

Recent publications by MIT faculties

Sr. No	Research Paper	Authors	Journal / Conference	Volume No	Page No
1.	“Structural and mechanical characterization of CrN hard coating deposited on Si and glass substrate”	H. N. Shah	International Journal of Automotive and Mechanical Engineering (IJAME)	Under Review	
2.	“Hardness and Roughness analysis of WC coated boiler steel for industrial application”	H. N. Shah, Pina M Bhatt	1 st International Conference on Research and Entrepreneurship; 2016	Jan 5-6,2016; Rajkot, India	
3.	“Effect of Inoculation on Microstructure and Mechanical Properties of Ductile Iron Castings with Varying Thickness”	V. P. Patel, H. N. Shah, S. B. Patel	1 st International Conference on Research and Entrepreneurship; 2016	Jan 5-6,2016; Rajkot, India	
4.	“Morphological Analysis of Nitride Coated Steel for Industrial Application”	Pina Bhatt, H. N. Shah	Trends in Mechanical Engineering & Technology	(2016) Volume 6, Issue 1	1-5
5.	“Effects of Thermal Barrier Ceramic Coatings and Different Nozzle Configurations on Emissions and Performance Characteristics of Diesel Engine”	Vinay Kumar, H. N. Shah, Pintu Patel	International Conference ICAER-2015	IIT, 2015, Mumbai, India	
6.	“Nanostructured Coating Improves Properties of Metal-A Review”	P Bhatt1, H. N. Shah	Journal of Modern Chemistry & Chemical Technology	(2015) Volume 6, Issue 3	1-10
7.	“Computational and Experimental Analysis of Nitride Coated Cutting Tools”	Pina Bhatt, H. N. Shah,	Journal of Experimental & Applied Mechanics	(2015) Volume 6, Issue 3	1-8
8.	A State of Art Review on Design of heat exchangers and Selection of fluids for waste heat recovery from diesel engine exhaust.	Vinay Kumar, Suthar K.	Sadhana Academy proceedings in Engineering Science, Springer.	(Under Review)	
9.	Effects of Different Piston Bowl Geometries on Performance and Emissions Characteristics of Diesel Engine at	Vinay Kumar, Patel N.	ASME 2016 Internal Combustion Engines Fall Technical Conference	(Abstract accepted, paper submitted)	

	Varying Injection Pressures and Timings.				
10.	Effect of Piston Geometry on Diesel Engine Performance and Emission Characteristics with Varying Injection Pressure	Nimesh A. Patel, Vinaykumar Sharma	International Journal for Scientific Research & Development	Vol. 3, Issue 03,	2321-0613
11.	Modeling for In- Cylinder Pressure and Heat Release Rate Analysis of C.I Engine Powered with WEO.	Vinay Kumar	Elseviers 7th International Conference on Applied Energy, Abu Dhabi		
12.	Influence of thermal barrier coatings on four stroke single cylinder diesel engine performance.	Patel P, Vinay Kumar	International journal for scientific research and development		1048-1051
13.	Comparative Study for Heat transfer Enhancement and Friction Characteritics of solar Air Heater Having Artificial roughness Geometry.	Manish Parmar, Sukritindra Soni, Ashvin Suthar	International Journal on Recent and Innovation Trends in Computing and Communication	2015, Volume: 3 Issue: 5	ISSN: 2321-8169 : 2883 - 2886
14.	Experimental Investigation of Diameter effect of Al2O3 nano fluid on Shell and tube heat exchanger in laminar flow regime	Somchandra Patel , Vijay Patel, Vishal Thakkar	International Journal of Advance Research in Engineering, Science & Technology(IJAREST)	May- 2015, Volume No.2, Issue No. 5, Impact Factor: 2.125	ISSN(O):2393-9877, ISSN(P) : 2394-2444,
15.	CFD approach to study the effect of various geometric parameters on performance of annular type gas turbine combustion chamber	Vishal Rasaniya , Deepu Dinesan	International Journal Of Ict Research And Development	2015, Volume No.1, Issue No. 10	ISSN: 2395 4841
16.	A Literature Review For Optimization and Analysis of Slant Bed	Ankit Patel, Hiren Mistry	International Journal Of Engineering Sciences & Research Technology	December- 2015, Impact Factor: 3.785	ISSN: 2277-9655
17.	Effects Of Different Piston Bowl Geometries On Performance And Emissions Characteristics Of Diesel Engine At Varying Injection Pressure And Timings	Vinay Kumar, Nimesh Patel	Proceedings of the Internal Combustion Engine Fall Conference 2016	October 9-12, 2016, South Carolina, USA	ICEF 2016-9418
18.	Effects of Different Injection Strategies on combustion of biodiesel fueled engine.	Vinay Kumar, Deepu Dinesan	ASME : International Mechanical Engineering Congress and Exposition	Nov: 11-17, 2016, Pheonix, Arizona	IMECE 2016-68150