

Sr.No	Dept.	Title of Design	Inventor(s)	Year of Acceptance	Acceptance Date	Design No.
1	Dept. of Mechanical Engineering	"Accessory for Two Wheelers"	Dr. Dhananjay V Bhatt Mr. Pritesh A Bhatia	2011	18.03.2011	230210
2	Dept. of Mechanical Engineering	"Cooking Stove Flame Shield "	Dr. S A Channiwala Mr. Pankaj P Gohil	2012	04.05.2012	241354
3	Dept. of Mechanical Engineering	"Flame Quencher for Hydrogen Combustion"	Dr. S A Channiwala Dr. Digvijay Kulshreshtha	2013	29.01.2013	246456
4	Dept. of Mechanical Engineering	"Atomiser for Combustion"	Dr. S A Channiwala Dr. Digvijay Kulshreshtha Mr. Saurabh Dikshit	2013	22.02.2013	246457
5	Dept. of Mechanical Engineering	"Modified Angular Momentum method for Designing a Volute for Centrifugal Fans and Blowers"	Dr. S A Channiwala Dr. Beena D Baloni	2015	15.09.2015	268337
6	Dept. of Mechanical Engineering	"Volute for Gas Turbine Application"	Dr. S A Channiwala Mr. Samip P Shah Dr. Digvijay Kulshreshtha	2018	03.12.2018	280574
7	Dept. of Mechanical Engineering	"Twin Entry Volute for Gas Turbine Applications"	Dr. S A Channiwala Mr. Samip P Shah Dr. Digvijay Kulshreshtha	2019	30.01.2019	280877
8	Dept. of Mechanical Engineering	"Stacked minichannel heat sink"	Dr. Hemantkumar B Mehta Mr. Nirav Kumar M Patel	2019	12.07.2019	303545
9	Dept. of Mechanical Engineering	"Two fluid double well type u tube manometer"	Dr. S A Channiwala Mr. Parth Dilipkumar Shah Mr. Taha Yunus Poonawala Mr. Hardikkumar B Modh	2019	09.07.2019	319489-001
11	Dept. of Civil Engineering	"COMPOSTER"	Mr. Dayanand Sharma Dr. Kunwar Durg Vijaysingh Yadav	2020	24.09.2020	300440
12	Dept. of Civil Engineering	"Dry Leaves Cutting Machine"	Mr. Dayanand Sharma Dr. Kunwar Durg Vijaysingh Yadav	2020	16.11.2020	320230-001
13	Dept. of Civil Engineering	"Artificial Fiber with Knot for Reinforcement of Concrete"	Mr. Sudhir B Gayake Dr. Atul K Desai	2020	26.10.2020	326012-001
10	Dept. of Civil Engineering	"Sediment Trap"	Dr. Timbadiya Prafulkumar Vasharambhai Dr. Patel Prem Lal Mr. Patel Shaileshkumar Bhikhabhai	2020	16.11.2020	328731-001
14	Dept. of Civil Engineering	"Flower Waste Pulveriser"	Dr. Kunwar Durg Vijaysingh Yadav Mr. Rajnikant Prasad	2020	27.11.2020	334122-001
15	Dept. of Mechanical Engineering	"Wind Turbine Blade"	Dr. Beena D. Baloni Mr. Neeraj Verma Dr. S A Channiwala Mr. Naresh Kedam	2020	27.11.2020	334553-001
16	Dept. of Mechanical Engineering	"Thermal Cycler For Phase Change Materials (PCM)"	Dr. Manish K Rathod	2021	20.04.2021	320329-001
17	Dept. of Mechanical Engineering	"PCM Integrated Solar Still with Water Sprinkler Arrangement"	Dr. Manish K Rathod Mr. Varun V Joshi	2021	20.04.2021	323395-001
18	Dept. of Mechanical Engineering	"Agriculture Monitoring Drone with Land Traversing Feature"	Dr. Harshit K Dave Mr. Aniruddh Manoj Mr. Samarth Shah Mr. Krunal N Patel Mr. Abhishek Niraj Desai Mr. Ashish R Prajapati Mr. Nitin Sonker	2021	04.06.2021	330201-001
