

Project List – Academic Year 2015-16

Sr. No.	Name of the student	Title of the project	Name of Guide
1	Sanket Desai	Design of a Solar powered car	Dr. K. N. Vijaya Kumar, Ph.D
	Mihir Hirpara		
	Kush Gandhi		
	Aditya Lele		
2	Vishal Kothari	Fabrication of a Solar powered car	Dr. K. N. Vijaya Kumar, Ph.D
	Chaitanya Gokhale		
	Parth Chatwani		
	Utkarsh Mehta		
3	Raj Dave	Design, analysis and manufacturing of a FSAE car chassis	Dr. K. N. Vijaya Kumar, Ph.D
	Arjun Dhall		
	Nehal Doshi		
	Daniel Fernandes		
4	Rahil Sheth	Product design and development for audio visual assistance of mobile/tablet	Dr. K. N. Vijaya Kumar, Ph.D
	Sohil Shah		
	Yash Panchal		
	Raj Vaidya		
5	Mohit Mehta	Value recovery of end used products	Prof. Prasad Shirodkar, M.S. M.E
	Mohd.Azhar Merchant		
	Nissar Kotadia		
	Tejas Mulky		
6	Suril Desai	Design and optimization of the transmission system in a formula type race car	Prof. Vinit Katira, M.Tech
	Dweep Barot		
	Shreya Chopra		
	Nakul Dave		
7	Akash Agrawal	Use of Carbon Fiber as an alternative material for FSAE car's control arms	Prof. Ramesh Rajguru, M.E.
	Narendran Bhaskar		
	Gaurav Iyer		
	Karan Khanna		
8	Devesh Singh	Material optimization of automotive shock absorbers	Prof. Ramesh Rajguru, M.E.
	Chirag Pandya		
	Tejas Shah		
	Tejas Rane		
9	Kalpesh Tank		

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	Aman Tukrel	Optimization of force components and surface roughness parameters during CNC turning of GFRP	Prof. Ramesh Rajguru, M.E.
	Gaurang Panchal		
	Nishit Shetty		
10	Shyam Ramakrishnan	Experimental investigation and FEA analysis on the machining parameters of GFRP composite	Prof. Ramesh Rajguru, M.E.
	Mandar Rao		
	Bhavik Shah		
	Rushabh Shah		
11	Jay Shah	Application of resonance in designing and manufacturing a musical instrument	Prof. Frank Crasta, M.E.
	Saumil Shah		
	Malay Shah		
	Vivek Shah		
12	Udit Mehta	Designing and prototyping a Pick and Place Robot with Vacuum Power	Prof. Frank Crasta, M.E.
	Raj Avlani		
	Rushabh Jasani		
	Gaurang Sonpal		
13	Smit Panchal	Design & Analysis of Electro-Magnetic Engine	Prof. Frank Crasta, M.E.
	Mihir Parab		
	Harshad Rai		
	Nikhil Pillai		
14	Janak Bhavsar	Study of enhancement of the functionality of appliances by deploying various sensors	Prof. Frank Crasta, M.E.
	Kushal Doshi		
	Charlene Dsouza		
	Himanshu Jobanputra		
15	Sanjiv Valsan	Design and development of electronic button gear shifting on formula student car and engine tuning for performance enhancement	Prof. Vyankatesh Bagal, M.E.
	Vivek Shah		
	Sarthak Shah		
	Ronit Patil		
16	Kartik shah	Improving the aerodynamic performance of an airfoil by fusing different airfoil configurations	Prof. Vyankatesh Bagal, M.E.
	Akshay Singh		
	Vivek Yadav		
	Jainul kabra		
17	Nitin Naresh Parab	Prototyping of an unmanned ground vehicle	Prof. Vyankatesh Bagal, M.E.
	Hamza Shabbir Saiger		
	Rahil Yunus Malik		
	Arpit Jignesh Desai		
18	Ashwini Amin		

