



List of Projects

Academic Year: 2023-24

Sr. No	Name of Student	Title of Project	Industry/ Inhouse	Project Guide
1	Tambe Dev Kiran Gupte Onkar Arvind Jadhav Om Sanjay Hadpe Shubham Sunil	Development of Machine Learning Integrated Dynamic Suspension System for Automobile Application	Inhouse	Dr. P. B. Kushare
2	Patil Sanket Sanjiv Pawar Gaurav Anna Kute Karan Kishor Kute Dhananjay Mahendra	Integrated system for the Development of Drover	Inhouse	Dr. P. B. Kushare
3	Ahirrao Tanmay Laxman Pawar Saurabh Jagannath Pakhane Amol Ramdas Deore Shubham Shantaram	Development of Solar Dryer for Agriculture	Industry	Dr. M. N. Shelar
4	Aher Rashmi Bhausahab Deore Diksha Sachin Gaikwad Abhishek Sunil Gaikwad Athrav Sharad	Development of Hemispherical solar dryer for drying of grapes to produce raisins	Inhouse	Dr. S. D. Barahate
5	Gaikwad Ashitosh Balaji Reddy Raj Shrinivas Shinde Siddhant Eknath Sonawane Suraj Dadaji	Development of electric screw jack based on IOT application	Inhouse	Dr. S. D. Barahate
6	Gharate Mohit Deepak Patil Jayesh Paresb Patil Sanika Khanderao Shirsath Rushikesh Sunil	Experimental investigation into Battery cooling using conditioned air jets and its comparison with Tesla cooling system	Inhouse	Dr.V. S. Patil
7	Bhapkar Prathamesh Sudesh Bagul Rahul Digambar Borse Kunal Deepak Nikum Bhakti Murlidhar	Experimental investigation into the performance, emission and vibrational Characteristics of VCR CI engine usig different blends of diesel and biodiesel	Inhouse	Dr.V. S. Patil
8	Gharate Rohit Deepak Rakibe Pushkaraj Arun Jagtap Yash Bhalchandra Jadhav Rohit Kailas	Design and Development of House hold Garbage collector e-vehicle	Industry	Dr.V. K. Matsagar
9	More Sarvesh Umesh Sansare Abhishek Kaka	Development of Model of Automated Onion Plantation	Inhouse	Dr.V. K. Matsagar



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	Kandalkar Sonali Dhondu Shinde Harshali Bharat	Machine		
10	Sonawane Kiran Fakira Rampurkar Vikram Vijaykumar Patil Sujeet Sanjeev Guleri Vashitva Rohitash	Design and Development of Earth Tube Heat Exchanger	Inhouse	V. V. Khond
11	Deshmukh Atharva Sunil Dhatrak Aditya Jagannath Dhatrak Shashank Ashok Raut Shubham Nitin	Development of smart composite for Vibration control	Inhouse	V. V. Khond
12	Patil Ankit Yuvraj Bhamare Chaitanya Aaba Kshatriya Jagjeet Jagdish Mawal Aditya Jagdish	Analysis of Tubular heat Exchanger for Enhanced heat Transfer	Inhouse	S.V. Kadbhane
13	Kadam Om Sahadev Kadve Durgesh Abhiman Hatkar Vedan Ashish Patil Abhishek Sudarshan	Development of air leak testing system of metal storage tank	Industry	S.V. Kadbhane
14	Jadhav Samyak Vinod Singh Prashant Pradyumn Tonchar Rushikesh Gajanan Jadhav Dinesh Vasant	Friction and wear study of cast iron material with different texture pattern	Inhouse	A. S. Patil
15	Bhave Shreeya Mohan Warude Pavan Keshav	Development of prototype for a Compound System of magnetically actuated micro- mixer and Micro -valve for Lab On Chip device	Industry	A,S. Patil
16	Shah Parvej Arif Edke Kunal Suresh Sinha Prem Arunkumar Mahadik Yash Daulatrao	Design and Implementation of Four wheel Three mode steering system		P. B. Surwade
17	Pangavhane Shubham Sanjay Dhongade Shantanu Umesh Hire Yuvraj Pradip Kedare Pankaj Kailas	Design and Development of Stair Climber Mechanism	Inhouse	P. B. Surwade
18	Gajare Atharva Kishor Bhamare Sarvesh Nitin Kulkarni Atharva Abhay Nere Raj Sanjay	Misaligned Journal Bearing performance prediction Machine Learning Approach	Inhouse	P. S. Pillai
19	Ahire Tanushree Sudhir Ghorpade Sharvari Vijay Ahire Tanmay Prakash Dhone Rohit Kishor	Multi-fault diagnosis of anti friction bearing by vibration analysis	Inhouse	R.V. Bhandare
20	Ugale Atharva Vilas Shimpi Aryan Anilkumar Utawale Charudatta	Identification of fault in spur gearbox by using vibration analysis technique	Inhouse	R.V. Bhandare



