

## CURRICULUM – VITAE

**NAME** : Tushar Ananda Koli  
**MAILING ADDRESS** : 44, Sadashiv Nagar, Old khedi Road,  
Near Datta Mandir, Jalgaon, 425001  
**MOBILE NO.** : +91-9423185087  
**DATE OF BIRTH** : 01-06-1978  
**E- MAIL ADDRESS** : kolutushar09@gmail.com  
**LANGUAGES KNOWN** : English, Marathi and Hindi



### SCHOLASTICS :

Degree	University	Class/Grade	Percentage
PhD (Mechanical)	North Maharashtra University, Jalgaon	Pursuing	-
M.E(Machine Design)	North Maharashtra University, Jalgaon	Distinction	71.4
B.E(Mechanical Engineering)	BAMU Aurangabad	Distinction	67.0
Diploma in Mechanical Engineering	BTE Mumbai	First	70.6

### EXPERIENCES:

- One year experience as Service Engineer at Mahindra Showroom, Jalgaon.
- Six Years Experience as visiting lecturer in Mechanical Engineering Department, at Government Polytechnic Jalgaon.
- At present working as an Assistant Professor in Mechanical Engineering Department in GF's Godavari College of Engineering, Jalgaon from 5<sup>th</sup> July 2010.
- Post Graduate Co-ordinator (Thermal Engineering) from July 2016.

<b>RESEARCH PAPER PUBLICATIONS</b>			
<b>JOURNAL</b>		<b>CONFERENCE</b>	
<b>INTERNATIONAL</b>	<b>NATIONAL</b>	<b>INTERNATIONAL</b>	<b>NATIONAL</b>
<b>52</b>	<b>-</b>	<b>1</b>	<b>12</b>

**PUBLICATIONS:**

**INTERNATIONAL JOURNALS :**

1.CFD Analysis of Shell and Tube heat Exchanger to Study the Effect of baffle Cut on the Pressure Drop	IJRAME, Vol. 2, Iss. 7, pp. 1-7, July 2014.
2.Analysis of Steady State heat conduction in different composite wall	IJRSET, Vol. 4, iss. 7, 5394-5400, July 2015
3.Study And Review on Performance analysis of various expansion devices in vapour compression refrigeration system.	IJAR (May 31) issue 5, vol 4 (2016),1520-1523
4.Experimental analysis of thermostatic expansion valve, Constant expansion devices and capillary tube on vapour compression refrigeration system.	IJSEAS (Vol-2 issue-6 (June 2016) 356 - 360
5.Performance, Emissions and Combustion evaluation of CI engine using Bio fuel.	IJSET vol-5, issue-1, January-2016 ,pp 119-124
6.CI engine using alternative fuel-Review	IJEDR vol-3, issue-2, May-2015, 1295-1298
7.A critical Review on different Heat Exchanger used for heat transfer between two fluids	IJEBA ,8(2) March-May-2014,PP 149-152
8.Thermal Behaviour of composite wall in steady state condition.	IJIMAE issue -08,28-33, June 2015
9.“Investigation of MPFI System Using Magnetism For Petrol Engine Enhancement”-A Review.	IJRSET, ISSN (Print) : 2347-6710, ISSN (Online): 2319-8753,vol 6, special issue1,Jan 2017,471-474

10.A Review on Design, Développement of Cold Plate used in CPU Cooling.	International Journal of Emerging Technology and Advance Engineering, (IJETAE), Vol. 7, Issue 7, ISSN: 2250—2459, ISO 9000:2008 Certified Journal July 2017.
11.CFD Analysis and Experimental Testing of cold plate used in CPU Cooling	International Journal of Emerging Technology and Advance Engineering, (IJETAE), Vol. 7, Issue 9, ISSN: 2250—2459, ISO 9000:2008 Certified Journal September 2017.
12.Design and Experimental analysis of solar air conditioner	International Research Journal of Engineering and Technology (IRJET), Volume 4 Issue 7, July 2017
13.“Human Power & Human Powered Machine: A Review.”	International Journal Of Advanced Research In Science Management And Technology. (IJARSMT), ISSN: 2454-4159, Volume 2, Issue 12, December 2016
14.“Performance Evaluation of Human Powered Air Conditioning System.”	International Journal Of Advanced Research In Science Management And Technology. (IJARSMT), ISSN: 2454-4159, Volume 3, Issue 3, April 2017
15.Investigation of effect of fin Design on Performance of windows air conditioning system	International Journal for Engineering Applications And Technology (IJFEAT) ISSN:2321-8134, October-December 2016
16.Thermal Performance of Solar tunnel drier by using various absorbing materials	(IJAERD) volume 04, Issue 08, August 2017
17.A Review on Role of Phase Change Materials in Energy Engineering Applications.	IJAECs, Special Conference issue NACCTESTM-2017.
18.A Review on Effect of Magnetic Field to Improve Fuel Consumption in S.I Engine.	IJAECs, Special Conference issue NACCTESTM
19.Study on Solar Dryer Technologies.	IJAECs, Special Conference issue NACCTESTM
20.Performance Analysis of Car Radiator by Using Nano Fluid.	IJAECs, Special Conference issue NACCTESTM

