

## SONA COLLEGE OF TECHNOLOGY

(An Autonomous Institutions)

Department : Mechanical Engineering

S. No.	Name of the Supervisor	Supervisor No	Name of the Scholar guiding	Date of enrolment	Title of the Research
1	Dr. D. Senthilkumar	1620426	Mr. V. Ravi Kumar	January 2010	Performance analysis on IC engines
			Mr. V. M. Madhavan	January 2010	Experimental Investigation on Nox emission in Internal Combustion engines.
			Mr. T. Saravanakumar	January 2010	Heat Transfer Enhancement Study on Heat Sink
			Mr. S. Asokan	January 2010	A Systematic Approach to the Multi Fuel Fired Lime Mudreburning kiln operation with , Respect to Energy and Environment
			Mr. A. Sivaprakasam	January 2010	Design and Optimization of heat sink.
			Mr. M. Manimuragan	January 2010	Performance, combustion and emission characteristics in di diesel engine.
			Mr. T. Raja	January 2010	Bio fuel
			Mr. R. Vinoth	July 2011	Heat Transfer Analysis Micro sink.
			Mr. R. Nandha Kumar	July 2011	Heat Transfer in Micro Chanel
			Mr. K. Shanmugavel	July 2011	Experimental Study of dropwise condensation underneath chemically textured and nanocoated surfaces.
			Mr.T.Nithyanantham	January 2013	Experimental Investigation on Pool Boiling on Thin Film Coated Surfaces
			Mr. R. Yuvaraj	January 2013	Modeling and Simulation of Dropwise Condensation on Super hydrophobic Surfaces
			Mr.D.Vasudevan	January 2013	Enhancement of Pool Boiling Critical Heat Flux with various types of Nano coatings
Mr. Bhalerao Sunil Arjun	July 2021	She Learning from Ancoent Times and Futuristic Approach for Sustainable Development			

2	Dr.K.Muralidharan	2820017	Mr.A.Ganapathi	January 2019	Experimental Investigation on the effect of Ginger grass based ternary fuel and reduced graphene oxide nano=platelets in direct injection diesel engine
			Ramesh D	July 2017	Experimental Investigation on using mixed nano fluids in direct absorption solar collector for heat transfer enhancement
			Dheenathayalan T	July 2017	Supply Chain Safety Management
			Murugan R	January 2018	Exprimental analysis of solar desalination system
			Karthikeyan V	January 2022	Experimental Investigation of Solar Collector to improve heat transfer rate with enhanced additive mixed working fluid
			Gobinath K	January 2022	Quantitative and Qualitative methods of risk assessment in coal fired thermal power plants
3	Dr. R. Mohan	2420247	M. P. Senthilkumar	January 2010	Experimental study and optimization for optimal setting of machining parameters for turning AL HMMC
			J. Shanthi	July 2011	Experimental Production of wire Cut EDM Process Parameters of Machining of Titanium Alloy using Non-Traditional Algorithm.
			R. Manivannan	January 2015	Study and Analysis of Mechanical Properties on Sandwich Structure With Negative Passion Ratio Honeycomb Core
			D. Kalaimagam	January 2015	Experimental and Numerical Analysis of Heat Exchangers using Nano Fluids
			S. Mohanasundaram	February 2015	Experimental and theoretical estimation of Heat flux distribution in the vicinity of protrusions on the cone.
			A. Kannan	March 2015	Experimental investigation & Characterization of magnesium metal matrix composite.
			A. Kana karaj	July 2015	Investigation and Tribological Characterization of Hybrid nano MMC
			S. Perumal	July 2015	Numerical and Experimental Analysis of a Concentric tube Heat Exchanger using Dimpled tubes with Nan fluids.
			V. R. Srinivashan	July 2015	Development of Nano Composite Coatings for Corrosion Protection of Light Alloys such as Aluminum and Magnesium.
			V. Moorthi	July 2015	Materials and Mechanical Systems.
G. Sivaraman	July 2016	Experimental analysis of Solar Water heater			

4	Dr. A.Jegan	2520047	Mr. S. Natarajan	April 2008	Design of geometrical and force adaptable underactuated robot hand for space and industrial applicaion
			Mr.C. Thangavel	July 2011	Design and Development of Smart wing for defense and commercial Aircrafts
			Mr.A. Srinivasan	January 2012	Design of long reach manipulator for controlling base disturbance
			Mr.P.Natarajan	July 2015	Triboloical behaviour of electrodeposited Ni-SiC and Ni-TiO <sub>2</sub> nano composite coatings
			Mr.D.R.Joshua	June 2015	Assessmet on the Mechanical Properties of Ni-TiO <sub>2</sub> and Ni-Al <sub>2</sub> O <sub>3</sub> nanocomposite coatings on nickel based super alloys by pulsed electrodeposition
			Mr.S.Sankar ganesh	July 2015	Study of mechanical and corrosion behaviour of Ni-SiC and Ni-Si <sub>3</sub> N <sub>4</sub> nano composite coatings on magnesium alloy by pulse and pulse reverse electrodeposition
			Mr.A.Mahendran	July 2015	Production of nanostructured Silicon and Titanium Particles through High Energy Ball Milling.
			Mr.J.S.Shathiskumar	January 16	Pulse Reverse Electrodeposition of nano Ni-SiC and Ni-SiC – CNT composite coatings on automotive components
			Mr. V.Suresh	January 2016	Study of friction and wear characteristics of Ni/SiC, Ni/TiO <sub>2</sub> , Ni/Si <sub>3</sub> N <sub>4</sub> nano composite coatings by Pulse and Pulse Reverse Electrodeposition
			Mr.B.Srivijai	January 16	Study of microstructure and mechanical properties of compacted HSS and TiC tools obtained by Ball Milled nanostructured particles
			Mr.L.Gokulnathan	January 16	Study of micro ECM on automated parts by pulse and pulse reverse current method
5	Dr.S.Mahalingam	2820094	Mr.M.Sivakumar	June 2017	Studies on Performance Enhancement of Heat Pump Water Heaters
			Mr.S.Kannan	June 2017	Performance and Analysis of LPG Gas in DI Diesel Engine by HCCI Mode of Combustion
			Mr.S.Srinath	June 2017	Experimental Investigation of Nano Fluid Based Cooling Method in Single Cylinder Direct Injection Diesel Engine
			Mr.S.Shanmugam	January 2017	Development Of Anthropomorphic Soft finger Tips For Dexterous Object Manipulation
6	Dr.K.Venkatesh Raja		Mr.Lakshmana Kumar S	February 2011	Studeis on auxetic robotic fixtures for efficient damping in drilling operation

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			Mr.P. Kumaravel	December 2016	Investigation and Process Parameter optimization of Micro EDM using Multi objective Algorithm
			Mr.U. Gobikrishnan	December 2016	Investigation and Optimization of process parameter of stainless steel using micro electro chemical machining
			Mr.R. Karthik	June 2017	Vibration and Damping analysis of sandwich structure
			Mr.C.Dhineshababu	June 2017	Multi objective flexible job shop scheduling using an improved hybrid evolutionary algorithm
			Mr.Karthik Boopathi	September 2021	Assessment on the Dynamic Behavior of Sandwich Structures Using Finite element analysis and Machine Learning Technique
			Mr.Sangeeth Kumar M	February 2022	Assessment & Influence of FDM Process parameters on the Mechanical properties of PLA material