

# Mit Chamanlal Patel

A-9, Ratan Palace Apartment, Nr. Judges Bunglows Cross Road, Satellite, Ahmedabad-380015  
mitpatel.me@gmail.com | 9624024600, 9925725711

## Career Objective

---

To constantly learn, enhance my skills and capabilities to reach higher level of competence and utilize it efficiently and effectively so that the goals of particular organization as well as of my own can be achieved.

## Academic Profile

---

### Ph.D Thermal Engineering | School of Engineering (University: R K University)

Year- 2018 | Rajkot, Gujarat

Pursuing

### M.Tech Thermal Engineering | Institute of Technology (University: NIRMA UNIVERSITY)

Year- 2014 | Ahmedabad, Gujarat

Percentage: 67.07%

### B.E Mechanical | C U Shah College of Engineering & Technology (University: GTU)

Year- 2012 | Wadhwan, Surendranagar, Gujarat

Percentage: 63.33%

### H.S.C | Kameshwar Vidhyavihar (Board: GSHSEB)

Year-2008 | Ahmedabad, Gujarat

Percentage: 75.80%

### S.S.C | Kameshwar Vidhyalaya (Board: GSHSEB)

Year-2006 | Ahmedabad, Gujarat

Percentage: 75.29%

## Skills

---

**Software:** AUTO CAD

**Language:** English, Hindi, Gujarati

## Academic Projects and Industrial Training

---

### B.E Final year project (Industrial Defined Problem) | S.S.White Technologies India Pvt. Ltd.

Year- 2012 | Surendranagar, Gujarat

- Project Title: "Improvement of Overall Equipment Effectiveness of CNC Lathe Machine".

### M.Tech Final year project (Industrial Defined Problem) | Synergy Agro-Tech Pvt. Ltd.

Year- 2014 | Ahmedabad, Gujarat

- Project Title: "Performance Optimization of the Evaporative Condenser Design".

### Research project (Industrial Defined Problem) | DCW Power plant Pvt. Ltd.

Year- 2013 | Dhrangadhra, Gujarat

- Project Title "Reducing Clinker Formation in CFBC Boiler".

### Industrial training | Adani Power-Plant Pvt. Ltd.

Year- 2013(6 week) | Mundra, Gujarat

## **Research Paper/Conference/Workshop/Seminar/FDP**

---

### **Research Papers:**

- **Mr. Mit C. Patel**, Prof. B.A.Shah "Performance Optimization of The Evaporative Condenser Design" International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 5, May- 2014. ISSN: 2278-0181
- **Mr. Mit C. Patel**, Dhuma Patel " Combine Effect Of EGR & Water Injection on Single Cylinder Four Stroke CI Engine" International Journal for Scientific Research & Development (IJSRD), Vol. 4 Issue 3, May 2016, ISSN:2321-0613
- **Prof. Mit Patel**, Prof. Roshni Kapadia, Prof. Gauravi Joshi" Improvement of Overall Equipment Effectiveness of CNC Lathe Machine" International Journal of Engineering Science & Computing (IJESC), Vol. 6 Issue 11, Nov 2016, ISSN: 2250-1371.
- **Prof. Mit Patel**, Prof. Purnak Bhatt, Maharshi V. Patel "Review Paper on Wheel Rim" International Journal of Engineering Science & Computing (IJESC), Vol. 6 Issue 12, Dec 2016, ISSN: 2250-1371.
- **Prof. Mit Patel**, Prof. Mohseen Bukhari, Maulik Lohia "Review Paper on Bike Chassis for Stability of Rider by Ergonomic" International Journal of Engineering Science & Computing (IJESC), Vol. 6 Issue 12, Dec 2016, ISSN: 2250-1371.
- **Prof. Mit Patel**, Mansi Raval, Jenish Patel "Design of Disc Break's Rotor" International Journal of Engineering Development and Research (IJEDR), Vol. 4 Issue 4, Dec 2016, pp.919-926, ISSN: 2321-9939
- **Prof. Mit Patel**, Prof. Jignesh Patel, Dhanrajsinh Raoulji "Review Paper on a Fuel Cell Scooter" International Journal of Engineering Science & Computing (IJESC), Vol. 6 Issue 12, Dec 2016, , ISSN: 2250-1371.
- **Prof. Mit Patel**, Jenish Patel, Mansi Raval "Material Separation and Counting System" Advances in Materials and Product Design (AMPD- 2017) National Conference, 10<sup>th</sup> -11<sup>th</sup> March 2017 at SVNIT, Surat.
- **Prof. Mit Patel**, Sagar P Mistry, Prof. Mohsin Bukhari, Prof. Tejal Raval "Study of Modification on Car Body Accordance Topological Optimization: A Review" Advances in Materials and Product Design (AMPD- 2017) National Conference, 10<sup>th</sup> -11<sup>th</sup> March 2017 at SVNIT, Surat.
- **Prof. Mit Patel**, Joice Mathew, Prof. Rushikesh Patel "Effect of Ethanol and Biodiesel Usage in Diesel Engine- A review" TECHNIX International Journal for Engineering Research (TIJER), Vol. 2 Issue 6, April 2017,ISSN: 2349-9249.
- **Prof. Mit Patel**, Joice Mathew, Prof. Rushikesh Patel " Experimental Investigation of Diesel Engine with Ethanol Diesel Blend in Different Injection Pressures & Compression Ratio" International Journal of Engineering Development and Research (IJEDR), Vol. 5 Issue 2, April 2017, pp.713-722, ISSN: 2321-9939.
- **Prof. Mit Patel**, Prof. Abhisek Shah, Madhusudan Barot " CFD Analysis of Single Cylinder Four Stroke Gas Fueled Engine for Prediction of Air Flow Rate During Suction Stroke" International Journal of Engineering Development and Research (IJEDR), Vol. 5 Issue 2, May 2017, pp. 1135-1140, ISSN: 2321-9939.
- **Prof. Mit Patel**, Tharayil James Joseph, Devendra Singh Thapa" Review on Combustion Optimization Methods in Pulverised Coal Fired Boiler" International Journal of Engineering Development and Research (IJEDR), Vol. 5 Issue 3, July 2017, pp. 70-77, ISSN: 2321-9939.
- **Prof. Mit Patel**, Pathan S. Shabaz" Review on the performance parameter of 4 stroke diesel engine by inspecting fuel injection pressure and timing using bio diesel" International Journal of Applied Engineering Research, Volume 13, Number 8 (2018) pp. 12-14. ISSN 0973-4562.
- **Prof. Mit Patel**, Chetankumar Patel, Hitesh Panchal, Vinay Khatod"Analytical Review on Performance of Solar Desalination System " International Conference on Advances in Power Generation from Renewable Energy Sources (APGRES 2019), 11<sup>th</sup>-12<sup>th</sup> February 2019 at GEC Banswara.

