

Project List – Academic Year 2019-20

Sr. No.	Name of the student	Title of the project	Internal Guide
1	Vinayak Joshi	Prototyping of a mechanical kinetic energy recovery system	Dr. K. N. Vijaya Kumar, Ph.D
	Tirth Dangarwala		
	Hermish Gandhi		
2	Parth Kothari	Design and fabrication of power accumulation mechanism using renewable tidal energy	Dr. K. N. Vijaya Kumar, Ph.D
	Shekhar Devkar		
	Bhavya Kochar		
	Yash Mahajan		
3	Dhairya Vora	Design and fabrication of an Auto-umbrella	Dr. K. N. Vijaya Kumar, Ph.D
	Nimisha Makwana		
	Vipul Patel		
	Karankumar Shah		
4	Pratik Bhagat	Cooling enhancement of an electric bike BLDC motor by the implementation of a cooling system.	Dr. K. N. Vijaya Kumar, Ph.D
	Ganesh Chavan		
	Sairaj Gurav		
	Sachin Kshirsagar		
5	Deep Bhatia	Design and fabrication of a solar powered electric beach cleaner	Dr. Satish Taklikar, Ph.D
	Ishan Mamadapur		
	Arzan Mehta		
	Vishal Mehta		
6	Jash Patel	Design and prototyping of multi-purpose shopfloor vice	Dr. Vinayak Khatwate, Ph.D
	Jay Shah		
	Mili Shah		
	Monil Shah		
7	Shivam Khatri	NDT of pipes and frame using robotics	Dr. Vinayak Khatwate, Ph.D
	Prince Bhamra		
	Meet Dhanki		
	Zenith Bhatt		
8	Omesh Shah	Designing and Fabrication of Shockpots for Road Quality Analysis	Dr. Vinayak Khatwate, Ph.D
	Shams Siddiqui		
	Aditya Singh		
	Aditya Tiwari		
9	Neel Sanghvi	Effect of tool geometry on machinability of Inconel 825	Prof. Ramesh Rajguru, M.E.
	Kamal Trivedi		
	Herin Savla		
	Jaival Shah		
10	Sahil Jagda	Power generation using Piezo-electric crystals and gear transmission	Prof. Ramesh Rajguru, M.E.
	Darshit Khuthiya		
	Rishi Kothari		

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	Jay Kothari		
11	Rohan Poojari	Design and fabrication of a modified beach cleaning machine	Prof. Frank Crasta, M.E.
	Siddhi Solanki		
	Riddhi Soman		
	Nimesh Solanki		
12	Pinak Malnika	Moving Vehicle Wind Energy conversion using Verticle Wind Turbine	Prof. Frank Crasta, M.E.
	Parth Malkan		
	Mithil Hemani		
	Chirag Lamba		
13	Deep Shah	Design and manufcaturing of a paper bag making machine	Prof. Frank Crasta, M.E.
	Rajan Ramoliya		
	Harshal popat		
	Neelkumar Shah		
14	Sreenath Srinivasan	Design and fabrication of jig fortube notching on lathe machine	Prof. Frank Crasta, M.E.
	Swapnil Choudhury		
	Keyur Joshi		
	Dharmesh Mewada		
15	Shravani Salunke	Design and fabrication of recycling machine for plastic waste	Prof. Vyankatesh Bagal, M.E.
	Gaurav Shukla		
	Rishikesh Patil		
	Devanshi Nathwani		
16	Chaitanya Shah	Design and fabrication of disc braking system with Dual piston floating caliper	Prof. Rajnarayan Yadav, M.E.
	Karan Shah		
	Vaibhav Shah		
	Ujwal Sutaria		
17	Abhishek Gupta	Design and fabrication of a structural balancing system using Gyroscope.	Prof. Rajnarayan Yadav, M.E.
	Murtaza Gheewala		
	Kapil Inamdar		
	Abhijeet Ambesange		
18	Deval Patel	Design and fabrication of Exo-skeleton	Prof. Rajnarayan Yadav, M.E.
	Hitesh Sisodia		
	Danish Sunsara		
	Sahil Thonse		
19	Parvez Shaikh	Design and Optimisation of an Accumulator Container for an Electric Vehicle	Prof. Dhaval Birajdar, M.E.
	Harshal Mehta		
	Raunak Bhanushali		
	Jobin Abraham V Robichan		
20	Aakash Gohil	Design and fabrication of a thermo-electric refrigerator	Prof. Dhaval Birajdar, M.E.
	Tanmay Patil		
	Tanish Jhaveri		
21	Niket Pathak		

