

MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
 (Permanently Affiliated to University of Mumbai)
DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT-I & II (2021-2022)

All faculties are requested to

1) Write appropriate Domain and Category of Project guided by you. Please refer domain and category given below

Project Category	Project Domain
Application	Manufacturing
Product	Design
Research	Thermal and Fluids
Review	Mechatronics and Robotics

2) Complete PO and PSO Mapping for your respective project group

Sr. No.	Group No.	Name of Student	Topic/Title of the Project (To be entered by Guide)	Name of Project Guide	Project Category	Project Domain	PO Mapping	PSO Mapping
1	A-718	BODKE ATHARV JITENDRA	Unmanned Underwater Vehicle	Dr. Sanjay Bokade/ Prof. Prasad Kawade	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-720	CHAUDHARI AMAN JATIN POONAM						
	A-722	CHAVAN RUTUJA HEMANTKUMAR						
	A-706	BAGUL PRITISH SOMNATH						
	A-701	AGRE SUSHANT SANTOSH						
2	A-734	GOHIL MIHIR VINOD	Automatic sorting system using robotic arm	Prof. Ravindra Y. Kurne	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-737	GUPTA NITESHKUMAR ASHOK						
	A-756	KOLI KRUTARTH DEVENDRA D						
3	A-776	MISHRA SHUBHAM ISHWARPRASAD	Automatic bar feeding and clamping mechanism	Prof. Ravindra Y. Kurne	Application	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-754	KOLHAR PRASAD PRAVIN PRERANA						
	B-748	SHAIKH BASHIR JAMEEL						
	B-760	SIDDIQUE ABDULLAH AJMAL						
4	A-726	FIRAKE AMIT GOPALRAO NAVNITA	Design of power generation unit using human effort	Prof. N.N.Bhostekar	Application	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-772	TILAWAT RISHI						
	A-755	KOLI DISHANT PRAKASH MAYURI						
	A-727	GAIKWAD ANIRUDHA SUNIL KIRAN						
5	B-754	SHETTY JAY JAGDISH DEEPA	Firefighting robot	Prof. N.N.Bhostekar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-702	AKHADE ANUJ RAMCHANDRA						
	A-713	BHANGLE SWAPNIL SAKHARAM						
	A-714	BHARAJ SAHIBSINGH SWINDERSINGH						

6	A-749	KHARAT SHUBHAM BHARAT	Design and fabrication of Stair climbing mechanism to lift load over staircase	Dr. Nitin Panaskar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-763	KUNDER AKSHAY GOPAL VANITHA						
	B-723	POL YASHSHREE HEMANT YOGITA						
	B-731	RAMUGADE ADVAIT SHASHI VIJAYA						
7	B-739	REWALE SAHIL	Automatic tennis ball machine	Dr. Nitin Panaskar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-773	VAISHANAV BHARAT AMRUT						
	B-770	SYED FASIUDDIN						
	B-734	RATHOD JIMIT						
8	B-715	PATEL RUTVIK RAJESH BHARATI	Off-terrain E-bike	Prof. Prasad Kawade	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-779	YADAV UDAYBHAN PANDHARILAL						
	B-741	SAVE ATHARVA KRUTIN RUPA						
	B-769	SURVE ANIKET CHANDRAKANT						
9	B-727	RAHATE VIKRANT RAVINDRA	360 degree drilling machine	Prof. Prasad Kawade	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-729	RAJBHAR SUJIT MUNDRIKA SUMAN						
	B-738	REVANDKAR OMKAR RAJIV						
	B-747	SHAIKH ARMAN AYUB AAYESHA						
10	B-775	VENUGOPAL SHRAVAN	Design and fabrication of solar operated pesticide sprayer	Prof. Nilesh B. Shahapure	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-759	SHIRSAT NILAY RAJAN MADHURI						
	B-765	SOLANKI MILIND KISHOR RENUKA						
	B-758	SHINDE VICKY VIJAY USHA						
11	A-704	AREKAR SAURAV SANJYOT	Eco-friendly Air purifier	Prof. Nilesh B. Shahapure	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-711	BHANDARI PRACHI SUNIL						
	A-729	GAIKWAD SHUBHANGI R						
	A-712	BHANDARI SMIT JITENDRA						
12	B-771	TAMBE SHREEYA SANJAY SAILI	Design & Fabrication of Track Cleaning with Crack cleaning Machine	Prof. Chetan R. Rane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-772	MALI AMAN DILIP MEERA						
	B-768	SURAWSE SATYAM ARUN SONALI						
	B-755	SHETTY PRATIK PRABHAKAR SUMA						
13	B-735	RATHOD SHUBHAM VIJAY SUVARNA	Fabrication of Water Coolere	Prof. Chetan R. Rane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-708	PAL ROHIT						
	B-763	SIRAJ ADIL sirajul						
	A-728	GAIKWAD CHINMAY DHANANJAY						
14	B-707	PAGAR RUTUJA SANJAY SANJANA	Wing morphing based on compliant mechanism	Dr. Rajesh Kale	Application	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-709	PARAB CHAITALI SUNIL SAVALI						
	A-709	BENDKHALE SIDDHANT AJAY						
15	B-751	SHARMA KAUSHIK KAMLESH	Artificial Intelligence enabled quality inspection of a dengue kit on a conveyor belt	Dr. Rajesh Kale	Application	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-750	SHARMA AKSHAT ANUBHAV NISHA						
	B-757	SHINDE SHUBHAM SHANKAR						
	B-752	SHETTY ASHITA ANAND RAJEEVI						
16	A-764	LAD PRAPTI DEVENDRA JYUTHIKA	CFD analysis of a residential room	Dr. Kiran Chaudhari	Application	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-775	MHASKAR VAISHNAVI ANIL KSHAMA						
	B-744	SAYYED ABRAR ALI						
	B-762	SINGH HRISHIK RAMESHWAR SINGH						
17	A-766	MAHADIK NINAD VISHWANATH	CFD analysis of a bladeless turbine	Dr. Kiran Chaudhari	Application	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-770	MAHAJAN JAY KISHOR RAJASHRI						
	A-768	MAHADIK RAHUL KHOTU AKSHATA						
	A-771	MAHINDRAKAR SHUBHAM SUNIL						