21. Investigation on Thermal Performance of Heat Pipe Using Nanofluid: A Review	International Journal of Advance Engineering and Research Development (IJAERD) e-ISSN 2348-4470, p-ISSN 2348-6406, Volume 5, Issue 1, January 2018
22. Investigation of MPFI System using Magnetism for Petrol Engine Enhancement	IJIES, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) PP-263-268
23. A Review on Design of Hydraulic Mold Splitter and Tipper Equipment	IJIES, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) PP-294-296
24. Design of Compact Condenser for Heat Recovery and COP Enhancement of Domestic Refrigerator	IJIES, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) PP- 351-356
25. Energy Involvement in the Transportation of Building Materials	IJIES, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) PP- 357-360
26. Experimental and Finite Element Analysis of Bending Effect on Leaf Spring	IJIES, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) PP- 368-372
27. Performance Improvement of Vortex Tube, By Varying Inside Surface Roughness of Cylindrical Hot Tubes	IJIES, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) PP- 384-390
28. Maximising the Heat Transfer Through Fins Using CFD as a Tool	IJIES, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) PP- 391-398
29. Experimental Set Up For Measurement of Strain by Using Strain Gauges on Simply Supported Beam and Analysis on ANSYS	IJIES, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) pp- 399-402
30. A review on Design Development of Interchangeable Tool Head and Auto feed Table Mechanism For Portable orbital Form Riveter	International Journal of Innovations in Engineering and Science, ISSN: 2456-3463, Special Conference issue ; April 2018 (NACCTEST 2018) PP- 407-409

<p>31.Experimental Investigation Of Auto Tracking Solar Operated Air Cooler With Cooling Cabin</p>	<p>International Journal of Innovations in Engineering and Science, ISSN: 2456-3463,vol 4, Issue 10,2019, A National level technical paper presentation - Phoenix 2k19,Godavari College of Engineering, Jalgaon,(26 March 2019)</p>
<p>32.Experimental and Development of Variable Refrigerant Flow (VRF) System By Using Multiple Expansion Valve in Air Condition System</p>	<p>International Journal of Innovations in Engineering and Science, ISSN: 2456-3463,vol 4, Issue 10,2019, A National level technical paper presentation - Phoenix 2k19,Godavari College of Engineering, Jalgaon,(26 March 2019)</p>
<p>33.A Review Paper on Experimental Investigation for Air Conditioning Condenser To Increase The Heat Transfer Rate By Varying The Tube Arrangement</p>	<p>International Journal of Innovations in Engineering and Science, ISSN: 2456-3463,vol 4, Issue 10,2019, A National level technical paper presentation - Phoenix 2k19,Godavari College of Engineering, Jalgaon,(26 March 2019)</p>
<p>34.An Investigation Of Performance Improvement In Refrigeration Test Rig By using Phase Change Material (PCM)</p>	<p>International Journal of Innovations in Engineering and Science, ISSN: 2456-3463,vol 4, Issue 10,2019, A National level technical paper presentation - Phoenix 2k19,Godavari College of Engineering, Jalgaon,(26 March 2019)</p>
<p>35.A Review Paper on Solar Panel Cooling Technique</p>	<p>International Journal of Innovations in Engineering and Science, ISSN: 2456-3463,vol 4, Issue 10,2019, A National level technical paper presentation - Phoenix 2k19,Godavari College of Engineering, Jalgaon,(26 March 2019)</p>
<p>36.Review Paper On Heat Transfer Analysis Of Helical Fin With Parabolic Cross Section</p>	<p>International Journal of Innovations in Engineering and Science, ISSN: 2456-3463,vol 4, Issue 10,2019, A National level technical paper presentation - Phoenix 2k19,Godavari College of Engineering, Jalgaon,(26 March 2019)</p>
<p>37.A Review Paper on Performance Evaluation of Desiccant Wheel with Comparative Study of Dehumidification using Various Desiccant Material used in hybrid Air Conditioning</p>	<p>International Journal of Innovations in Engineering and Science, ISSN: 2456-3463,vol 4, Issue 10,2019, A National level technical paper presentation - Phoenix 2k19,Godavari College of Engineering, Jalgaon,(26 March 2019)</p>

