

Project List – Academic Year 2017-18

Sr. No.	Name of the student	Title of the project	Name of Guide
1	Tanay Rao	Design and Fabrication of a single seater electric-petrol hybrid kart	Dr. K. N. Vijaya Kumar
	Jay Sanghrajka		
	Shreyans Sethia		
	Yash Mehta		
2	Darshit Parekh	Factory optimization and productivity improvement of an ice-cream manufacturing unit	Dr. K. N. Vijaya Kumar
	Rushabh Patani		
	Jinit Shah		
	Prateek Shah		
3	Bhargav Chinoy	Productivity enhancement using quality tools in the manufacturing Industry	Dr. K. N. Vijaya Kumar
	Amit Mehta		
	Vineeta Pendse		
	Anurag Rao		
4	Urvashi Sabalpara	Design and manufacturing of sea oil skimmer	Prof. Prasad Shirodkar
	Sonal Jagdale		
	Akshay Shinde		
	Sheetal Kumawat		
5	Vatsal Dedhia	Design and fabrication of mechanical wire descaler	Prof. Prasad Shirodkar
	Viraj Bhimjyani		
	Zeeshan Gilani		
	Jarvis Mendes		
6	Arun Alva	Optimization of cutting parameters on surface roughness for end milling of Inconel - 825	Prof. Ramesh Rajguru
	Devdatt Bhurke		
	Geet Dave		
	Vinil Punjani		
7	Moeiz Shaikh	Experimental investigation on surface roughness when turning Inconel – 625 using coated cutting tool	Prof. Ramesh Rajguru
	Abdul Ahad Kazi Ismail		
	Mihir Wadhel		
	Arsalan Shaikh		
8	Karan Nigudkar	Design and fabrication of a gear reduction system to produce electricity from gravity	Prof. Ramesh Rajguru
	Yashesh Pandya		
	Pranay Shah		
	Urvil Shah		
9	Rishabh Nadkarni		Prof. Frank Crasta

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	Benjamin Samuel	Design and prototyping of a manual and mechanized variable ratio multipurpose machine shop tool	
	Chaitanya Sawant		
	Sumedh Shahane		
10	Nishil Waghela.	Mechanization of feed system	Prof. Frank Crasta
	Parag Borkar		
	Shrutika Patil.		
	Mithil Upadhyay		
11	Avni Mehta	Designing and improvising HVAC system for a commercial building	Prof. Frank Crasta
	Karan Patel		
	Shamir Talkar		
	Kush Trivedi		
12	Jay Mehta	Methods for heat transfer augmentation using surface modifications on extended surfaces	Prof. Vyankatesh Bagal
	Fay Colah		
	Kevin Ajmera		
13	Sarvesh Kanetkar	Design and fabrication of vertical axis wind turbine using Maglev principle	Prof. Vyankatesh Bagal
	Shubham Karhadkar		
	Neel Pawar		
	Hardik Mistry		
14	Vatsal Parikh	Design and Fabrication of an aerofoil to enhance the cornering stability of an automobile	Prof. Vyankatesh Bagal
	Nisarg Patel		
	Chaitanya Tambe		
15	Charoliya Ahmed	Design and fabrication of mechanism for generating electricity from speed breaker	Prof. Prashant Patankar
	Vatsal Desai		
	Reuben D'souza		
16	Ankit Jain	Design and analysis of suspension using a Magnetic Rheological fluid	Prof. Prashant Patankar
	Kushal Mistry		
	Mihir Patel		
	Viren Shah		
17	Smith Shah	Design and manufacturing of Steering system of Formula Student Car	Prof. Prashant Patankar
	Hardik Satam		
	Akash Singh		
	Jainam Shah		
18	Purav Bhutta		Prof. Rajnarayan Yadav
	Jason Fernandes		