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	Ranchhod Sagar Shubham Bhausahab			
21	Jadhav Siddhesh Hemant Jire Yash Bhalchandra	Development of four wheel steering system for ATV	Industry	M. R. Pardeshi
22	Malpure Ajinkya Pravin Gule Omkar Ramdas Mahajan Himanshu Hitendra Wagh Siddharth Pandharinath	Optimization of 3D Printing Process Parameters	Industry	M. R. Pardeshi
23	Ahirrao Shraddha Rajendra Sisodiya Gaurav Rajendra Khairnar Rohit Ambadas Barde Devendra Arjun	Design Optimization and analysis of Car with the implementation of Hybrid Bio-Composite Material	Inhouse	P. R. Rahane
24	Rajput Yashpal Bhausahab Kulkarni Chaitanya Dhananjay Kunwar Varun Kiran Shinde Prashant Bhimrao	Development of Application for Material Selection Considering Sustainability	Inhouse	P. R. Rahane
25	Jadhav Sahil Mahendra More Ayush Shamkant	Experimental Investigation regenerative Suspension System(Shock Absorber) for Electric vehicle	Industry	N. V. Patil
26	Thorat Nitin Narayan Patil Kartik Anil Chaudhari Pradyum Kailash Deshmukh Abhishek Chandraprakash	Development of Robotic Arm for pick and place	Inhouse	M. P. Panchbhai
27	Choudhary Prathamesh Pramod Sharma Khushi Pawankumar Deshpande Vedant Girish Wagh Samarth Vijay	Development of Mechanical Locking Differential for BAJA ATVs	Inhouse	M. P. Panchbhai
28	Desale Kartik Sanjay Ahire Sandesh Dipak	Development of an Air Conditioning System for Onion Cold Storage	Inhouse	S. S. Kale
29	Bhole Kunal Kumar Ahire Komal Shantaram Bhavsar Tushar Mahesh Panchal Neal Nitin	Analysis and Optimization of Phase change Material for Energy Storage in Application	Inhouse	S. S. Kale
30	Patidar Aman Mukesh Patel Purshottam Rajesh Ghodke Om Jayant	Development of Grain Transfer using vacuum based	Inhouse	A. D. Bhagure



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		System		
31	Patil Saurabh Vijaysingh Mahajan Shreya Avinash Dikkar Tanmay Rajesh Wankhede Prathamesh Sanjay	Design and Development of SPM for recycling 3-D Printing Wastages	Industry	R. D. Rakhade
32	Chavan Nayan Gorakh Yede Tushar Bapurao Sonawane Rupali Sudam Dhivare Mansi Dilip	Optimisation of AIR ROC D35SH for reliable and efficient surface mining drilling operation.	Industry	R. D. Rakhade
33	Pophaliya Uttkarsh Pradeep Kankrej Raksheet Sachin Pawar Aditya Madhukar Shete Nimish Nitin	Development of IOT based hand Gesture controlled electric wheel chair .	Inhouse	P. K. Kavale
34	Khairnar Girish Avinash Tol Aditya Mukund Niphadkar Kunal Sunil Patil Adarsh Chandrakant	Analytical study of Cooling System for Brakes of Indian railway wagon	Inhouse	P. K. Kavale
35	Banjara Bhaskar Sarichand Aher Prasad Manik Yeole Akshay Suresh Ahire Swapnil Subhash	Analysis of vehicle crash box with improve passenger safety for safe optimization	Inhouse	M. S. Sonawane
36	Kawale Divit Lalit Vispute Sahil Suresh Gaikwad Siddhesh Sharad Galande Sumit Rajendra	Development of buttery powered grass cutter	Inhouse	M. S. Sonawane
37	Jadhav Sarvesh Pramod Avhad Nitesh Dattu Mali Sahil Sachin Handore Gauri Anil	Development of Automated Transplanter for Agriculture purpose	Inhouse	R. V. Bhaskar
38	Rai Aryan Jesawada Taher Saifeebhai Bonde Harish Pramod Singh Nayan Lalsaheb	Development and conversion of Two wheeler IC engine to Hybrid Electric Vehicle	Inhouse	R. V Bhaskar
39	Pawar Vaibhavi Dinesh Pawar Kashmira Milind	Noise and Vibration analysis of Roll cage supporting 5kW motor using FFT Analyser	Inhouse	M. R. Bahiram
40	Pardeshi Tejas Prakashsing Ganore Sanket Nilesh Patil Tejas Hemant Patil Saurabh Vinod	Development of Agriculture Drone	Inhouse	M. R. Bahiram
41	Lagade Parth Prashant Pawar Sudarshan Umakant	Development of prototype of Smart Oxygen Concentrator	Inhouse	P. R. Beldar