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	Suchi Bhaya	Design of intake and exhaust system for FSAE vehicle	Prof. Vyankatesh Bagal, M.E.
	Jai Mehta		
19	Harsh shah	Designing and prototyping of a hovercraft floor sweeper	Prof. Rajnarayan Yadav, M.E.
	Harsh Patel		
	Kishan Patel		
	Jenil Mahetalia		
20	Kush Shah	Designing and Prototyping of a Semi-automated Plastering Machine	Prof. Rajnarayan Yadav, M.E.
	Vishal Shanbhag		
	Yash Shah		
21	Shridhar Shenoy	Design of cryogenic tanks for storage of LNG and liquid ethane	Prof. Rajnarayan Yadav, M.E.
	Yash Rana		
	Rushabh Sadiwala		
	Rohit Yadav		
22	Varun Padia	Fabrication of Frictionless brakes based on the principle of Eddy Currents	Prof. Rajnarayan Yadav, M.E.
	Manan Shah		
	Aayush Gupta		
	Aditya Gupta		
23	Krenil Doshi	Design and fabrication of a prototype of mechanical crawler	Prof. Prashant Patankar, M.E.
	Shrey Shah		
	Tirth Shah		
	Tushar Nayak		
24	Mitul Pala	Design and Manufacturing of Automated Trolley for Material Handling	Prof. Prashant Patankar, M.E.
	Sagar Belose		
	Jay Panchal		
	Viral Panchal		
25	Sahil Dadia	Prototyping Autonomous Drone With Remote Capabilities	Prof. Prashant Patankar, M.E.
	Avinash Nair		
	Bhushan Munde		
	Jigar Adia		
26	Sarvesh Nayak	Designing and prototyping of a portable cooler/heater	Prof. Prashant Patankar, M.E.
	Jigar Gosar		
	Vipul Panchal		
27	Karan Sheth	Designing and prototyping of a fire fighting quadcopter	Prof. Shreya Kadwadkar, B.E.
	Kushal Shah		
	Aditya Shah		
	Jeet Ranawat		
28	Girish Kukreja		

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Sr. No.	Name of the student	Title of the project	Name of Guide
	Aditya Mehta	Design and fabrication of Transportation Systems using Superconductors (Meissner Effect)	Prof. Shreya Kadwadkar, B.E.
	Nirmit Mehta		
	Parikshit Mody		
29	Hrishikesh Karekar	Designing and prototyping of a control system for solar powered automated windshield wiper system	Prof. Shreya Kadwadkar, B.E.
	Anish Parulekar		
	Chaitanya Phanse		
	Namit Rathi		
30	Zubin Hathiari	Study and modelling of an automated car parking system and exploring its applications in metropolitan cities	Prof. Shreya Kadwadkar, B.E.
	Jeet Ved		
	Tushar Awari		
	Mayank Kadam		
31	Swapnil Desai	Design and manufacturing of a steering system for FSAE car	Prof. Dhaval Birajdar, M.E.
	Anurag Deherkar		
	Darsh Desai		
	Aman Patel		
32	Punit Sanghavi	Fabrication of Energy Generation Mechanism using Gravitational Force	Prof. Dhaval Birajdar, M.E.
	Raj Hemani		
	Rohan Gangar		
	Sandeep Mistry		
33	Smeet Panchal	Investigations On Manufacturing Processes Of Shell And Tube Heat Exchanger	Prof. Dhaval Birajdar, M.E
	Aditya Patankar		
	Devendra Patel		
	Varun Thaker		
34	Shriyash Haryan	Design of Power Generation system using gym equipment	Prof. Dhaval Birajdar, M.E
	Samir Fatavat		
	Avinash Jha		
	Aakash Luharpanchal		
35	Subin Shetty	Design, analysis and weight optimization of suspension system of an off-road vehicle	Prof. Vinit Katira, M.Tech
	Sampat Shetty		
	Ishan Patel		
	Akshay Vadakkaevila		
36	Dhruv Oza	Analysis and application of Thermo-electrics phenomena for cooling and heating	Prof. Vinit Katira, M.Tech
	Nikhil Kadway		
	Pranoti Patkar		
	Swapnil Salvi		
37	Saumil Bhatt		

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Sr. No.	Name of the student	Title of the project	Name of Guide
	Sumit Chindarkar	Simulating Solar-Powered, Liquid-Desiccant Air Conditioner	Prof. Vinit Katira, M.Tech
	Jeet Japadia		
	Bharat Kumar		