### **Conference (National/International):**

- NUICONE 2012, 3<sup>rd</sup> Nirma University International Conference on Engineering at Institute of Technology, Nirma University on 06-08 December, 2012.
- SAMVAAD 1<sup>st</sup> State Level Multi Disciplinary Symposium at Silveroak College of Engineering & Technology, Ahmedabad.

- Factory Automation: Bridging the Gap between Industry and Academia at Institute of Technology, Nirma University on 1<sup>st</sup> October 2016.
- SAMVAAD 2<sup>st</sup> State Level Multi Disciplinary Symposium at Silver oak College of Engineering & Technology, Ahmedabad on 22-24 December 2016.
- AMPD -2017, "Advances in Materials and Product Design" at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat on 10<sup>th</sup> -11<sup>th</sup> March 2017.
- SAMVAAD 3<sup>rd</sup> State Level Multi Disciplinary Symposium at Silver oak College of Engineering & Technology, Ahmedabad on 20-22 December 2017.

### **Workshop:**

- One Day Workshop on "Energy Conservation Awareness" at Silver oak College of Engineering & Technology on 9<sup>th</sup> September, 2015.
- One Day Workshop on "Recent trends in Additive Manufacturing" at Silver oak College of Engineering & Technology on 23<sup>rd</sup> February, 2018.

### **Seminar:**

- One Day Seminar on "Patent Filing & Registration" at Silver oak College of Engineering & Technology on 10<sup>th</sup> September, 2016.

### **FDP:**

- FDP on "Entrepreneurship Development" on 25/01/2016 to 06/02/2016 at the Centre for Entrepreneurship Development, Gandhinagar.
- FDP on "Learner Centric Teaching Learning Methods" Organise by National institute of Technical Teachers' Training and Research, Bhopal on 04/12/2017 to 08/12/2017 at the Silver oak college of engineering and technology, Ahmedabad.

## **Academic Expience Details**

---

- I have **5 years 08 months** teaching experience as an Assistant Professor in Silver oak College of Engineering & Technology, Ahmadabad.

## **M.E. Dissertation Guided (Total=7)**

---

- "Combine Effect Of EGR & Water Injection on Single Cylinder Four Stroke CI Engine".
- "FEA Based Stress Analysis and Design Optimization of Engine Piston".
- "Topology Optimization of Spiral Bevel Gear".
- "Design and Analysis of drive shaft for four wheeler vehicle and Analysis in ANSYS"
- "Experiment and Analysis of Performance parameters for 4 Stroke Diesel Engine by Inspecting Fuel Injection pressure and timing by using Bio Diesel"
- "Topology Optimization of Automotive Gear Using Finite Element Analysis"
- "Aerodynamic Drag Reduction For Heavy Vehicles"

## **Personal Details**

---

- Date of Birth: 21<sup>nd</sup> May 1991
- Gender: Male

- Marital Status: Married
- Father's name: Chamanlal Muljibhai Patel

## **Declaration**

---

I consider myself familiar with Mechanical Engineering Aspects. I hereby declare that the above-mentioned information is true to the best of my knowledge. I am also confident of my ability to work in a team.

**Date-01/04/2019**

**(Mr. MIT PATEL)**