

## Jalp Shahpatel

School of Technology  
Pandit Deendayal Petroleum University  
Gandhinagar, Gujarat

E-Mail Id: jalpshahpatel@gmail.com  
Cell No: 7405133396

### Objective

Secure a responsible career opportunity where I can utilize my knowledge and skills, while making a significant contribution to the success of organization.

### Education Qualification

| Qualification    | Institute                         | Board / University                    | Year of Passing | Percentage/CPI |
|------------------|-----------------------------------|---------------------------------------|-----------------|----------------|
| M.Tech (Thermal) | School of Technology              | Pandit Deendayal Petroleum University | 2019            | 9.27           |
| B.E (Mechanical) | Engineering College, Tuwa         | Gujarat Technical University          | 2017            | 8.55           |
| 12 <sup>th</sup> | The J.M.Desai high school, Thasra | G.S.H.S.E.B                           | 2013            | 73.83          |
| 10 <sup>th</sup> | The J.M.Desai high school, Thasra | G.S.H.S.E.B                           | 2011            | 91             |

### Experience

Company Name : **ICEMAKE.LTD, Ahmedabad**  
Designation : **Project Intern**  
Duration: : July 2018 – May 2019

### Academic Project

#### ➤ M.Tech Project

- **Title:** Investigation of Novel Freezing Process of Eutectic Refrigerated Vans incorporating PCM
- **Organization Name:** ICEMAKE.LTD
- **Duration:** July 2018 – May 2019
- **Brief of Project:** The project intends to study and suggested new ways to charge the eutectic refrigerated vans which is used for multi-deliveries of various products like vegetables, fruits, ice-creams etc. The thermal model is developed for the heat transfer analysis of freezing of phase change materials which is filled in eutectic plate using different concentrations of Glycol based solutions. Thermal modelling results are also compared with experiments results.

#### ➤ B.E Project

- **Title:** Development of Industrial Exhaust Gas Purification System Using Heat Exchanger
- **Brief of Project:** This project develops purification system which uses heat exchanger to reduce temperature of exhaust gas and cools down the exhaust gas. This low temperature gas is supplied to the purification System where various filters like Pre-filter, HEPA filter, Activated Carbon filter are installed. This filters reduce concentration of unburnt particles and some amount of CO, CO<sub>2</sub>, NO, NO<sub>2</sub> etc. in the exhaust gas that will result in reduction of Pollution.

#### ➤ Minor Project

- **Title:** Suspended Type Hydraulic Elevator
- **Brief of Project:** The Project studied the working of suspended type hydraulic elevator and its applications in industries and residential building. This method is also compared with traction system.

### Seminars

- Review on Waste Heat Recovery Technologies in Industries
- Review of Defrosting Methods in Refrigeration and Air-Conditioning System
- Application of Partial Differential Equation in Mechanical Engineering

## Internships

- **Interned at ICEMAKE.LTD, Ahmedabad**
  - Working on all stages of a product, from research and development to design and manufacture, through to installation and final commissioning.
- **Interned at Thermal Power Plant, Wanakbori**
  - Study and understand the working of various components of power plant such as Boiler, Condenser, Steam Turbine, Cooling Tower, etc.
  - Study the various flow diagrams such as steam flow path, coal flow diagram, water circulating circuit and ashes flow diagram.

## Achievements

- Represented ICEMAKE.LTD at REFCOLD.INDIA Event
- College Topper in Bachelor of Mechanical Engineering
- Runner-up at District level Mathematics Competition in School

## Software Proficiency

- MATLAB
  - EES SOLVER
  - NX SOFTWARE
  - MINITAB
- Office Suite: MS OFFICE**

## Industrial Visit

- Hydro-Power Plant Banswara, Rajasthan
- Gujarat State Transport Corporation Workshop, Godhra

## Personal Information

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>JALP PRAKSHBHAI SHAHPATEL</b>                       |
| <b>Permeant Address</b>  | <b>CHORA STREET, THARSA(388250)</b>                    |
| <b>Date of Birth</b>     | <b>10<sup>th</sup> MAY ,1996</b>                       |
| <b>Nationality</b>       | <b>INDIAN</b>  |
| <b>Languages Known</b>   | <b>GUJARATI,HINDI,ENGLISH</b>                          |
| <b>Hobbies</b>           | <b>WATCHING MOVIES, PLAYING CRICKET AND VOLLEYBALL</b> |
| <b>Permanent Address</b> | <b>CHORA STREET, THASRA (388250)</b>                   |

I am here by declare that the above given statements are true, correct and complete to the best of my knowledge and belief.

**Place - Gandhinagar, Gujarat**

**Name – Jalp Shahpatel**