19	Dept. of Civil Engineering	"Flower Waste Composter"	Dr. Kunwar Durg Vijaysingh Yadav Mr. Rajnikant Prasad	2021	09.06.2021	331236-001
20	Dept. of Mechanical Engineering	"Pin Finned Embedded Stepped Minichannel Heat Sink"	Dr. Hemantkumar B Mehta Mr. Nishant M Shah Dr. Jyotirmay Banerjee	2021	13.05.2021	332649-001

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21	Dept. of Mechanical Engineering	"Stepped Variable Channel Width Minichannel Heat Sink"	Dr. Hemantkumar B Mehta Mr. Nishant M Shah Dr. Jyotirmay Banerjee	2021	21.04.2021	332650-001
22	Dept. of Mechanical Engineering	"Design a Novel Fixture for Shear Testing of Sandwich Structures on Universal Testing Machine"	Mr. Swapnil Vyavhare Mr. Soham Teraiya Dr. Shailendrakumar	2021	01.04.2021	332670-001
23	Dept. of Electronics Engineering	"Microwave Sensor Based Soil Analyzer"	Dr. Piyush N Patel Mr. Paresh Sagar	2021	14.07.2021	333573-001
24	Dept. of Electronics Engineering	"Antenna Sensor for Detection of Knee Effusion"	Dr. Piyush N Patel Mr. Arpan H Shah	2021	16.06.2021	333662-001
25	Dept. of Electronics Engineering	"Waveguide for Fusion Plasma Diagnostic"	Dr. Piyush N Patel Mr. Hirenkumar V Dhuda Dr. Hiteshkumar B Pandya	2021	28.07.2021	334362-001
26	Dept. of Civil Engineering	"Rotatory Composter for Organic Waste"	Dr. Kunwar Durg Vijaysingh Yadav Mr. Sandeep Kumar Mishra Mr. Rajnikant Prasad	2021	02.02.2021	336824-001
27	Dept. of Mechanical Engineering	"Developing a Non Contact Type Robot Which Works to Detect Faults in Vertical Pipe System"	Dr. Harshit K Dave Mr. Pratham Choukse Mr. Neel Majethiya Mr. Amit Kumar Panigrahi Mr. Dheerendra Prajapati Mr Dasadia Kush Dilipbhai	2021	05.03.2021	337173-001
28	Dept. of Civil Engineering	"Construction Fastener"	Dr. Yogesh Deoram Patil Mr. Rahul Tarachand Pardeshi	2021	21.01.2021	339870-001
29	Dept. of Civil Engineering	"Construction Fastener"	Dr. Yogesh Deoram Patil Mr. Rahul Tarachand Pardeshi	2021	23.11.2021	339872-001
30	Dept. of Civil Engineering	"Construction Fastener"	Dr. Yogesh Deoram Patil Mr. Rahul Tarachand Pardeshi	2021	29.10.2021	339873-001
31	Dept. of Mechanical Engineering	"Cryogenic Pulsating Heat Pipe with Cylindrical Shell type Condenser"	Dr. Hemantkumar B Mehta Mr. Kalpak Sagar Dr. H B Naik	2021	30.06.2021	343124-001
32	Dept. of Chemical Engineering	"Vessel for Simultaneous Pretreatment and Separation of Bioactive Components from Plant Material"	Dr. Meghal A Desai Dr. Jigisha K Parikh Mr. Krishna P Solanki	2021	05.07.2021	343361-001
33	Dept. of Mechanical Engineering	"Lower Limb Exoskeleton"	Dr. Harshit K Dave Mr. Param V Bhavsar Mr. Manan K Gohil Mr. Harshit A Kakadiya Mr. Sunny Bagde Mr. Pratik Patel	2021	08.07.2021	343881-001
34	Dept. of Mechanical Engineering	"Fin and Tube Heat Exchanger with Trapezoidal Notch Type Vortex Generator"	Mr. Ashishkumar J Modi Dr. Manish K Rathod	2021	30.06.2021	343882-001
