



Department of Mechanical Engineering
K. K. Wagh Institute of Engineering Education and Research
Hirabai Haridas Vidyanaagari, Amrutdham, Panchavati, Nashik-422003

**List of Final Year Projects
(Academic Year 2024-25)**

Sr No	Name of Project Guide	Name of Students	Project Title
1	Dr. Prashant B. Kushare	Jagtap Akshada Tanaji	Optimization in semi-active suspension system for motorcycle
		Lokhande Yojit Sitaram	
		Patil Narendra Eknath	
		Pingle Vishwa Vithoba	
2	Dr. Sanjay D. Barahate	Patil Yash Nivrutti	Investigation of Performance of Loop Heat pipe
		Patil Pranav Chandrashekhar	
		Patil Vishal Dnyaneshwar	
		Palve Tejas Jitendra	
3	Dr. Vijay S. Patil	Ahirrao Shraddha Rajendra	Experimental Investigation into effect of additives on performance emission and vibrational characteristics of CI engine
		Ahire Sandesh Dipak	
		Hadpe Shubham Sunil	
		Sonawane Sanket Maruti	
4	Dr. Vilas K. Matsagar	Kothawade Atharva J.	Material Characterization of friction material for clutch plate
		Lagad Deepti Rohidas	
		Gaikwad Harshal Keshav	
		Kadam Ketan Nandlal	
5	Prof. Vaibhav V. Khond	Deore Harshavardhan Girish	Design and Development of IoT based on board Hot Axle detector and brake binding detector system for railway wagons
		Pathade Omkar Rajendra	
		Thakur Tushar Satish	
		Kharole Mahesh Sunil	
6	Dr. Snehal V. Kadbhane	Thakur Vishwad Shrutikant	Electromagnetic effluent treatment plant based water oil separation
		Jadhav Gaurav Abhiman	
		Shende Aniket Sanjay	
		Tungar Om Pradip	
7	Dr. Atulkumar S. Patil	Sambhus Vedant Vaibhav	Forecasting of surface roughness of different materials using image processing
		Saini Harshit Vijay Kumar	
		Pandey Yash Ajay	
		Pangavhane Siddesh Sandeep	
8	Prof. Preeda S. Pillai	Thakur Shubham Santosh	Design, Manufacturing and Assembly of Engine Fixture
		Nikam Dhiraj Girish	
		Borade Purva Vilas	
9	Prof. Ramesh V. Bhandare	Dalal Atharva C.	Real Time data acquisition and monitoring for bearing and gear fault detection
		Dhangar Himanshu Sanjay	
		Gholap Vishwajit Sudhir	
		Chikhale Sahil Satish	
10		Ahire Harshal Nityanand	Experimental Investigation And Evaluation Of PLA , PLA+CF &
		Bandre Yash Sunil	



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	Prof. Pardeshi Mohansing Rameshsing	Ghoderao Ashish Appasaheb Nikam Shubham Anil	PLA+GLASS Polymer Component Printed By Using Fused Deposition Modeling (FDM)
11	Prof. Patil Nivrutti V.	Chhatre Aniket Raju Gite Akanksha Raosaheb	Design & Development of electric operated self-balancing vehicle
12	Prof. Panchbhai Mangesh Pralhadrao	Adke Sham Pravin Aher Vijay Sanjay Bagal Anurag Revaji Chavan Aditya Balasaheb	Design and Fabrication of Onion leaf cutting and sorting machine
13	Prof. Amit D. Bhagure	Kadam Aniket Ramdas Tambe Aditi Ajay Jadhav Rutuja Raviraj	Design & Development of electromagnetic suspension for passenger vehicles
14	Prof. Shivaji S. Kale	Naik Paras Arun Kasar Prathamesh Shankar Khairnar Kunal Dattatray Khairnar Kunal Avinash	Building Energy Simulation and net zero strategies for K.K. Wagh Institute
15	Prof.. Rakhade Rahul Damodhar	Fargade Suyog Dadabhau Gadakh Tejas Shashikant Pekhale Shubham Rangnath Saner Harish Sharad	Design and Development of Natural Fibre composite material and analysis its sustainability for automobile interior application
16	Prof. Prashant K. Kavale	Apraj Advait Abhay Yeole Parth Sanjay Kashmire Bhushan Dattatray	Design and Development of maintenance trolley for the high-density pallet storage (HDPS), Automated Storage and Retrieval Systems (ASRS)
17	Prof. Sonawane Manoj Sayaji	Udmale Sampada N. Dhangar Tejaswini Nimba	Investigation of Mechanical properties of Jute-Bamboo mixed fibre composite for skate board application
18	Prof. Rohit V Bhaskar	Adage Pranav Chandrakant Darade Rushikesh Narendra Jadhav Rushikesh Sanjay Kajale Parth Ashok	Analysis of hybrid composite sandwich structure using additive manufacturing technique for different lattice geometries
19	Prof. Milind Bhiram	Jadhav Vijay Gajanan Ghumare Tanuja Sanjay Vadnere Sanjana Vasant Sagar Shubham B.	Analysis of different material of belt for CVT used in two wheeler
20	Prof. Pankaj R. Beldar	Ansari Azhar Anwar Bhagwat Harshal Hrushikesh Goykar Nilesh Arjun Gaikwad Dnyanesh C.	Enhancing of air purity through smart portable air purifier
21	Prof.. Mate Sonali Dinkar	Ghadge Jayendra Anil Gund Shivnath Balkrushna Patil Parth Rajendra Ilag Atharva Khandu	Analysis of laser beam machining process parameters on performance characteristics of different material

22	Prof. Bhadak Mugdha Vikas	Gorade Sujal Dilip	Design and Fabrication of pipe bending machine
		Sonawane Darshan Sanjay	
		Nadankar Yashodhan Santosh	
		Pawar Prasad Daulat	
23	Prof. Ganesh R. Rayjade	Katale Kunal Valu	Investigation of the effect of losses in pipes on centrifugal pumps by vibration analysis and learning approach
		Kokate Om Navanath	
		Narkhede Pranav Prakash	
		Rokade Rushikesh Digambar	
24	Dr. M.N.Shelar Prof. Vishal G. Galande	Bramhankar Om Purushottam	Analysis of Solar Opreataed Water pump used in Agricultural field
		Kamble Rahul Ravindra	
		Khairnar Rohit Ambadas	
		Salunkhe Vedant Santosh	
25	Prof.Patil Bhushan Gulabrao	Mahale Neha Sanjay	Experimental investigation on Solar Drying of agricultural produce
		Patole Sakshi Deepak	
		Nagargoje Vaishnavi Vishnu	
26	Dr. Mahesh N.Shelar	Shinde Siddhi Popat	Field investigation on the performance of electric vehicles
		Barde Devendra Arjun	
		Deore Diksha Sachin	



[Signature]
Head,

Mechanical Engg. Dept.