

# CURRICULUM VITAE

## Chinmay B Dave

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## Career Objective:

To be a successful professional in the field of Mechanical Industry & to be part of a workplace that is highly innovative, creative and competitive. I would like to be a part of the team which gives a boost to my creative talent and zeal to bring out the best from me and others.

## Current Job:

**M.K. Aircon Pvt. Ltd.**

**October, 2016-Present**

**Position: Sales Engineer – Trainee**

### Work

- Heat-load Calculation based on ISHRAE handbook
- Equipment Selection
- Tender Estimation
- Site Visit & Networking

## Technical Paper:

Presented research paper entitled “Performance Evaluation of Double Effect Solar Still” in National Conference on Solar Thermal Technologies- 2016 organized at IIT-Jodhpur by Ministry of New and Renewable Energy during 26-28 February 2016, under publication in Springer proceeding in Energy,

## Internship:

**CSIR-CSMCRI**

**June, 2015 – July, 2015**

### Work

- Study of Solar equipments.
- Study of PV-RO and Floating PV system.
- CFD analysis of PV panel with reflectors.

## Field Project:

**CSIR-CSMCRI**

**July, 2015 – June, 2016**

**Title:** V-Trough Double Effect Solar Desalination Using Pre-Heated Water.

### Features

- Purification of water using Double Basin Solar Still.
- Utilization of unused latent heat.
- Continuous flow of water for self-cleaning.
- Study of the effects of salt concentration, flow rate and reflectors on the system.
- Comparison of Single Basin Solar Still with Double Basin Solar Still.
- Chemical analysis of purified water.
- Mathematical Model for the Lower basin.

## In-house Projects:

**Vishwakarma Govt. Engg. College**

**June, 2013 – May, 2014**

**Title:** Heat Flow Analysis of Friction Stir Welding

### Features

- CFD analysis of friction stir welding process.
- Experiments of friction stir welding on Aluminum 6061.
- Generation of contours for heat flow in the plate using software.
- Comparison of temperature profile generated with software to experimental results.

**Pandit Deendayal Petroleum University**

**November, 2014 – January, 2015**

**Title:** Increase the Productivity of Solar Evacuated Water Heater.

### Features

- Feasibility study of the steam generation from the ETC.
- For Utilisation of heated water during summer time.
- Input water is entrapped in the solar water heater affecting in steam generation.
- Steam can be directly utilized in kitchen for cooking purpose.

## Education Qualification:

<i>Degree</i>	<i>Board/ University</i>	<i>Discipline</i>	<i>Percentage</i>	<i>Year</i>
M.Tech.	PDPU	Thermal Engineering	76.30	2016
B.E.	GTU	Mechanical Engineering	68.50	2014
H.S.C.	GSHSEB	Science	84.80	2010
S.S.C.	GSHSEB	With Technical Subject	87.08	2008

## Software Skills:

- **Modelling Softwares:** Creo parametric, NX design.
- **Thermal System Analysis Software:** Engineering Equation Solver.
- **Analysis software:** ANSYS.

## Achievements:

- Qualified in **GATE-2014**.
- Got **3<sup>rd</sup>** rank in Project Poster presentation competition '**Open House**' held at **Vishwakarma Government Engineering College**.
- Secured **2<sup>nd</sup> runner-up** position in **Create Creo** under **TECHNOASPIRE 13** held at **Vishwakarma Government Engineering College**.
- Got **A<sup>+</sup>** Grade in '**C**' language exam of **C-DAC, GIST**.

## Activities:

- Member of **Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)** Student Chapter-PDPU from 2014 to 2016.
- Attended Workshop on **Research Opportunities and Resource Assessment of Wind Energy** on 21<sup>st</sup> February 2015 organised by Department of Mechanical Engineering, School of Technology, Pandit Deendayal Petroleum University.
- Participated in one-day workshop on **Computer Aided Thermal System Analysis** on 28<sup>th</sup> February 2015 organised by Department of Mechanical Engineering, School of Technology, Pandit Deendayal Petroleum University.
- Participated in one-day workshop on **Research Trends and Opportunities in Applied Energy** on 7<sup>th</sup> March 2015 organised by Department of Mechanical Engineering, School of Technology, Pandit Deendayal Petroleum University.
- Participated in **Wheelocity, Robo-roadies (Robotics)** held at Nirma University under I-Fest 2010.

## **Personal Details:**

- **Date of Birth:** October 11, 1992
- **Languages known:** English, Hindi and Gujarati.
- **Soft Skills:** Quick learner, Flexibility, Time management, Dedication, Hard work.
- **Hobbies:** Listening Music, Swimming, Driving, Watching Movies, Playing Cricket.