18	B-742	SAWANT NITESH PRAKASH PRANALI	Design and Optimization of offshore Wind turbine support structure	Prof. N.K.Deshmukh	Research	Thermal and Fluids & Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-725	PRA BHU PRANAV PRADEEP PRIYA						
	B-728	RAIKAR DHANANJAY DEVANAND						
	B-743	SAWANT SHREYASH SURBA SHWETA						
19	A-719	CHANDI KASHISH VISHAL TRIVENI	Pneumatically controlled Ramming Machine	Prof. N.K.Deshmukh	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-752	KHOBRAGADE ROMESH R						
	B-722	PISE PRATIK BALU JYOTI						
	B-745	SHAH ROSHAN BARUN KIRAN						
20	B-710	PARAB SIDDHESH MILIND SHWETA	Fabrication of Human-Powered Charging Booth with Rotary Mechanism	Prof. Mukund Valse	Application	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-749	SHAIKH MAAZ SHAIKH SHAMIM						
	B-701	MUNESHWAR DIKSHA DEELIP						
	B-766	SONDKAR SHRADDHA SURESH						
21	B-718	PATIL CHETAN UMAKANT LATA	Design and Fabrication of Tesla Turbine	Prof. Mukund Valse	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-716	PATEL VARUN NIRAV SHILPA						
	B-737	REDDY ABHISHEK VIJAY VIJAYLAXMI						
22	B-720	PAWASKAR SIDDHIQ ALI RAMIZA	Analysis And Fabrication Of Electromagnetic System	Dr. Atul G. Londhekar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-717	PATIL ATHARV NILESH SANDHYA						
	B-730	RAJE TANMAY SATISH MANISHA						
	B-713	PATEKAR NILESH						
23	A-733	GHOLAP SHUBHAM BHARAT KANCHAN	Design And Simulation Of Clean Up BOT	Dr. Atul G. Londhekar	Research	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-769	MAHADIK SIDDHESH SHANTARAM						
	B-714	PATEL HARDIK MAHENDRA HEENA						
	B-756	SHINDE ANUKSHA DEEPAK						
24	B-721	PILLIKANDLU SAHIL NASIR SADAF	Semi Autonomous Quadruped Robot	Prof. Ratnam R. Gujar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-759	KOTECHA UTKARSH PARAG KINNARI						
	A-777	MOOLYA TEJAS OMPRAKASH REENA						
	A-738	JADHAV SURAJ SATYAWAN						
25	A-740	JOGALE NEEL MAHESH	Pneumatic sheet metal cutting machine	Prof. Ratnam R. Gujar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-757	KOLI MANISH GANESH SUSHMA						
	B-740	SALUNKHE PATIL AAKASH RAJARAM						
	B-724	POPLE KARAN BHANUDAS CHHAYA						
26	A-731	GAONKAR ADITYA SANJAY	Experimental and Numerical Analysis of Multilayer Sandwich panel under three point bending load	Prof. Parmeshwar Paul	Research	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-730	GANJI VIJAY KRISHNA						
	A-742	KAMBLE MIHIR HARISHCHANDRA						
	A-736	GOVARI ABHISHEK RAMESH SMITA						
27	A-723	CHIKKANAVAR VIJAY BHARATESH	Analysis of diffrent HP and their properties for maximum efficiency in electronics Cooling	Prof. Parmeshwar Paul	Research	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-779	MUJPARA JEELAN RAMESH SONAL						
	A-778	MORDEKAR AMEY RAJENDRA						
28	A-715	BHAT VINAYAK VENKATESH	Design and analysis of Electric powertrain	Prof. Sambhaji Gaikwad	Research	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-735	GOND ADITYA RAJESH PRATIBHA						
	B-764	SOLANKE SAKSHI PRADIP						
	A-774	MANGAONKAR DEEP SHAILESH						
29	B-712	PARMAR SAGAR BHARATBHAI	Optimisation of milling operation	Prof. Sambhaji Gaikwad	Research	Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-706	NEDIYIRIPPIL DEVARATH SUKU						
	B-703	MUNNURU RANJITH VENKATAIAH						
	B-761	SIDHANKAR ADITYA						
	B-705	NALAT KRUSHNAKANT RAJENDRA						