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	Aayush Mohta	Design and manufacturing of a variable pedal ratio brake system for a BAJA vehicle	
	Ashish Rai		
19	Parshva Mehta	Design, analysis and manufacturing of an aerodynamic device for FSAE car	Prof. Rajnarayan Yadav
	Harshil Mody		
	Ruchit Doshi		
	Shakshi Himmatramka		
20	Atharva Narkar	Design, analysis and fabrication of cooling tower using non-conventional energy resource	Prof. Dhaval Birajdar
	Armaan Valjee		
	Balkar Singh Manny		
	Rushikesh Yadav		
21	Nikunj Waghasiya	Process improvement in switchgear product	Prof. Dhaval Birajdar
	Vikram Modi		
	Jeel Sutaria		
22	Yash Shah	Design and fabrication of vortex tube	Prof. Dhaval Birajdar
	Rushi Mehta		
	Satyajeet Khopkar		
	Pratik Borkar		
23	Akagra Gupta	Design of a test facility for simulation of containment thermal hydraulics	Prof. Vinit Katira
	Neetishwar Jha		
	Tanmay Pagdhare		
24	Dhanesh More	Optimization of suspension wishbone by use of carbon fibre reinforced plastic for Formula Student car	Prof. Vinit Katira
	Mohammad Sharjil Deshmukh		
	Bhavyesh Kantaria		
	Mohammadally Arsiwala		
25	Chaitanya Jog	Prototyping of a solar powered cup filling machine	Prof. Rohit Chaurasia
	Vishwas Makwana		
	Jeet Maniar		
26	Abhishek Gupta	Design and manufacturing of a vacuum fryer	Prof. Pavan Rayar
	Amit Choudhary		
	Taha Kadka		
	Pratik Koli		
27	Harsh Kasundra	Design and analysis of a fast linear traversing system	Prof. Bronin Cyriac
	Prasad Khamkar		

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	Gaurav Mhatre		
	Nihil Joshi		
28	Mayur Raghvani	Optimization of cooling and feeding system in a plastic injection moulding machine	Prof. Bronin Cyriac
	Rohan Sharma		
	Amit Thummar		
29	Omkar Parkar	Designing and prototyping of wing flapping mechanism	Prof. Bronin Cyriac
	Harshit Paliwal		
	Rahul Pathak		
	Harsh Shah		
30	Saurabh Mundle	Design and Optimization of Fixtures for Shell Fabrication of Pressure Vessel	Prof. Gregory Mathew
	Omkar Rane		
	Sanket Savani		
	Anuj Varier		
31	Hitesh Deriya	Prototyping of a food Processing Unit and Vending machine	Prof. Gregory Mathew
	Saurabh Jain		
	Arush Gandhi		
	Purendru Tiwari		
32	Shivam Mistry	Designing and testing of a formula car braking system	Prof. Gregory Mathew
	Pratik Jain		
	Saurabh Kokil		
	Vishwam Sanghvi		
33	Shubham Turakhia	Design and CFD Analysis of Jet Engine	Prof. Karthik Ajugia
	Balagopal Unnikrishnan		
	Vatsal Chawda		
	Romit vyas		
34	Pratik Tolani	Utilization of waste heat from a thermal system to produce power using a turbine driven by a volatile fluid	Prof. Karthik Ajugia
	Niket Sura		
	Krishna Trivedi		
	Aditya Yeole		
35	Varun Tolia	Compare the mal distribution in the inlet header of SHTX using different nozzle position experimentally and numerically	Prof. Karthik Ajugia
	Maithil Naik		
	Harsh Shah		
36	Harsh Sobhashana		Prof. Shashikant Auti
	Zubin Soni		

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	Harsh Vora	Production and Recyclability of a hybrid - human powered - 3 wheeled electric vehicle	
37	Arpit Patel	Design, Analysis, Fabrication, and testing of Chassis of a hybrid - human powered - 3 wheeled electric vehicle	Prof. Shashikant Auti
	Vaibhav Shah		
	Vatsal Shah		
	Mayur Vala		
38	Mansoor Raja	Vehicle Dynamics and Performance optimization of a hybrid - human powered - 3 wheeled electric vehicle	Prof. Shashikant Auti
	Varun Sampat		
	Rushi Vyas		