

CURRICULUM VITAE

DR. TEJENDRA BHANABHAI PATEL

Present Address:

C-402, Yogi Darshan Residency,
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A: GENERAL INFORMATION AND ACADEMIC BACKGROUND: -

1	Full Name	TEJENDRA BHANABHAI PATEL
2	Father's / Mother's Name	BHANABHAI BABARBHAI PATEL
3	Date of Birth	07/05/1982
4	Gender	MALE
5	Marital Status	MARRIED
6	Nationality	INDIAN
7	Category	SEBC
8	Full address for correspondence (with PIN code)	C 402 Yogi Darshan Residency Near GNFC Township Zadeshwer Bharuch 392001 Gujarat India
9	Permanent Address (with PIN code)	C/o Bhanabhai Babarbhahi Patel At Pathari Post Jujawa Ta and Dist Valsad 396001 Gujarat India
10	Contact Mobile Number	09714925495, 09714932834, 9904651768
11	E-mail	tejendrame2014@gmail.com , tejendra19827@yahoo.com
12	ORCID	https://orcid.org/0000-0001-6950-3835

B: ACADEMIC QUALIFICATION:-

Examination/Degree	Board\ University	Year	% CPI	Class	Main Subject
Ph. D. (Mechanical)	S.V.N.I.T.Surat	July/Aug 2020	Completed		Thermal system design
Ph. D. (Mechanical) (Course Work)	S.V.N.I.T.Surat	Apr/May 2013	9.33 CGPA	Distinction	Thermal system design
M. Tech. (Mechanical)	S.V.N.I.T.Surat	July/Aug 2010	9.27 CGPA	Distinction	Thermal system design
GATE	-	March 2008	92.77%	Distinction	Mechanical
B.E (Mechanical)	S.V.N.I.T.Surat	Apr/May 2006	68.37 %	Distinction	Mechanical
Diploma in Mechanical Engineering	T.E.B. Gandhinagar	Oct/Nov 2000	77.24 %	Distinction	Mechanical
10 th	G.S.E.B Gandhinagar	March 1997	80.29 %	Distinction	----

C: PROFESSIONAL EXPERIENCE**A. Record of previous & present employment**

Sr. No.	Name of the Institution	Period (From To) (DD-MM-YY)	Period of Experience (Years)	Designation
1	Art Glass Industries, Abrama, Valsad	09/06/2001 to 12/01/2002	8 months	Trainee engineer
2	Government Engineering College, Valsad	10/07/2006 to 28/05/2007	11 months	Visiting Faculty
3	Mahatma Gandhi Institute of Technical Education & Research Center, Navsari.	27/07/2007 to 24/07/2008	1 years & 1 month	Ad-hoc lecturer
4	Mahatma Gandhi Institute of Technical Education & Research Center, Navsari.	21/07/2010 To 25/04/2017	6 years & 10 months	Assistant Professor
		From 2013 to 2017		Worked as Head of the Department (PG section)
6	Shroff S R Rotary Institute of chemical Technology, Vataria, Ankleshwer	16/05/2017 to 15/06/2018	1 years & 2 months	Assistant Professor
7	Institute for Plasma Research, Bhat, Gandhinagar	01/01/2021 to till date		Post-Doctoral Fellow

B. Period of (teaching + Industries) experience: 10 yrs 08 monthsP.G. classes (in years): 04 yrsU.G. classes (in years): 09 yrs including 04 yrs PG classes**C. Research experience**

- i. Total number of years : 06
- ii. Years spent in Ph.D. : 06
- iii. No. of guiding M.E. Students : 09

D: DETAILS OF CONFERENCE/JOURNAL/PAPER PUBLICATON: -

Sr. No.	Title	Name of the Journal, Vol. No., Year with ISSN No. / Title of the book along with name of the editor, place of publication, publisher, year of publication and ISBN No.	Name of the coauthor/s, if any
1.	Experimental analysis of condensation heat transfer and frictional pressure drop in a horizontal circular mini channel	SCI Journal , Heat and Mass Transfer, Springer publication, 56, pages 1579–1600 (2020) https://doi.org/10.1007/s00231-019-02798-5	Dr. P. R. Tailor Dr. A. D. Parekh
2.	Condensation of refrigerant in a horizontal circular mini-channel using HFO refrigerant - A numerical study	Accepted for publication SCI Journal , Iranian Journal of Science and Technology, Transactions of Mechanical Engineering, Springer publication, 10.1007/s40997-021-00428-2	Dr. A. D. Parekh
3.	A comparative study of Refrigerant side condensing heat transfer coefficient for horizontal macro/mini/micro channel	Scopus Indexed MATEC Web of Conferences 166, 03003 (2018) https://doi.org/10.1051/mateconf/201816603003 , <i>ICMAA 2018</i>	Dr. P. R. Tailor Dr. A. D. Parekh
4.	Comparative Study and Development of New Correlation for Condensing Heat Transfer through Horizontal Mini Channel	Scopus Indexed International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(P): 2249-6890; ISSN(E): 2249-8001 Vol. 8, Special Issue 7, Oct 2018, 1348-1354.	Dr. P. R. Tailor Dr. A. D. Parekh
5.	Theoretical analysis of Two-phase Frictional pressure drop during condensation In horizontal mini channel	Scopus Indexed International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 11, November 2018, pp. 61–71, Article ID: IJMET_09_11_008 ISSN Print: 0976-6340.	Dr. P. R. Tailor Dr. A. D. Parekh
6.	Numerical Simulation of Condensing Heat Transfer and Pressure Drop in Horizontal Single Port Circular Mini Channel Using New HFO Refrigerants	Scopus Indexed Journal of Adv Research in Dynamical & Control Systems (JARDC), Vol. 10, 13-Special Issue, 2018, 199-209	Dr. P. R. Tailor Dr. A. D. Parekh
7.	Numerical Simulation of R410a-R23 & R404a-R508b Cascade Refrigeration System.	(Scopus Indexed Journal) World Academy of science & Technology, Vol:4 2010-10-12 https://doi.org/10.5281/zenodo.1327486	Dr. P. R. Tailor Dr. A. D. Parekh