30	A-760	KOTHAVADE GAURAV BALKRISHNA	Development of Automatic Bottle Filling & Capping Machine For Buffer Solution	Prof. Amol Mangrulkar	Research	Mechatronics and Robotics	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-761	KSHIRSAGAR AKSHAY GAJANAN						
	B-777	YADAV AAKASH RAJKUMAR						
	B-746	SHAH VISHAL NANDU KANTI DEVI						
31	A-751	KHAVARE ADHIRAJ BHIMRAO PRAMILA	Quality Control & Inspection for Covid Antigen Test Kit Using Machine Learning	Prof. Amol Mangrulkar	Research	Mechatronics and Robotics	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-743	KAMBLE SWARALI SUNIL						
	B-736	RAUT PRATIK						
	A-744	KANDIVALIKAR PRUTHVI						
32	A-705	BACHIM BHAVESH RAGHUNATH	Four Way Motorised Hacksaw Machine	Prof. Nikhil V S	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-717	BHINDERWALA HUSAIN MOYYED						
	A-716	BHINDERWALA HAMZA MOHSIN						
	A-703	AMRE OMKAR MAHENDRA						
33	B-719	PAWAR SURAJ	Development of Multi Angular Geraless Transmission	Prof. Nikhil V S	Application	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-762	KUNDE SURAJ						
	A-767	MAHADIK NISHIKANT						
	B-753	SHETTY ATHISH MANOHAR LATHA						
34	B-732	RAO AAYUSH CHARIT AARTI	Design of hydrogen storage and supply system for fuel cell vehicles	Dr. V.B. Malji	Application	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-741	KALRA ARUSHI YOGESH VANDANA						
	B-726	PURANDARE SHIVAM SANJAY						
	B-767	SULAIMAN MOHAMED AFSAL						
35	B-733	RASKAR SIDDHI SHASHIKANT	Design and development of fitment for Hybrid motorcycle (Petrol+Electric)	Dr. Prathamesh R. Potdar	Application	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	B-774	VAVEKAR SANGHAVI SANTOSH						
	A-746	KAROTE PRITI PANDURANG SHOBHA						
	B-702	MUNGEKAR GAURAVI SANTOSH						
36	A-745	KAREKAR VIJAY VINOD VINAYA	Development of smart pest killer and soil condition monitoring system	Dr. Prathamesh R. Potdar	Application	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-747	KASAR NIKHIL SUNIL SEJAL						
	A-707	BAGWE OMKAR RAJAN						
	A-753	KHOT TEJASVI SADGURU MANSI						
37	A-724	DAS SWAGAT SHISIR KUMAR	Design and Development of an Adaptive Airfoil for Topology Optimization in Aerial Transport and Wind Turbine	Prof. Ashwini Gotmare/ Prof. Prasad Kawade	Research	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-732	GHADIGAONKAR MAYURI MANGESH						
	A-725	DHANANI SMIT PARESH						
	B-776	WAGH VAISHNAVI BALASAHEB						
38	A-708	BARI KRISHNA SANJAY	Design and Fabrication of 3 axis arc Welding machine	Prof. Ashwini Gotmare/ Prof. Prasad Kawade	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-721	CHAVAN PARTH SAMEER LEENA						
	A-750	KHATAUKAR ARYAMAN ASHUTOSH						
	A-765	LIMBACHIYA SHUBH ASHOK HANSA						
39	A-739	JAIWAR SHIVAM HIRALAL	Design of exoskeleton arm	Prof. Rehan Siddiqui	Application	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-773	MALKANI AMIR RAFIK NOORJAHA						
	B-711	PARAKH MANAS AJAY SEEMA						
	B-704	NAIR SREEHARI GOPI JAYA						
40	A-748	KHAN MANAUWAR HUSAAIN	Design and development of solar desalination system	Prof. Rehan Siddiqui	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1,PSO 2
	A-710	BENDOAMAR CEON						
	A-758	KOLI SHUBHAM KAILASH MEENA						
	B-778	YADAV PRAKASH ABHAYRAJ						