35	Dept. of Mechanical Engineering	"Autonomous Quadruped Robot"	Dr. Harshit K Dave Mr. Prashant S Wajirgave Mr. Jimitkumar J Patel Mr. Kushal M Koshti Mr. Aman Gupta Mr. Yash Kalal	2021	20.08.2021	344242-001
36	Dept. of Electronics Engineering	"Metamaterial Based Sensor Device for Material Characterizations"	Dr. Piyush N Patel Mr. Paresh Sagar	2021	26.07.2021	344476-001
37	Dept. of Mechanical Engineering	"Unmanned Cargo Aircraft"	Dr. Hemantkumar B Mehta Mr. Anup Kamath and 15 others	2021	02.08.2021	344532-001
38	Dept. of Civil Engineering	"X-Braced Seismic Expansion Joint"	Dr. Gaurang Vesmawala Mrs. Neha G Vesmawala	2021	28.07.2021	344699-001
39	Dept. of Civil Engineering	"Wheeled Seismic Expansion Joint"	Dr. Gaurang Vesmawala Mrs. Neha G Vesmawala	2021	30.07.2021	344715-001
40	Dept. of Electronics Engineering	"Sanitary Pad Stitching Machine"	Dr. Krupesh A Chauhan Dr. Shweta N Shah Mr Darshit Vora	2021	29.07.2021	345300-001

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41	Dept. of Electronics Engineering	"Sanitary Pad Cutting Machine"	Dr. Krupesh A Chauhan Dr. Shweta N Shah Mr Darshit Vora	2021	28.07.2021	345301-001
42	Dept. of Mechanical Engineering	"Wax Filled Thermal Insulation Panel for Wall & Ceiling"	Dr. Manish K Rathod	2021	28.07.2021	345520-001
43	Dept. of Mechanical Engineering	"Multi Cantilever Beam Energy Harvester"	Dr. Rohit Tamrakar	2021	19.08.2021	346110-001
44	Dept. of Physics	"Jig for Optical Thin-Film Coatings of Edge-Emitting Laser Diode Bars"	Dr. Vipulkumar A Kheraj Dr. C J Panchal	2021	15.09.2021	346173-001
45	Dept. of Physics	"Surface Photovoltage Spectroscopy Probe"	Dr. Vipulkumar A Kheraj Mr. Akshaykumar P Jariwala	2021	25.08.2021	346174-001
46	Dept. of Mechanical Engineering	"Industrial (Micro) Robot"	Dr. Harshit K Dave Mr. Mitesh Gandhi Mr. Tejas Agrawal Ms Janavi Popat Mr. Shine Priyan Mr. Harsh Kakadiya Ms. Dravi Makwana	2021	10.09.2021	346262-001
48	Dept. of Chemical Engineering	"Apparatus for Testing of Antifouling Properties of Filtration Membranes"	Dr. Z V P Murthy Mr. Amol Vijay Sonawane Mr. Dipeshkumar D Kachhadiya Dr. Chetankumar M Patel	2021	06.10.2021	347903-001
47	Dept. of Chemical Engineering	"Universal Face Mask"	Dr. Z V P Murthy Mr. Amol Vijay Sonawane Dr. Chetankumar M Patel	2021	08.10.2021	347918-001
49	Dept. of Civil Engineering	"Parabolic Pennon Headed Stud Shear Connector"	Dr. Gaurang Vesmawala Mr. Yogesh Deoram Patil Mr. Rahul Tarachand Pardesi	2021	15.10.2021	348044-001
50	Dept. of Chemical Engineering	"UV Reactor for Water Treatment"	Dr. Mausami Mukhopadhyay	2021	08.10.2021	348075-001
51	Dept. of Civil Engineering	"Garden Waste Shredder"	Dr. Kunwar Durg Vijaysingh Yadav Mr. Rajnikant Prasad Mr. Sandeepkumar Mishra	2021	15.10.2021	348117-001
52	Dept. of Civil Engineering	"Triangular Pennon Headed Stud Shear Connector"	Dr. Gaurang Vesmawala Mr. Yogesh Deoram Patil Mr. Rahul Tarachand Pardesi	2021	15.10.2021	348196-001