<p>38.An Experimental and Psychrometric Analysis of Desiccant Wheel with Comparative Study of Dehumidification using Desiccant Material used in hybrid Air Conditioning</p>	<p>International Journal of Research in Engineering, Science and Management, ISSN (Online): 2581-5792. Volume-2, Issue-6, June-2019</p>
<p>39.Experimental Heat Transfer Analysis of Helical Fin with Parabolic Cross Section</p>	<p>International Journal of Research in Engineering, Science and Management, ISSN (Online): 2581-5792 Volume-2, Issue-8, August-2019</p>
<p>40.An Experimental Investigation for Air Conditioning Condenser to Increase the Heat Transfer Rate by Varying the Tube Arrangement</p>	<p>International Journal of Research in Engineering, Science and Management, ISSN (Online): 2581-5792 Volume-2, Issue-8, August-2019</p>
<p>41.Experimental and Selection Criteria of Variable Refrigerant Flow (VRF) System with the help of Heat Load used in Air Condition System</p>	<p>International Journal of Research in Engineering, Science and Management, ISSN (Online): 2581-5792 Volume-2, Issue-8, August-2019</p>
<p>42.A Review on Auto Tracking Solar Operated Air Cooler with Cooling Cabin</p>	<p>International Journal of Research in Engineering, Science and Management, ISSN (Online): 2581-5792 Volume-2, Issue-1, January-2019</p>
<p>43.Design and Performance Investigation of Hybrid Solar Photovoltaic Thermoelectric System</p>	<p>International Journal of Research in Engineering, Science and Management, ISSN (Online): 2581-5792 Volume-2, Issue-8, August-2019</p>
<p>44.Single cylinder four stroke CI engine Exhaust Manifold System back pressure reduction – A Review</p>	<p>International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X, Impact factor 4.295,vol 5,Issue 4 July-August2019, Reference no.OAP/IJ/194/052</p>
<p>45.Experimental Verification and CFD analysis of single cylinder four stroke CI engine Exhaust Manifold system</p>	<p>International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X, Impact factor 4.295,vol 5,Issue 4 July-August2019, Reference no.OAP/IJ/194/206</p>

<p>46.A Review on Performance of Heat Exchanger Using Different Surface Coated Tubes</p>	<p>International Journal of Emerging Technology &amp; Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal), Volume 9, Issue 7, July, 2019</p>
<p>47.Effect of Different Surface Coated Tubes on the Performance of Shell and Tube Heat Exchanger</p>	<p>International Journal of Emerging Technology &amp; Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal), Volume 9, Issue 7, September, 2019</p>
<p>48.Experimental Investigation and Heat Transfer Analysis of a Dimple Tube and Corrugated Tube Heat Exchanger</p>	<p>International Journal for Scientific Research &amp; Development (IJSRD),ISSN (online) 2821 0613,Volume 8, Issue 6, August 2020</p>
<p>49. Experimental Investigation of Effect of Different Tube Geometries on Heat Transfer in Solar Pond</p>	<p>International Journal of Advance Engineering and Research Development(IJAERD), ISSN(online) 2348-4470, Volume 7, Issue 8, August 2020</p>
<p>50. Experimental Investigation of the Performance and Emission Characteristics of DI Diesel Engine using blended biodiesel and water emulsion under varying load condition</p>	<p>International Journal of Advance Engineering and Research Development(IJAERD), ISSN(online) 2348-4470, Volume 7, Issue 9, September 2020</p>
<p>51. Experimental Investigation of Energy and Exergy of Diesel Engine using Hybrid Biodiesel</p>	<p>REST Journal on Emerging trends in Modelling and Manufacturing Vol: 6(1), 2020 REST Publisher ISSN: 2455-4537</p>
<p>52. A Review Paper on Design, fabrication and experimental investigation of solar hybrid dryer with biomass burner for farmers.</p>	<p>International Journal of Advance Engineering and Research Development (IJAERD, Volume 08 Issue 02, February-2021.</p>