8.	Experimental Investigation of Condensation Heat Transfer through Horizontal Mini Channel using 1,1,1,2-Tetrafluoroethane	6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016) December 15-17, 2016, MNNITA, Allahabad, U.P., India	Dr. P. R. Tailor Dr. A. D. Parekh
9.	Numerical Simulation of Condensation Heat Transfer in Mini-channels	44 th National Conference on Fluid Mechanics and Fluid Power (FMFP-2017) December 14-16, 2017, Amrita University, Amritapuri Campus, Kollam, Kerala, India	Dr. A. D. Parekh Anupam Kanojia
10.	Implementation Of Ann For Multi-Objective Optimal Reactive Compensation Of A Power System With Wind Generators	National Conference On Wind Engineering 2009 SVNIT, Surat	-
11.	Implementation Of real Time Probabilistic Transmission Congestion Forecasting Considering Wind Power generation.	National Conference On Wind Engineering 2009 SVNIT, Surat	-
12.	Matlab Implementation Of Echo cancellation in Telephone Line	National Conference On Information Science 2009, Manipal University, Manipal	-
13.	Thermal Design, Performance Study & Simulation Of Cascade Refrigeration System.	National Conference on Recent Trends in Thermal Engg.-2010, LNCT Bhopal.	-
14.	Numerical Simulation & Modeling Of Cascade Refrigeration System.	International Conference on "FIME-2010.	Dr. A.D. Parekh
15.	Design of Capillary Tube & Its effect on performance of Refrigeration System.	International Conference on "FIME-2010.	Dr. A.D. Parekh
16.	CFD Analysis of Condensing Heat Transfer Through mini channel.	IJSRD - International Journal for Scientific Research & Development Vol. 2, Issue 11, 2015 ISSN (online): 2321-0613	Shah Ketul D. H. A.Vaidhya
17.	Comparative Study of Thermal Performance of Spiral Tube Solar Water Heater with Straight Tube Solar Water Heater.	IJSRD - International Journal for Scientific Research & Development Vol. 3, Issue 03, 2015 ISSN (online): 2321-0613	Jignesh A. Patel Dr. Sadanand Namjoshi
18.	Current status of Wells Turbine for Wave Energy Conversion	IJSRD - International Journal for Scientific Research & Development Vol. 2, Issue 11, 2015 ISSN (online): 2321-0613	Jayendra J. Patel Devendra A. Patel
19.	CFD analysis of guide vane effect on performance of wells turbine for wave energy conversion	International Journal of Scientific & Engineering Research Volume 6, Issue 5, May-2015 ISSN 2229-5518	Jayendra J. Patel1
20.	Performance Analysis of Tesla Turbo machine as Turbine using CFD	International Journal of Advance Research and Innovative ideas in Education.ISSN:2395-4396	Jhanbux Variava
21.	Review of Standalone Solar Refrigerator Powered By DC Motor.	International Journal of Advance Research and Innovative ideas in Education.ISSN:2395-4396	Merzad Elavia
22.	Assessment of correlation for condensation heat transfer through horizontal mini channel.	National Conference on Emerging Vistas of Technology (NCEVT-2016) at Parul University, Vadodara.	Pradip Fultariya

23.	Simulation of Vapour Compression Refrigeration System Using Refrigerant Blend of R134a/R290/R600a.	National Conference on Emerging Vistas of Technology (NCEVT-2016) at Parul University, Vadodara.	Smit Patel
24.	A review on CDF analysis of multiport mini-channel heat exchanger using water as a working fluid	International Journal of Advance Research and Innovative ideas in Education.ISSN:2395-4396	Mehul Tandel
25.	A Review on Potential of Novel Energy-Efficient Dew-point Evaporative Air Cooling System	International Journal for research Trends and Innovation(IJRTI) ISSN:2456-3315, Vol. 3 Issue 1 January 2018	Saurabh Pandey Devang Patel