53	Dept. of Civil Engineering	"Double Locked Column Cover Bracket"	Dr. Gaurang Vesmawala Mrs. Neha G Vesmawala	2021	15.10.2021	348206-001
54	Dept. of Civil Engineering	"Seat Cover Block for Reinforced Concrete Beam"	Dr. Gaurang Vesmawala Mrs. Neha G Vesmawala	2021	06.10.2021	348309-001
55	Dept. of Civil Engineering	"Slotted Adjustable Length PVC Space Bar"	Dr. Gaurang Vesmawala Mrs. Neha G Vesmawala	2021	08.10.2021	348453-001
56	Dept. of Mechanical Engineering	"Prosthetic Arm"	Dr. Harshit K Dave Mr. Mihir Chanpura Mr. Sanket Kathrotiya Mr. Dixit Patolia Mr. Mohd. Vasim Khatri Mr. Charles Vapariya	2021	22.10.2021	348495-001
57	Dept. of Civil Engineering	"Mould for Fibre Reinforced Clay Specimen Preparation"	Mr. Mohit K Mistry Dr. Shruti J Shukla Dr. C H Solanki	2021	04.10.2021	348509-001
58	Dept. of Chemical Engineering	"Agitated Ball Mill"	Dr. Z V P Murthy Mr. Amol Vijay Sonawane Dr. Chetankumar M Patel	2021	08.10.2021	348601-001
59	Dept. of Chemical Engineering	"Water Purifier"	Dr. Alka A Mungray Mr. Asfak Yunus Patel Dr. Arvind K Mungray	2021	01.10.2021	348690-001

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60	Dept. of Chemical Engineering	"Electrochemical Sensor Apparatus"	Dr. Z V P Murthy Mr. Amol Vijay Sonawane Mr. Vijaykumar Singh Dr. Chetankumar M Patel	2021	11.11.2021	348930-001
61	Dept. of Mechanical Engineering	"Internally Finned PCM Based Heat Sink with Externally Finned Heat Pipe"	Dr. Naresh Yarramshetty Dr. Nikhil A Baraiya	2021	03.12.2021	349355-001
62	Dept. of Mechanical Engineering	"Swirler for Micro Gas Turbine Combustion Chamber"	Dr. Naresh Yarramshetty Dr. Nikhil A Baraiya	2021	05.11.2021	349668-001
63	Dept. of Civil Engineering	"Soil Moisture Sensor"	Dr. J N Patel Mr. Jaysukh C Sonagra	2021	19.11.2021	350170-001
64	Dept. of Electronics Engineering	"Metamaterial Based Sensor for Characterizations of Soil Properties"	Dr. Piyush N Patel Mr. Paresh Sagar	2021	22.12.2021	350760-001
65	Dept. of Mechanical Engineering	"Internally Finned Heat Sink with Externally Radial Finned Heat Pipe"	Dr. Naresh Yarramshetty	2021	10.12.2021	351222-001
67	Dept. of Civil Engineering	"Groundwater Level Measurement Sensor"	Mr. Fenil R Gandhi Dr. J N Patel	2021	23.11.2021	351272-001
66	Dept. of Physics	"Rapid Thermal Annealing Furnace"	Dr. Priya S Suryavanshi Dr. C J Panchal Dr. Vipulkumar A Kheraj	2021	17.12.2021	351280-001
68	Dept. of Chemical Engineering	"Flat Sheet Membrane Module for Liquid Mixture Separation"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Mr. Dipeshkumar Kachhadiya Dr. Chetankumar M Patel	2021	14.12.2021	351911-001
69	Dept. of Civil Engineering	"Smart Soil Moisture Probe"	Mr. Pravin Barapatre Dr. J N Patel	2021	17.12.2021	351921-001
70	Dept. of Chemical Engineering	"Electromagnetic Field Induced flat Sheet Membrane Module for Wastewater Treatment"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Dr. Chetankumar M Patel	2021	06.12.2021	352180-001