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	Suvajit Paul	Design of low cost refrigeration system using LPG	Prof. Vinit Katira, M.Tech.
	Viraj Shah		
	Sahil Tajne		
22	Jaykumar Patel	Design and manufacturing of 3D printer prototype	Prof. Vinit Katira, M.Tech.
	Jatesh Parikh		
	Prasad Thorat		
	Harangad Singh Uppal		
23	Natasha Mehta	Design of autonomous underwater vehicle (AUV)	Prof. Rohit Chaurasia, M.E.
	Saurab Rasal		
	Parth Raval		
	Mayuri Vaidya		
24	Rushabh Mehta	Fabrication of Autonomous Underwater Vehicle [AUV]	Prof. Rohit Chaurasia, M.E.
	Chintan Doshi		
	Dhrumil Mehta		
	Apurva Kapadia		
25	Ashish kamat	Prototyping of electromagnetic suspension	Prof. Rohit Chaurasia, M.E.
	Deep Kotian		
	Harsh Dedhia		
	Vishal Barot		
26	Kunal Dalal	Design And Optimization of Disc Brake Rotor	Prof. Gregory Mathew, M.E.
	Godwin Dbritto		
	Jemit Dave		
	Gulammoin Kasmani		
27	Harsh Niphadkar	Fabrication of hand operated seed (wheat) drill	Prof. Gregory Mathew, M.E.
	Hiral Patel		
	Nachiket Patel		
	Chirag Singal		
28	Prathamesh Indulkar	Design and fabrication of a compliant mechanism	Prof. Gregory Mathew, M.E.
	Elroy Menezes		
	Jay Mistry		
	Sabikabee Kazi		
29	Dinesh Papal	Design, analysis and fabrication of Kangaroo boots with GPS tracking	Prof. Karthik Ajugia, M.E.
	Mihir Sanghvi		
	Hamza Neemuchwala		
	Md.Hussain Thekiya		
30	Rohin Mathew	Conversion of a conventional 150cc two wheeler into e bike	Prof. Karthik Ajugia, M.E.
	Harshvardhan Pandya		
	Shubham Pandya		
	Aagam Shah		
31	Shreyans Vasa	Prototyping of a Sky Saver	Prof. Karthik Ajugia, M.E.
	Dhairya Desai		

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	Jash Kamdar		
	Jay Patel		
32	Urvi Joshi	Recycling of a 4 wheeler vehicle	Prof. Shashikant Auti, M.E.
	Sejal Sanghvi		
	Siddharth Sarma		
	Ayush Sakhseria		
33	Adit Vador	Recycling of two wheeler	Prof. Shashikant Auti, M.E.
	Dikshit Darji		
	Rahul Babaria		
	Arpit panchal		
34	Asmita Gaikwad	Investigation on Tire Derived Oil and Testing on CI Engine	Prof. Shashikant Auti, M.E.
	Jinesh Sheth		
	Prakriti Tulasyan		
	Purnima Bagwe		
35	Yashkumar Mistry	Design and fabrication of additive manufacturing with laser engraving machine	Prof. Dhananjay Shukla, M.Tech.
	Mayur Bakde		
	Suraj Injal		
	Gaurav Patil		
36	Danish Bhatkar	Application of Rocker Bogie mechanism	Prof. Dhananjay Shukla, M.Tech.
	Siddhant Ahuja		
	Soham Chindarkar		
	Advait Kulkarni		