

## Project List – Academic Year 2016-17

Sr. No.	Name of the student	Title of the project	Name of Guide
1	Harshit Jain	Design of Solar Powered Pump	Dr. K. N. Vijaya Kumar, Ph.D
	Ankush Jani		
	Elvis Gonsalves		
	Rutwij Ghaisas		
2	Raj Jain	Fabrication of Solar Powered Pump	Dr. K. N. Vijaya Kumar, Ph.D
	Himanshu Jain		
	Nimai Jain		
	Rishikesh Gokhale		
3	Jugal Ambasana	Design and fabrication of remote controlled motor operated vacuum cleaner with garbage bin	Dr. K. N. Vijaya Kumar, Ph.D
	Tejas Desai		
	Tanmay Joshi		
	Vinay Kapri		
4	Anant Talasikar	CFD simulation of a natural circulation system	Dr. K. N. Vijaya Kumar, Ph.D
	Ashwin Rajmohan		
	Sneh Shah		
5	Abhishek Deshmukh	Optimisation by Automation of manufacturing of Copper Lugs	Prof. Prasad Shirodkar, M.S. M.E.
	Suraj Deshmukh		
	Arvind Kumawat		
	Sherwin Mathew		
6	Siddharth Bhat	Applications of solar energy in residential and industrial sector	Prof. Prasad Shirodkar, M.S. M.E.
	Akhil Bhatt		
	Jay Bhatt		
	Karan Maniar		
7	Meherdad Kavarana	Design and manufacturing of a pothole filling and road levelling machine	Prof. Ramesh Rajguru, M.E.
	Mitesh Ladva		
	Nikhil Mahadik		
	Gurpreet Baweja		
8	Samkit Jasani	Optimization of cutting parameters for maximum tool life while performing turning of Al 6061.	Prof. Ramesh Rajguru, M.E.
	Krumil Mehta		
	Yug Jain		
	Kashyap Bhuva		
9	Faisal Mithawala	Study of machining parameters optimization in turning of hard to machine materials based on surface roughness	Prof. Ramesh Rajguru, M.E.
	Saurabh Mulgaonkar		
	Akshay Nikam		
	Mayur Panchal		
10	Aditya Mehta	Design and fabrication transmission Line of a Formula Style Racecar	Prof. Ramesh Rajguru, M.E.
	Priyank Mody		
	Ameya Munagekar		
	Biraj Parikh		

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Sr. No.	Name of the student	Title of the project	Name of Guide
11	Nimit Merchant	Study of composite manufacturing processes and fabrication and testing of various composites	Prof. Frank Crasta, M.E.
	Aarshana Parekh		
	Meet Sagar		
	Shivani Shah		
12	Abhijeet Amberkar	Fabricating and prototyping of disappearing car door	Prof. Frank Crasta, M.E.
	Sharmad Anaokar		
	Kaushik Kurkal		
	Het Mehta		
13	Yash Agiwal	Aerodynamic drag and lift prediction of an FSAE Vehicle	Prof. Vyankatesh Bagal, M.E.
	Ardashir Bulsara		
	Dhruvil Lakhani		
14	Mohammad Azim Parkar	Research and Optimisation of Engine Cooling System of an FSAE Vehicle	Prof. Vyankatesh Bagal, M.E.
	Akshay Mokashe		
	Ameya Atre		
15	Hanish Parekh	Designing and prototyping of small scale wind turbine	Prof. Vyankatesh Bagal, M.E.
	Siddhesh Rajput		
	Tasavar Mehdi Sayyed		
	Manthan Shah		
16	Deep Mehta	Solving vibration issues of a cooling water pump	Prof. Prashant Patankar, M.E.
	Mohit Chotai		
	Kunal Deliwala		
	Dhanvin Dhonde		
17	Pratik Shetty	Design, manufacturing and testing of an impact attenuator	Prof. Prashant Patankar, M.E.
	Darshan Patel		
	Aashay Mehta		
	Harsh Shah		
18	Suraj Amin	Designing, simulation and prototyping of a rotary car parking system	Prof. Rajnarayan Yadav, M.E.
	Salil Gavankar		
	Sanjay Kumar		
19	Rishi Doshi	Design and fabrication of vehicle passing control system	Prof. Rajnarayan Yadav, M.E.
	Anish Gandhi		
	Dhruv Mehta		
20	Ankit Parikh	Prototyping of power generating system using gravity and buoyancy	Prof. Rajnarayan Yadav, M.E.
	Prem Prajapati		
	Siddhant Rao		
	Rohan Shetty		
21	Ashit Poojari	Design and Analysis of Pressure Vessels	Prof. Rajnarayan Yadav, M.E.
	Ninad Palsuledesai		
	Saneep Jain		
	Suneet Naik		
22	Hritvik Thakor		