71	Dept. of Chemical Engineering	"Ultrasonic Induced Filtration Cell for Water and Wastewater Treatment"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Dr. Chetankumar M Patel	2021	07.12.2021	352182-001
72	Dept. of Civil Engineering	"Spherical Ribbed Headed Stud Shear Connector"	Dr. Yogesh Deoram Patil Mr. Prakash Abhiram Singh Mr. Rahul Tarachand Pardeshi	2021	21.12.2021	352445-001
73	Dept. of Electronics Engineering	"Wearable Textile Antenna for Telemedicine Application"	Dr. Piyush N Patel Mr. Arpan H Shah	2021	28.12.2021	352584-001
74	Dept. of Mechanical Engineering	"Attachment for Fused Deposition Oulding Fabric"	Dr. A A Shaikh Mr. Nilesh Wokilprasad Tiwari	2021	29.12.2021	352747-001
75	Dept. of Electronics Engineering	"Portable Location Measuring Device with Touchscreen"	Dr. Mehul Desai Dr. Shweta Shah Dr. Darshana Jagiwala	2021	28.12.2021	353346-001
76	Dept. of Mechanical Engineering	"Wind Tunnel"	Dr. S A Channiwala Mr. Hardikkumar B Modh Mr. Parth Dilipkumar Shah Mr. Taha Yunus Poonawala Mr. Ashwin Mathsa Mr. Ankush Kulshreshtha Ms. Rashi Denge	2022	25.11.2022	327850-001
78	Dept. of Mechanical Engineering	"Tapered Variable Channel Width Minichannel Heat Sink"	Dr. Hemantkumar B Mehta Mr. Nishant M Shah Dr. Jyotirmay Banerjee	2022	04.11.2022	332651-001
77	Dept. of Civil Engineering	"Construction Fastener"	Dr. Yogesh Deoram Patil Mr. Rahul Tarachand Pardeshi	2022	11.01.2022	339871-001
79	Dept. of Civil Engineering	"Construction Fastener"	Dr. Yogesh Deoram Patil Mr. Rahul Tarachand Pardeshi	2022	08.02.2022	339874-001
80	Dept. of Civil Engineering	"Construction Fastener"	Dr. Yogesh Deoram Patil Mr. Rahul Tarachand Pardeshi	2022	20.04.2022	339875-001

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81	Dept. of Civil Engineering	"GEOCELL"	Ms. Bhavita S Dave Dr. A K Desai Dr. C H Solanki	2022	04.03.2022	340758-001
82	Dept. of Mechanical Engineering	"Battery Stack Cooling System for Electric Vehicles"	Dr. Hemantkumar B Mehta Mr. Milan Vachhani	2022	06.05.2022	341247-001
83	Dept. of Chemical Engineering	"Design of a Novel Flat Sheet Membrane Module for Submerged Membrane Bioreactor Wastewater Treatment System"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Dr. Sarita Kalla Dr. Chetankumar M Patel	2022	18.03.2022	341280-001
84	Dept. of Mechanical Engineering	"Cantilever Beam Energy Harvester for Low Rotating Speed"	Dr. Rohit Tamrakar	2022	25.02.2022	345561-001
85	Dept. of Civil Engineering	"Circular Bulged Perforated Headed Stud Shear Connector"	Dr. Yogesh Deoram Patil Mr. Prakash Abhiram Singh Mr. Rahul Tarachand Pardeshi	2022	05.01.2022	352436-001
86	Dept. of Chemical Engineering	"Novel Submerged Type Flat sheet Membrane Filtration Module"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Dr. Chetankumar M Patel	2022	07.01.2022	352581-001
87	Dept. of Chemical Engineering	"Novel Rotary Ball Cleaning System for Industrial Tanks"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Dr. Chetankumar M Patel	2022	28.01.2022	352582-001