## International Conférences

<p>1.A Review on Evaluation of The Performance of New Solid Desiccant Solar Air Conditioner Unit, Modelling and Simulation (ICMSET), February 2014</p>	<p>International Conference On Modelling And Simulation In Engineering And Technology Icmset-2014, 15-16. February, 2014</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------

## National Conférences

<p>1.A Review on Role of Phase Change Materials in Energy Engineering Applications.</p>	<p>National Conference on Current Trends in Engineering, Science, Technology and Managements (NACCTESTM-2017) 'Godavari College of Engineering,Jalgaon,(21 March 2017)</p>
<p>2.A Review on Effect of Magnetic Field to Improve Fuel Consumption in S.I Engine.</p>	<p>National Conference on Current Trends in Engineering, Science, Technology and Managements (NACCTESTM-2017) 'Godavari College of Engineering,Jalgaon,(21 March 2017)</p>
<p>3.Study on Solar Dryer Technologies.</p>	<p>National Conference on Current Trends in Engineering, Science, Technology and Managements (NACCTESTM-2017) 'Godavari College of Engineering,Jalgaon,(21 March 2017)</p>
<p>4.Performance Analysis of Car Radiator by Using Nano Fluid.</p>	<p>National Conference on Current Trends in Engineering, Science, Technology and Managements (NACCTESTM-2017) 'Godavari College of Engineering,Jalgaon,(21 March 2017)</p>
<p>5.Investigation of MPFI System using Magnetism for Petrol Engine Enhancement</p>	<p>National Conference on Current Trends in Engineering, Science, Technology (NACCTEST-2018) 'Godavari College of Engineering,Jalgaon,(20 March 2018)</p>
<p>6.A Review on Design of Hydraulic Mold Splitter and Tipper Equipment</p>	<p>National Conference on Current Trends in Engineering, Science, Technology (NACCTEST-2018) 'Godavari College of Engineering,Jalgaon,(20 March 2018)</p>



7.Design of Compact Condenser for Heat Recovery and COP Enhancement of Domestic Refrigerator	National Conference on Current Trends in Engineering, Science, Technology (NACCTEST-2018) 'Godavari College of Engineering,Jalgaon,(20 March 2018)
8.Energy Involvement in the Transportation of Building Materials	National Conference on Current Trends in Engineering, Science, Technology (NACCTEST-2018) 'Godavari College of Engineering,Jalgaon,(20 March 2018)
9.Experimental and Finite Element Analysis of Bending Effect on Leaf Spring	National Conference on Current Trends in Engineering, Science, Technology (NACCTEST-2018) 'Godavari College of Engineering,Jalgaon,(20 March 2018)
10.Performance Improvement of Vortex Tube, By Varying Inside Surface Roughness of Cylindrical Hot Tubes	National Conference on Current Trends in Engineering, Science, Technology (NACCTEST-2018) 'Godavari College of Engineering,Jalgaon,(20 March 2018)
11.Maximising the Heat Transfer Through Fins Using CFD as a Tool	National Conference on Current Trends in Engineering, Science, Technology (NACCTEST-2018) 'Godavari College of Engineering,Jalgaon,(20 March 2018)
12.Experimental Set Up For Measurement of Strain by Using Strain Gauges on Simply Supported Beam and Analysis on ANSYS	National Conference on Current Trends in Engineering, Science, Technology (NACCTEST-2018) 'Godavari College of Engineering,Jalgaon,(20 March 2018)

**PARTICIPATIONS in WORKSHOP and STTP :**

1.A Certificate course in “ Compute Aided Design using Catia” IFS Academy	5 June – 11 July 2011
2.“Teaching-Learning Process in Engineering & Technology” at GF’s GCOE, Jalgaon	09-11 November, 2011
3.“Intellectual Property and Patent Lifecycle Management” at Amrutvahini College of Engg., Sagamner	21January, 2012
4.Two day workshop on “ Mastercam Milling and Robot Programming at GF’s GCOE Jalgaon. IFS Academy	30-31 January 2012
5.Two day “Faculty Development Program” Golbarena Technologies	29-30 November 2012
6.One week STTP on “CAD/CAM/CAE” at SSBTCOE, Bambhori ,Jalgaon	14-19 January 2013
7.One day Workshop on “Industrial Automation”	9 August 2013
8.Three day Workshop on “AutoStroke” Codex Design	2-4 March 2015
9.Faculty Development Programme On ANSYS-CFD at Shri Sant Gajanan Maharaj C.O.E, Shegaon	18-19 March 2016
10.One Week STTP on “Rapid prototyping for product Development” atProf Ram Meghe Institute of Technology &Research,Anjangaon Bari Road,Badnera-Amravati	5-9 December 2016
11.One day workshop on syllabus framing at SSBTCOE, Bambhori, Jalgaon	18 March 2017
12.One day workshop on Digital Evaluation System (DES) organised by Centre DBATU, Jalgaon	26 Oct. 2017