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Sr. No.	Name of the student	Title of the project	Name of Guide
	Mayank Sharma	Design of three tyre 100cc petrol powered all-terrain vehicle	Prof. Dhaval Birajdar, M.E.
23	Mokshay Sadhwani	Manufacturing of three tyre 100cc petrol powered all-terrain vehicle	Prof. Dhaval Birajdar, M.E.
	Jemeen Sanghvi		
	Maaz Shaikh		
24	Gaurav Prasad	Design and fabrication of steam engine run on steam generated using Fresnel lens, to generate low cost energy	Prof. Dhaval Birajdar, M.E.
	Ritesh Sindhu		
	Ali Tharani		
	Shravan Shetty		
25	Jay vyas	Fabrication of a multipurpose air cooler	Prof. Dhaval Birajdar, M.E.
	Chintan soni		
	Karan agrawal		
	Calvin D'costa		
26	Shantanu Baviskar	Measurement of mass flow rate of a fluid at a pipe bend using principle of conservation of momentum with the help of force sensors	Prof. Vinit Katira, M.Tech
	Jay Malaney		
	Pritish Mitai		
	Yash Meswani		
27	Janam Sanghavi	Engine Management System and optimization of Intake and Exhaust System of a Formula styled car	Prof. Vinit Katira, M.Tech
	Vinay Panchal		
	Asim Rahimatpure		
	Siddhant Uchil		
28	Amey Patel	Automated removal of Burnished surface on Deep Drawn blanks	Prof. Vinit Katira, M.Tech
	Saqib Patwegar		
	Chaitanya Sonawala		
	Devarsh Sanghvi		
29	Tejas Dagha	Optimization of energy consumption of a cold storage room	Prof. Shreya Kadawadkar, M.E.
	Trupen Gohil		
	Abhishek More		
30	Yash Agarwal	Developing a mechanically controlled washing machine	Prof. Pavan Rayar, M.E.
	Dhanish Desai		
	Aditya Dholakia		
	Vivek Bhogra		
31	Rahul Arethiya	Designing and manufacturing semi-automatic weighing, filling and packaging machine	Prof. Pavan Rayar, M.E.
	Siddharth Awana		
	Devanshu Chokhani		
	Abhishek Hegde		
32	Jignesh Bhosale	Design and Analysis of aerofoils for efficiency at low speed conditions	Prof. Pavan Rayar, M.E.
	Amrit Jalan		
	Hardik Mehta		
	Abhishek Mishra		

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33	Dhananjay Powar	Design And fabrication Of Effort Less Bicycle	Prof. Pavan Rayar, M.E.
	Yagniv Surani		
	Harshraj Surve		
	Varun Van		
34	Rajat Patil	Prototyping of an under Water Surveillance Vehicle	Prof. Rohit Chaurasia, M.E.
	Darshan Suthar		
	Sarang Vakharia		
	Happin Patel		
35	Manan Mathukia	Optimization of boiler efficiency	Prof. Rohit Chaurasia, M.E.
	Keyur Mehta		
	Karan K Maniar		
36	Mitul Shah	Design, optimisation and analysis of helical coil spring.	Prof. Rohit Chaurasia, M.E.
	Parth Shah		
	Rutvik Patel		
	Sanket Sheth		
37	Prashant Patel	Design and fabrication of an eddy current braking system	Prof. Rohit Chaurasia, M.E.
	Dharmil Sanghavi		
	Karan Shah		
	Khushbu Shah		
38	Mihir Bhojani	Designing and fabrication of mechanical combination braking system of a car	Prof. Karthik Ajugia, M.E.
	Pranav Kadam		
	Karan Patel		
	Dixit Vyas		
39	Keyur Solanki	Design and Fabrication of 360 degree Windmill	Prof. Karthik Ajugia, M.E.
	Karan Shah		
	Abhishek Shukla		
	Aniket Singh		
40	Sagar Padhiyar	Conversion Of Solar Energy Into Electrical Energy Using Stirling Engine	Prof. Karthik Ajugia, M.E.
	Vishal Parmar		
	Hiren Patel		
	Saurabh Poojary		