88	Dept. of Chemical Engineering	"Microreactor for nanoparticles synthesis"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Dr. Chetankumar M Patel	2022	14.01.2022	353522-001
89	Dept. of Mechanical Engineering	"Electric Go-Kart"	Dr. Hemantkumar B Mehta Students	2022	28.01.2022	353957-001
90	Dept. of Chemical Engineering	"Membrane bioreactor system for water and wastewater treatment"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Dr. Chetankumar M Patel	2022	01.04.2022	354237-001
91	Dept. of Civil Engineering	"Portable Soil Compaction Mould"	Mr. Vinod Kumar Dr. Rakesh Kumar	2022	16.2.2022	354784-001
92	Dept. of Chemical Engineering	"Shell - Shell - Tube Type Heat Exchanger"	Dr. Z V P Murthy Mr. Amol Vijay Sonavane Dr. Chetankumar M Patel	2022	11.03.2022	355977-001
93	Dept. of Mechanical Engineering	"Multi Tube Inverse Diffusion Flame Burner"	Dr. Rupesh Shah Dr. Vipul Patel Mr. Ankit Dekhatawala Mr. Naveen Danana	2022	31.03.2022	356944-001
94	Dept. of Chemical Engineering	"Wavy Flow Channel Membrane Module for Oil-water Separation"	Dr. Z V P Murthy Mr. Amol Vijay Sonwane	2022	08.04.2022	357326-001
95	Dept. of Chemical Engineering	"Dynamic Pervaporation Module"	Dr. Z V P Murthy Mr. Amol Vijay Sonwane	2022	30.01.2022	357581-001
96	Dept. of Chemical Engineering	"Core Flooding Setup"	Dr. Mousumi Chakraborty Dr. Shilpa Nandwani	2022	22.04.2022	358005-001
98	Dept. of Chemical Engineering	"Stirred Cell for Wastewater Treatment Using Emulsion Liquid Membrane"	Dr. Mousumi Chakraborty Mr. Himanshu Kohli	2022	22.04.2022	358060-001
97	Dept. of Chemical Engineering	"Advanced CO2 Capture Membrane Module"	Dr. Z V P Murthy Mr. Amol Vijay Sonwane	2022	14.03.2022	360573-001
99	Dept. of Chemical Engineering	"Flat Sheet Membrane Casting Unit"	Dr. Z V P Murthy Mr. Amol Vijay Sonwane	2022	10.06.2022	360649-001
100	Dept. of Chemical Engineering	"Direct Contact Membrane Distillation Module for Desalination"	Dr. Z V P Murthy Dr. Sarita Kalla Mr. Amol Vijay Sonwane	2022	27.05.2022	360754-001
101	Dept. of Civil Engineering	"Setup for Measurement of Plane Strain Angle of Repose of Sand"	Dr. Jitesh T Chavda Mr. Mandala Vishnuvardhan	2022	08.06.2022	361996-001

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102	Dept. of Mechanical Engineering	"Sanitary Patch"	Ms. Nishi Mehta Dr. Pallvita Yadav Dr. Sarita Kall	2022	24.06.2022	362650-001
103	Dept. of Chemical Engineering	"Annular array shell for distillation of essential oil"	Dr. Desai Meghal A Prof. Jigisha K Parikh Dr. G C Jadeja Dr. S R Patel	2022	27.07.2022	363355-001
104	Dept. of Chemical Engineering	"Hollow Fiber Membrane Module Regeneration System"	Mr. Amol Vijay Sonawane Dr. Z V P Murthy	2022	29.07.2022	363895-001
105	Dept. of Chemical Engineering	"Reverse Osmosis (RO) Membrane Module Regeneration System"	Mr. Amol Vijay Sonawane Dr. Z V P Murthy	2022	23.09.2022	363896-001
