

**GIDC DEGREE ENGINEERING COLLEGE**  
**FACULTY PROFILE**

	<b>Name of Teaching Staff</b>	ANKITKUMAR KHANDUBHAI PATEL		
	<b>Designation</b>	ASSISTANT PROFESSOR		
	<b>Department</b>	AUTOMOBILE		
	<b>Date of Joining</b>	01/09/2012		
	<b>Qualifications with Class/Grade</b>	B.E. (Automobile), M.E. (Mechanical), Ph.D. Pursuing		
	<b>Total Experience in Years</b>	Teaching	Industry	Research
		12 Years	-	-



	Area Of Interest	I.C Engine, Electric and hybrid vehicle, Alternative fuels,				
	Papers Published in Journals	National	-	International	08	
	Detail Of Publication	<b>Research Paper Published detail</b>				
		<b>Sr. No.</b>	<b>Titles of Research Paper</b>	<b>Name of Journal</b>	<b>Publication year</b>	<b>Remarks</b>
		1	" Design and development of safer braking system for automatic moped	International journal of innovative knowledge concepts, vol 6 special issue 2, 2018	ISSN:2454-2415-2018	As Main Author
		2	Heat Transfer Analysis of Damping Fluid Using Shock Absorber Test Rig	International Journal of Scientific Review and Research in Engineering and Technology (IJSRRET)Vol.1(5),July-Aug,2016	ISSN:2455-3603	As Main Author
		3	Experimental Analysis and Heat Transfer Study of Damping Fluid in Shock Absorber Operation	International Journal of Engineering Development and Research	ISSN: 2321-9939	As Co- Author
	4	Experimental Analysis and Heat Transfer Study of Damping Fluid in Hydraulic Twin Tube Shock Absorber	International Journal for Scientific Research & Development  Vol. 2, Issue 03, 2014	ISSN (online): 2321-0613	As Co- Author	

		5	A Research Paper on performance and emission for diesel engine using different fuel additives blend.	International conference on information, knowledge & research in engineering, technology & sciences-2012	ISBN:978-81-906220-3-5 24-25 /3/, 2012	As Main Author
		6	Experimental Analysis Of Temperature Control Of Lithium-Ion Battery By Utilize Heat Pipe.	Vidyabharati International Interdisciplinary Research Journal 13(1) ISSN 2319-4979(Web of science).	2021	As Main Author
		7	Heat Transfer Investigation of Shock Absorber Test Rig with Different Damping Fluid	International Journal of Mechanical Engineering- ISSN: 0974-5823- Vol. 7 No. 2 February, 2022 (Scopus).	2022	As Main Author
		8	CFD Analysis of Shell and Tube Heat Exchanger by Changing Geometrical Shape of Baffles	Indian Journal of Natural Sciences- Vol.13 / Issue 74 / October / 2022- ISSN: 0976 – 0997(Web of science).	2022	As Co- Author
	Papers Presented in Conferences	National	03	International	01	
		1	A Review Paper on Performance and Measurement of Emission for Diesel Engine Using Different Fuel Additives Blend	National Conference On Advances In Engineering And Technology (NCAET-2012)	2012	As Main Author
		2	A Review Paper on Performance and Emission	National conference on	2012	As Main Author

			for Diesel Engine Using Different Fuel Additives Blend	advance in engineering and technology (ncaet-2012),kalol institute of technology & research centre, kalol.		
		3	Emission Study of Biodiesel Compare to Conventional for Different Load.	National conference on emerging vistas of technology in 21st century "futuristic trends in mechanical engineering"(ncevt'12), the indian institute of technical education	2012	As Main Author
		4	A Research Paper on performance and emission for diesel engine using different fuel additives blend.	International conference on information, knowledge & research in engineering, technology & sciences-2012-ISBN:978-81-906220-3-5 24-25 /3/, 2012	2012	As Main Author
	Successfully Completed & Passed Trainings/Courses/Modules	<b>Sr. No.</b>	<b>Course Name</b>	<b>Duration of course</b>	<b>Organized By</b>	
		1	Modeling and Simulation of Mechanical Systems Using Solidworks	1 week	Mechanical Engineering Department GIDC Degree Engineering College, Abrama, Navsari	
		2	Recent Trends of Mathematics in Science & Technology(RTMST-	1 week	GIDC Degree Engineering College, Abrama, Navsari	

		2017)		
		3	Design of Mathematical Models in Different fields of Engineering	12 week Applied Science and Humanity Department (GIDC Degree Engineering College, Abrama)
		4	Online Courses on Electric Vehicles and Renewable Energy	1 week SWAYAM-NPTEL
		5	Nurturing Innovation and Startup Ecosystem (NISE)	1 week i-Hub SSIP
		6	Faculty Development Programme (FDP) on “Nanomaterial Synthesis, Process, Characterization and its Functional Applications”	1 week Hindusthan College of Engineering and Technology, Coimbatore- 641 032
		7	FDP on Emerging Research Areas in mechanical engineering	1 week CMR Technical campus, Telangana, -501401 India
		8	National level FDP on effective strategies for hyflex teaching and learning environment	1 week Career development cell siddhpur, gujarat
		9		
	Projects Guided	More than 30		
	Books Published / IPRs/ Patents			
	Professional Memberships			

	Consultancy Activities	
	Awards	

	Grants Fetched	
	Interaction with Professional Institutions	