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	Patil Vinay Sachin Sanap Sangam Sopan			
42	Bodake Amol Bhausaheb Amale Ketan Rajesh Shinde Siddhesh Ashok Kamble Rahul Ravindra	Developing an automated control dispensing system using RFID reader	Inhouse	P. R. Beldar
43	Siddique Yaseer Akhlak Turk Mohammad Ajmal Zahid Husain Maniyar Faheem Ayyub Khan Mohammad Aryan Mashkooor	Design and Development of heat exchanger for Industry	Industry	B.G. Patil
44	Shaikh Faizan Salim Sahane Sachin Dilip Shaikh Avez Ahmed Sajid Ahmed Fatke Atharva Anand	Development of Data Acquisition system for Engineering Workshop	Inhouse	S. D. Mate
45	Bagul Kaustubh Nitin Bairagi Pradnya Ravindra Bhadane Ashish Mansaram Kulkarni Tanmay Chandraprakash	Development of Machine learning Model for Total life predication	Industry	M. V. Bhadak
46	Shaikh Rumaan Rauf Khandelwal Saaranish Suresh Darade Sarvesh Maruti Sambare Satyam Sachindra	Study and Predication of Tool Wear using Machine Learning	Inhouse	M. V. Bhadak
47	Rawalgaonkar Soham Manoj Balak Nikita Gorakshnath Tungar Om Pradip Bharati Namrata Vijay	Development of MATLAB Application for contact of Rolling Bearing	Inhouse	G. R. Rayjade
48	Avhad Rushikesh Gorakh Dhepale Vijay Ravindra Pachpande Tejas Gajanan Hire Ganesh Samadhan	Development of robotic mechanism for fault detection in distribution lines	Inhouse	G.R. Rayjade
49	Dubey Satish Dharmagyan Mishra Vishwas Vedprakash Mohanpuria Rudraksh Walke Atharva Atul	Development of portable land mine detecting device	Inhouse	V. G. Galande
50	Jadhav Pruthviraj Bhausaheb Sabale Sankalp Sanjay Jadhav Siddharth Pandurang Bhagat Vaibhav Manik	Development of Entry system of Disable People in Train	Inhouse	V.G. Galande
51	Shirsath Varad Chandrakant Katkamwar Sumanth Sandeep Jadhav Manas Raju	Development of tidal energy generation system	Inhouse	B. G. Patil



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	Mahajan Chetan Devidas			
52	Thorat Digantar Supadu Sangale Atharva Pramod Sonal Kumar Singh Shinde Swayam Sanjay	Development of double Disc lapping Machine for gudgeon pin	Inhouse	B. G. Patil
53	Saifee Mohammed Shabbir Shinde Omkar Santosh Upadhyay Mukesh Santosh Kshatriya Jagjeet Jagdish	Identification of faults in centrifugal pump by vibration analysis	Inhouse	R. V. Bhandare
54	Vispute Prashant Rajendra Wakude Tushar Vaijanath Zute Tushar Mahendra Mandlik Shraddha Ratan	Design and Development of Unmanned Aerial Vehicle (UAV) for Auto Pick and Place operation	Inhouse	P. R. Beldar
55	Dharmadhikari Meehika Chandrashekhar Dive Sakshi Sanjay	Dental implant bone stress analysis	Inhouse	M. R. Bahiram
56	Mohammad Aryan M. Khan Faheem A Maniyar Mohammad Ajmal Z Turk Yaseer A. Siddique	Development of heat exchanger for Industrial Application	Inhouse	B. G. Patil



Prokore
Head,

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