106	Dept. of Chemical Engineering	"Water pH Control System"	Mr. Amol Vijay Sonawane Dr. Z V P Murthy	2022	23.09.2022	363900-001
107	Dept. of Physics	"Machine for Casting of Metallic Alloy Ingots"	Dr. Himanshu Pandey Dr. Shail Pandey Mr. Subhash P Pai	2022	23.12.2022	366210-001
108	Dept. of Mechanical Engineering	"Wind Turbine"	Dr. Prabhansu Mr. Yash Mandaliya Mr. Sunny Begde Mr. Mohd Amman Siddiqui Mr. Somdeep Bhushan	2022	06.01.2023	372209-001
109	Dept. of Mechanical Engineering	"Automobile Radiator with Vortex Generator"	Dr. Manish K Rathod Mr. Ashishkumar J Modi	2023	10.02.2023	342547-001
110	Dept. of Electrical Engineering	"Power Converter Board"	Dr. Rakesh Maurya Mr. Prince Jain	2023	10.04.2023	349926-001
111	Dept. of Mechanical Engineering	"Racing Car"	Dr. Hemantkumar B Mehta Students	2023	20.01.2023	353956-001
112	Dept. of Chemical Engineering	"Dynamic Forward Osmosis Integrated Membrane Bioreactor System"	Dr. Z V P Murthy Mr. Amol Vijay Sonwane	2023	20.01.2023	357320-001
113	Dept. of Chemical Engineering	"Pervaporation Module"	Dr. Z V P Murthy Mr. Amol Vijay Sonwane	2023	24.11.2023	357327-001
114	Dept. of Chemical Engineering	"Dynamic FO Membrane Module for Water and Wastewater Treatment"	Dr. Z V P Murthy Mr. Amol Vijay Sonwane	2023	27.01.2023	357493-001
115	Dept. of Chemical Engineering	"Continuous Flow 3D Printed Microchannel with Integration of 3D Sidewall Electrode"	Dr. V N Lad Mr. Swapnil Kevat	2023	28.07.2023	359136-001
116	Dept. of Chemical Engineering	"Distillation Set-up for Essential Oil Extraction"	Dr. Desai Meghal A Prof. Jigisha K Parikh Dr. G C Jadeja Dr. S R Patel	2023	28.04.2023	363213-001
117	Dept. of Chemical Engineering	"Electro-fermentation System"	Mr. Amol Vijay Sonawane Dr. Z V P Murthy	2023	24.03.2023	363792-001
118	Dept. of Civil Engineering	"Triangular Ribbed Headed Studd Shear Connector"	Dr. Y D Patil Mr. Prakash Abhiram Singh Mr. Rahul Pardesi	2023	09.01.2023	373200-001
119	Dept. of Mechanical Engineering	"Pedal Assembly for Vehicle Hydraulic Braking System"	Dr. Prabhansu Mr. Yash Mandaliya Mr. Aman Vyas Mr. Avdhesh Kumar Mr. Dhruvil Patel Mr. Khushveer Charan	2023	10.03.2023	373200-001

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120	Dept. of Mechanical Engineering	"Stacked Battery Module Holder for Thermal Management"	Dr. Hemantkumar B Mehta Dr. Vipul M Patel Dr. Kalpak R Sagar Mr. Milan Vachhani Mr. Durga Nand Jha	2023	23.08.2023	386144-001
121	Dept. of Mechanical Engineering	"Foldable Trolley Chair"	Dr. Harshit K Dave Mr. Yash D Mandaliya Dr. Keyur P Desai	2023	03.08.2023	387259-001
122	Dept. of Mechanical Engineering	"Multi Purpose Convertible Hexapod Robot"	Dr. Harshit K Dave Mr. Alok Kumar Sahu Mr. Megh Heruwala Mr. Shubham Singh Mr. Keyur P Desai	2023	07.08.2023	387260-001
123	Dept. of Civil Engineering	"Cantilever Type Creep Testing Machine for Weak Rocks"	Dr. Ankesh Kumar Dr. Shruti Shukla Ms. Geetanjali Lohar	2023	30.08.2023	388934-001