13. Two day workshop on Pedagogy and Use of ICT in class room at Godavari College of Engineering, Jalgaon.	20-21 January 2018
13. One day workshop on syllabus framing at SSBTCOE Bambhori, Jalgaon	03 July 2018
14. "User Awareness Program" Jointly organised by Springer Nature and Knowledge Resource Centre, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon at KBCNMU, Jalgaon	25 Sep 2018
15. NPTEL Workshop conducted by IIT Madras, at Chh. Shahu College of Engineering, Aurangabad	01 Dec 2018
16. Workshop on Internet of Things (IoT) Gateway of Artificial Intelligence (AI) organised in association with YUreka Electro Services at Godavari College of Engineering, Jalgaon	17 Sep 2019
17. Two day workshop on 'IPR and Patenting Awareness of Invention and Innovation (WIPAI-2019) at Godavari college of Engineering, Jalgaon	28 and 29 Nov 2019

## Participation in Virtual FDP, STTP, Workshop

1.NPTEL COURSE- “Kinematics of Mechanisms & Machines”,	Jan-March 2020
2.FDP on “Current Trends in Industry”, Dr. D.Y.Patil IOEMR, Akurdi, Pune	Date: 02 <sup>nd</sup> to 8 <sup>th</sup> May, 2020
3.FDP on “Advanced Trends in Engineering”, SSSS’s NIT, Nagpur	19th to 23rd May, 2020.
4.FDP on “Problem Based Learning”, JSPM’s RSCOE, Tathawade, Pune	1st to 5th June, 2020.
5.FDP on “Robotics, Automation & Industry 4.0”, Dr. D.Y.Patil IOT, Pimpri, Pune	Date: 08th to 12th June, 2020
6.“To Promote Entrepreneurship, IPR, Innovation & Start-ups ”, MHRD’s IIC, New Delhi-	Date: 28th April to 22th May, 2020.
7.Workshop on “MOODLE Learning Management System”, IIT, Bombay-	Date: 04th May to 09th May, 2020
8.STTP on “Advanced Optimizations Tools & Techniques for Researchers & Engineers”, SKN SCOE, Pandharpur	Date: 23rd May to 27th May 2020
9.Workshop on “Electric Vehicle- Career & Business Opportunity” Anantrao Pawar COER, Pune.	Date: 26th May 2020.
10.FDP on “Scilab”, S. B. Jain IoTMR, Nagpur	Date: 04th May to 09th May 2020
11.FDP on “Innovation, Entrepreneurship & its Relevance in Industry 4.0 Practices in the Post of Covid-19 Situation”, Terna Engg. College, Nerul, Navi Mumbai-	Date: 25th May to 29th May, 2020.
12.FDP on “Advances in Renewable Energy” organized by Department of Mechanical Engineering, Dr. D. Y. Patil Institute of Technology, Pimpri, Pune-18	5 May to 9 May 2021
13.FDP on “Research Directions In Science & Technology”Department of Mechanical Engineering, Dr. D. Y. Patil Institute of Technology, Pimpri, Pune-18.	17 May to 21 May 2021

