengthen in conjunction with the company's goal and objectives and take new challenges.

Academic Credentials

Qualifications	Board/University	Month – Year of Completion	Percentage/ CGPA
S.S.C.	GSEB	March-2012	82%
H.S.C.	GSEB	March-2014	76%
B.E.-Mechanical Engineering	GTU	MAY-2018	6.89
M.Tech – Thermal Engineering	PDEU	JUNE-2021	8.43

- GATE (ME) qualified (2019) : 34.48, GATE score : 354

Experience

- Assistant Professor in Mechanical Engineering Department at Pacific School of Engineering, Surat from 20th Sept., 2021 to 12th July, 2022.
- Organized a Two days State Level Workshop Sponsored by GUJCOST based on Renewable Energy and title is “**Renewable energy based advanced technologies and its industrial application.**”
- Current Designation: **Junior NDT Engineer** in **TCR Advanced Engineering Pvt. Ltd., Vadodara, Gujarat** from 18th July, 2022 to till date.

Technical Skills

M.S.Office: Word, PowerPoint, Excel

Software known: Matlab (basic), EES (Engineering Equation Solver)

Project Detail

- **B.E. Project Title : Pedal Powered Juicer Grinder**
Design a pedal powered juicer machine which can also be used for many purposes like pumping, grinding, washing, cutting, etc. The purpose of this technical study is to increase the performance and output capacity of pedal powered juice grinding machine.
- **M.tech Project Title : “Modeling and Development of Solar Powered Electrocoagulation system for waste water treatment.”**
In order to reduce the wastage of waste water currently, I worked on a project named “Modeling and development of Solar Powered Electro coagulation system for waste water treatment.” In this project first we studied the system then performing mathematical modeling and proposing theoretical analysis of different parameters and improve the performance of the system by achieving the objectives like lower energy consumption, reducing cost and improving efficiency and how to process done in step by step.

Certifications & Licenses

- **Build Your Professional ePortfolio in English**
- **Speak English Professionally: In Person, Online & On the Phone**
- **Write Professional Emails in English**
- **Solar Energy Basics**
- **HVAC Course**
- **Introduction to Programming with MATLAB**
- **Experimentation for Improvement**
- **Differential Equations for Engineers**
- **Introduction to Calculus**
- **Matrix Algebra for Engineers**
- **Vector Calculus for Engineers**

Personal Traits

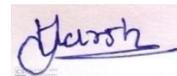
- Problem solving ability
- Positive attitude
- Confident and determined
- Good grip on mathematics, thermodynamics, and heat transfer

Personal details

Date of Birth	: 9 th June, 1997
Mother's Name	: Ilaben J. Umaretiya
Father's Name	: Jayantilal K. Umaretiya
B.E. Mechanical Engineering	: L. E. College, Morbi-2
M.Tech. Thermal Engineering	: PDEU, Gandhinagar
Languages Known	: English, Gujarati and Hindi.
Hobbies	: Listening music, Cycling, Travelling

Declaration

I hereby declare that all the particulars furnished by me in this application are correct and complete to the best of my knowledge.



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