E: DETAILS OF SEMINAR/WORKSHOP/STTP:-

Sr.	Name of Program	Duration/Date	Organized by
1.	Attended “ Fundamentals and Special Topics in Heat Transfer ”	23 rd to 27 th June 2014	TEQIP (II) Sponsored at SVNIT Surat.
2.	Attended “ Computational Fluid Dynamics for Engineers and Scientists ”	20 th to 21 st June 2014	TEQIP (II) Sponsored at SVNIT Surat.
3.	Presented expert talk on “ Advances in Refrigeration & Air-conditioning ” at	12/01/2018	Bhagavan Mahavir college of engg. & Technology, Surat
4.	Co-ordinated Two Days Workshop on “ Fundamentals of Advance Fluid Mechanics: Experimental and CFD Approach ”	06/04/2018 To 07/04/2018	SRICT, Ankleshwer.

F: DETAILS OF PROJECT/DISSERTATION:-

Ph.D. Thesis Title:-	Condensation heat transfer and frictional pressure drop study in a horizontal circular mini-channel
M.Tech. Dissertation Title:-	Design, Simulation and Fuzzy Modeling of Multi-stage vapour Compression Refrigeration System.
B. E. Project	Design and Development of academic model of Draw operation Die.

G: ACADEMIC PERFORMANCE:-

(In Subject taught and Results achieved in GTU Examination)

Sr No.	List of subject taught	Subject offer in the year	Subject Taught and Result obtained in the year	% Result obtained
1	Design Engg. -I (B)	BE -II SEM IV	SUMMER 2015	98.15
2	Design Engg. -I (A)	BE -II SEM III	WINTER 2014	98
3	Design Engg. II (A)	BE -III SEM V	WINTER 2015	96.43
4	Internal Review	ME II SEM III	WINTER 2014	100
			WINTER 2015	100
			WINTER 2016	100
5	Dissertation Phase I	ME II SEM III	WINTER 2014	94
			WINTER 2015	90.00
			WINTER 2016	100
			SUMMER 2015	92.31

6	Dissertation Phase II	ME II SEM IV	SUMMER 2016	86
7	Experimental Technique & Instrumentation In Thermal Engg	ME -I SEM II	SUMMER 2015	90
8	Computational Fluid Dynamics	ME -I SEM II	SUMMER 2016	80.00
		ME -I SEM II	SUMMER 2018	100
		ME -I SEM II	SUMMER 2017	78
9	Advance Refrigeration Engg.	ME I SEM II	SUMMER 2015	100
			SUMMER 2016	90.00
10	Exergy Analysis Of Thermal System	ME I SEM II	SUMMER 2015	100
			SUMMER 2016	90.00
		ME I SEM II	SUMMER 2016	82
11	Refrigeration & Air Conditioning	BE IV SEM VIII	SUMMER 2016	99.22
			SUMMER 2015	98.47
			SUMMER 2014	98
			SUMMER 2012	100
12	Research Skill	ME I SEM I	WINTER 2014	100
			WINTER 2015	100
13	Advance Thermodynamics & Heat Transfer	ME I SEM I	WINTER 2015	100
			WINTER 2014	90
			WINTER 2013	100
14	Advance Fluid Mechanics	ME I SEM I	WINTER 2015	73
			WINTER 2017	100
			WINTER 2014	90
15	Design Of Heat Exchanger	ME I SEM II	SUMMER 2014	88
		ME II SEM III	WINTER 2015	90.00
		ME II SEM III	WINTER 2016	100
16	Advance Air Conditioning	ME I SEM II	SUMMER 2014	100
17	Engineering Thermodynamics	BE II SEM IV	SUMMER 2012	93.15
			WINTER 2014	61
18	Automobile Engg.	BE IV SEM VII	WINTER 2013	97
			WINTER 2011	93.1
19	Fluid Mechanics	BE II SEM III	WINTER 2013	79
20	Control Engg.	BE III SEM VI	SUMMER 2012	95.62
21	Engg. Graphics	BE I SEM I	WINTER 2011	63.9
22	Fluid Power Engg.	BE III SEM VI	WINTER2011	91.42
23	Elements of Mechanical Engg	BE I SEM I	WINTER 2017	92.10

H. References:

Name: Dr. A D Parekh

Designation: Associate Professor

Organization: SVNIT Surat

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Name:- Dr. Mukti Ranjan Jana

Designation:- Scientific Officer – G

Organization:- IPR Gandhinagar

Contacts. No:- 09427112621

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DECLARATION

I hereby solemnly affirm that the information given in this application form is true and correct to the best of my knowledge and belief. I understand that if any of the information given by me in this form is found incorrect, my candidature is liable to be cancelled at any stage without assigning any reason. I confirm that I shall abide by the decision/s of the University with regard to my application.

Date _____

Place _____

Name and Signature of the Candidate