124	Dept. of Mechanical Engineering	"Bubble Cap for Distributor Plate of Fluidized Bed"	Dr. Prabhansu Mr. Yash Garhwal	2023	10.11.2023	396390-001
127	Dept. of Chemical Engineering	"Ultrasonication Assisted MBR System for Water and Wastewater Treatment"	Mr. Amol Vijay Sonawane Dr. Z V P Murthy	2024	05.01.2024	364672-001
125	Dept. of Mechanical Engineering	"Multi Rotor Fixed-wing Unmanned Quad Plane with Flying Wings Configuration"	Dr. Rohan Pande Dr. Mukund Bade	2024	19.01.2024	387728-001
126	Dept. of Mechanical Engineering	"Sludge Dewatering System"	Dr. Prabhansu Mr. Nitin Kumar Soni Ms. Ritu Raj Jaif Mr. Bandhan Kumar Ms. Yashwini Meena Mr. Gautam Totiya	2024	04.04.2024	387748-001
128	Dept. of Mechanical Engineering	"Autonomous Underwater Vehicle for Shallow Waters"	Dr. Harshit K Dave Mr. Harsh Mhatre Ms. Shrujal R Zala Ms. Nupur S Kulkarni Mr. Devanshu D Vyas	2024	05.08.2024	387750-001
129	Dept. of Mechanical Engineering	"Battery Module Holder for Cooling"	Dr. Hemantkumar B Mehta Dr. Vipul M Patel Dr. Kalpak R Sagar Mr. Milan Vachhani Mr. Durga Nand Jha	2024	04.01.2024	387788-001
130	Dept. of Mechanical Engineering	"Multi Stage Laser Machine with Single Shaft XY Mechanism for Mass and Batch Production System"	Dr. A A Shaikh Mr. Aakif Anjum Shaikh Usman Mr. Khan Kazim Khan Mohsin Khan	2024	03.09.2024	395057-001
131	Dept. of Mechanical Engineering	"Wind Turbine"	Dr. Prabhansu Mr. Sarthak Nigam Mr. Het Parag Sanghavi Mr. Dhruvin Hirenkumar Chauhan Ms. Falguni Likhare Mr. Sunny Bagde	2024	25.07.2024	400825-001
132	Dept. of Mechanical Engineering	"Hexapod Design with Integrated Scock Absorber Leg for Rough Terrain Mobility"	Dr. Raju Prasad Mahto Mr. Ashok Gehlot Mr. Amith Kumar Yadav K Mr. Vikram Kumar	2024	17.05.2024	403190-001
133	Dept. of Chemical Engineering	"Twin U-tube Wellbore Heat Exchanger for Geothermal Energy Extraction"	Mr. Chappidi Srinivas Dr. Ankesh Kumar Dr. Jogender Singh	2024	18.04.2024	406756-001
134	Dept. of Civil Engineering	"Elliptical Slit Damper Fuse for Steel Beam Column Connection"	Dr. G R Vesmawala Mr. Monendra Pratap	2024	05.07.2024	414932-001
135	Dept. of Civil Engineering	"Organic Waste Mixer"	Dr. K D Yadav Mr. Pranat Jain	2024	24.07.2024	415571-001

Sr.No	Dept.	Title of Design	Inventor(s)	Year of Acceptance	Acceptance Date	Design No.
136	Dept. of Civil Engineering	"Star Ribbed Headed Stud"	Mr. Shingod Bharatbhai B Mr. Pradeep Kumar Verma Mr. Prakash Singh Abhiram Dr. Y D Patil	2025	02.01.2025	411458-001
136	Dept. of Civil Engineering	DUAL OVAL SHAPE SLITS IN FUSE FOR OVEL ST EEL FRAMES	Dr. G R Vesmawala Mr. Monendra Pratap	2025	18.02.2025	414869-001
138	Dept. of Chemical Engineering	"Coaxial Syringe with Hydrodynamic Focusing for Advanced Microfluidic Applications"	Dr. S K Sundar Dr. Jigisha K Parikh Mr. Mirajbhai Savani	2025	02.01.2025	433137-001