## Participataion in Seminar and Webinar

1.Research Academy- “Guide To Reference Manager :- How to effectively manage your references”,	Date : 04th May, 2020.
2.Research Academy- “How to prepare your manuscript”	Date : 04th May, 2020.
3.Research Academy- “How to write an abstract and improve your article”,	Date : 04th May, 2020.
4.“Awareness Program on Intellectual Property Rights”, RD’s SCS COE :-	Date : 14th May, 2020.
5.“Industry 4.0”, KVNNSPS LoGMIEER, Nashik.	Date : 19th May, 2020.
6.INPODS-“Accreditation Management System Demo”,	Date : 30th April, 2020
7.“Research Methodology Including Experimental Approach”, AISSMS CoE, Pune-	Date : 31st May, 2020.
8. “Aspects of Writing a Research Paper”,. SKN SIoTS, Lonavala, Pune	Date : 31st May 2020
9. “Fracture Mechanics Approach in Design Engineering & Research Opportunities in Gear Mechanics”, Sinhgad Academy of Engg., Kondhwa, Pune-	Date : 31st May 2020.
10.“Hybrid Technology”, Jeppiaar IoT, Chennai	Date : 21st May, 2020.
11.“Internet of Things using MATLAB”, GCOE, Jalgaon	Date : 29th April, 2020
12.“IPR Patenting for Revenue Generation”, A.C.Patil COE, Navi Mumbai-	Date : 12th May, 2020.
13.“New Higher Education Policy & Digitization of Education” RCPIT, Shirpur-	Date : 17th May, 2020

14. Career Options and Opportunities for Electronics Graduates, Godavari College of Engineering, Jalgaon	19-04-2021
15. “Vaccine: History and Overview” organized by Department of Mechanical Engineering, Dr. D. Y. Patil Institute of Technology, Pimpri, Pune-18	08 May 2021

**DECLARATION :**

I do hereby declare that the particulars of information and facts stated hereinabove are true, correct and complete to the best of my knowledge and belief.

Date:

Place:

Tushar A. Koli

### Details of P.G Students Guided

Sr. No.	Name of Student	Project Title
1	Jadhav Avinash D.	Cfd analysis of shell & tube heat exchanger to study the effect of baffle cut and spacing on the pressure drop & heat transfer coefficient
2	Patil Rajendra Pandit	Thermal analysis of heat transfer through composite wall
3	Patil Ravindra A.	Performance, emission and combustion evaluation of c.i. engine using alternative fuels
4	Anup Eknathrao Ghurde	Design and Development of Human Powered Air Conditioning System
5	Saurabh C.Mahajan	Investigation of Effect of Fin Design on performance of Windows Air Conditioning System
6	Rohit V. Joshi	Comparative Analysis of Capillary Tube and Thermostatic Expansion Devices on Performance Improvement in vapor Compression Refrigeration System
7	Anirudhha Y Chaudhari	Experimental Investigation of an Innovative Solar Water Distillation System
8	Kishor.M. Mahajan	Design and Development of Band Heater for Performance Improvement of Injection Moulding Machine
9	Rameshwar. V. Wagh	Design and Development of an Innovative Hot Water Storage Tank for Solar Water Heating System
10	Patil Anil S.	Experimental Investigation of Effect On Design of Water Cooled Condenser in Domestic Refrigerator
11	Jawale Kundan H.	Experimental Investigation of Pyrabox Cooler with Fresnel lens and Mirror Reflector.
12	Sandanshiv Soni S.	Design, Development, CFD Analysis and Experimental testing of cold plate used in CPU Cooling.
13	Patil Pravin S.	Design, Fabrication and Performance analysis of solar tunnel dryer using various absorbing materials.
14	Koli Ajay Shaligram	Design And Experimental Analysis Of Solar Air-Conditioner
15	Nilesh Waykole	Investigation of MPFI System using Magnetism for a Petrol Engine Performance Enhancement
16	Nitin V. Galwade	Performance Improvement of Vortex Tube By Varying Inside Surface Roughness Of Cylindrical Hot Tubes
17	Salve Mohanraj Arvind	Heat transfer analysis of helical fin with parabolic cross section
18	Nathjogi Harsha Gangaram	Experimental Investigation of auto tracking solar operated air cooler with cooling cabin
19	Pethkar Likhil D	Performance Improvement of IC engine by using backpressure reduction in Exhaust Manifold
20	Makhija Kailas Udamdas	Performance analysis of heat exchanger tube by using different surface coating.

21	Manoj A Chaudhari	Experimental Investigation of energy and exergy analysis of diesel engine using hybrid biodiesel and its blends.
22	Shital Patil	Experimental Investigation and heat transfer analysis of dimple tube and corrugated heat exchanger.
23	Shaikh Muzammil Iqbal	Design and Development of Innovative solar tracking system for maximum energy harvesting

#### **Details of P.G Students Guiding**

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Project Title</b>
1	Patil Sumit G.	Performance Analysis of car radiator by using nano fluid.
2	Juneriya Shaikh	Performance Investigation of an automotive car radiator operated with nanofluid based coolants