

Mr. Bhavesh C Pathak

Assistant Professor

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**Educational Qualification**

Sr. No	Name of the examination	Institute/University	Year of passing	Percentage of marks /CGPA Division	Specialization
1	B.E. Mechanical	Maharaja Sayajirao University of Baroda	2000	60.21	Mechanical
2	M. Engg. (Cryogenics) Mechanical	L.D.Engineering College, GTU,Ahmedabad	2011	7.26	Cryogenics

Work Experience

Sr. No.	Name of the organization	Designation	Duration
1	GEC, Bharuch	Assistant Professor in Mech. Engg.	10/05/2011 to Till date

Training

Sr. No.	Year	Place	Duration	Subject/Title
1	2013	NITTTR	4/29/2013 to 5/10/2013	Induction Phase - I

2	2013	ISTE/MSU VADODARA	11/11/2013 to 11/22/2013	Advancement in Automobile Engineering
3	2014	IIT-KHARAGPUR /CHANGA(RLC)	5/20/2014 to 5/30/2014	Advancement in Fluid Mechanics
4	2014	NITTTR	11/16/2014 to 211/23/2014	Industrial Safety & Hazard Management
5	2014	NITTTR	12/1/2014 to 12/12/2014	Induction Phase - II
6	2015	ISTE/GEC-BHARU CH	11/2/2015 to 11/6/2015	MORDERN TRENDS IN RENEABLE ENERGY
7	2016	NITTTR-AHMEDAB AD	1/4/2016 to 1/8/2016	DEVELOPING ENTREPRENTURSHIP SKILLS IN STUDENDTS
8	2016	NITTTR	5/9/2016 to 5/13/2016	CATIA Basic
9	2016	QIP/SVNIT SURAT	11/7/2016 to 11/12/2016	Advancements in turbomachines
10	2017	NITTTR	7/24/2017 to 7/28/2017	POLLUTION MONITORING AND PREVENTION
11	2017	ISTE/MSU VADODARA	6/5/2017 to 6/17/2017	STTP ON CAD/CAM/CAE
12	2019	ISTE/MSU VADODARA	2/11/2019 to 2/16/2019	Heat Transfer and Its Application
13	2019	GEC, Bharuch	6/3/2019 to 6/15/2019	Recent Trend in I. C. Engine
14	2019	NITTTR	8/26/2019 to 8/30/2019	Prepare Students for Job Interview
15	2020	IITE,Gandhinagar	1/17/2020 to 1/23/2020	Beyond the Classroom Towards Excellence
16	2021	GEC, Modasa	22/11/2021 to 26/11/2021	Alternative Fuels

17	2021	LDCE, Ahmedabad	17/01/2021 to 22/01/2021	Impactful Pedagogical Skills and Restructuring of Collaborations
18	2021	IIT KH	18/01/2021 to 9/4/2021	Renewable Energy Resources
19	2022	NITTTR	19/12/2022 to 23/12/2022	Documents Preparation on LaTeX
20	2023	NITTTR	10/7/2023 to 15/7/2023	V Labs
21	2023	IIT Madras	18/07/2023 to 9/10/2023	Energy conservation and waste heat recovery
22	2024	ATAL/MSU Vadodara	23/09/2024 to 28/09/2024	Advances in materials and manufacturing

Publication

Sr. No	Title	Name of Journal/Conference	Vol./Year/Page No.
1	HEAT PIPE TWO PHASE FLOW LITERATURE REVIEW	Noor Islam National conference	NA 2011
2	MODAL AND STATIC STRUCTURAL ANALYSIS OF BACKHOE LOADER CHASSIS	National Conference	2012
3	Design, analysis and optimization of body flange and cover flange using finite element analysis	Int Res J Mech Eng Technol	Volume 4 Issue 5 Pages 81-87p 07/10/2013
4	Effect of Different Web Openings in Narrow Flange I Section Beam	International Journal	06/11/2013

5	Steam Condenser Body Flange and Cover Flange Design Validation Using FEA	International Journal	06/12/2013
6	Study of stratified flow in horizontal pipe with CFD	International Journal of Fluid and Thermal Engineering	Volume 2 Issue 2 Pages 42-51 2016
7	STUDY AND THERMAL ANALYSIS OF PIPING SYSTEM WITH CAESAR	International confernce	07/08/2014
8	EVALUATION OF OUTPUT AND HEAT RATE OF THE SIMPLE CYCLE GAS TURBINE DURING THE BASIC LOAD CONDITION	IJAREST	10/04/2015 2455-3670
9	Numerical Investigation for effect of hole size on jet penetration and incidence angle	International Journal of Fluid and Thermal Engineering	Volume 4 Issue 1 Pages 11-15 2018
10	Validation of Pressure drop in 2-phase flow for Liquid Oxygen by Using Gambit	IJFTE	Volume 5 Issue 1 Pages 4-8
11	Validation of Pressure drop in 2-phase flow for Liquid Nitrogen by Using Gambit	IJFTE	Volume 6 Issue 1 Pages 5-9

12	Effect of modifying bowl geometry for IC engine fuelled with diesel and Bio fuels - Review	International Conference	09/2022
13	A numerical analysis of impact of different piston bowl shapes-Diesel-RK software	International Conference	04/2023
14	DESIGN, DEVELOPMENT AND PERFORMANCE ANALYSIS OF MICRO HYDEL TURBINE FOR SMALL CAPACITY ENERGY DEMANDS	International Journal of Applied Engineering & Technology	Volume 5 Issue 2 Pages 277-286
15	Effect of using higher blends of Madhuca Longifolia with variable compression ratio in a CRDI diesel engine	International Conference	12/2023
16	Review Analysis on CFD Techniques and Numerical Methods for IC Engines Fueled with Diesel and Biofuels	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	Volume 110 Issue 1 Pages 40-62
17	Multi-Parameter Analysis of Low-Capacity CI Engine Powered with Biodiesel from Various Feedstock using Diesel RK Software	Journal of Heat and Mass Transfer Research	Volume 10 Issue 2 Pages 301-314
18	Experimental Study of Exhaust Manifold Water Injection on Emission of CI Engine Fueled with Madhuca Longifolia and Diesel Blends	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	Volume 112 Issue 2 Pages 116-136

19	Effect of modifying bowl geometry for IC engine fuelled with diesel and Bio fuels - Review	Journal of Thermal Engineering	Volume 10 Issue 1 Pages 244-261
20	Validation of CRDI Low Power Diesel Engine for Diesel Generator Set as a Renewable Energy Source in Microgrid	Conference/ Book Chapter Springer	23/02/2024
21	Impact of high blends of Madhuca Logifolia biodiesel on the performance, combustion and emission parameters in a CRDI diesel engine at variable compression ratio	Trans. Energy Syst. Eng. Appl. , 5(2): 647, 2024	Volume 5 Issue 2 Pages 1-16
22	Review analysis on CFD techniques and numerical methods for IC Engine fuelled with diesel and biofuel	International Conference	2022
23	Thermodynamic Performance of an Engine by Modifying Piston Bowl Geometries Fuelled by SME-100, LA-100, KB-100 Biodiesel Blends, and Diesel	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	Volume 102 Issue 1 Pages 1-13