

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

PROJECT-I & II (2022-2023)

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	YASH KARANJAVKAR MOHMMAD RAFI JALGAONKAR ISHITA KALE INDREKAR NISHNANT KRISHNA	Multifunctional Vine Robots with end effectors	Dr. R. V. Kale	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	2	OMKAR RANE OMKAR PARAB PRATHAMESH PARAB HARSHAL SHIKHARE	Design and Fabrication of Quadcopter to deliver essentials during disaster	Dr. R. V. Kale	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	3	MAURYA SHILPA MANOJ JOYSON NEELKUMAR NADAR JAGTAP DEVENDRA VIJAY NADAR SHANMUGA ROBINS	Design and Fabrication of multi-purpose agriculture machine	Dr. R. V. Kale	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	4	RUPESH NAIR KARAN JAIN LOUKIKA NEVE PRANAV HARE	Bomb diffusing robot	Dr. R. V. Kale	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	5	MEHUL BARKUL ARUN PILLAI KAUSTUBH NARVEKAR SHUBHAM SALVI	Automatic floor and wall cleaning machine	Dr. K. M. Chaudhari	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2

6	SUMEET WARANG	Design and analysis of composite leaf spring by FEA	Dr. K. M. Chaudhari	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PRANAV PATIL						
	SHANTANU SHINDE						
	SHAIKH MOHAMMED JAFAR						
7	VAIBHAV GORAKSHANATH SANAP	Design and Fabrication of vertical axis wind turbine	Dr. K. M. Chaudhari	Product	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	ASMITA NILESH SHINDE						
	PRANAY MANESH PAWAR						
	ADITYA MAHEHS SALUNKHE						
8	VATSAL SHANBHAG	Experimental investigation on performance of Microalgae biodisel C.I. Engine	Dr. K. M. Chaudhari	Research	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	TEJAL TEMKER						
	NIYATI VAIDYA						
	ANUKOOL SASI						
9	APURVA VICHARE	Design and Fabrication of 4 wheel 3 mode steering system	Dr. Y. P. Deshmukh	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SHRUTI SHIRKE						
	SHUBHAM MHATRE						
	MAYUR WADLE						
10	KALPESH KADAM	Design and Manufacturing of Data acquisition system	Prof. S. D. Gaikwad	Application	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PRAJWAL SHETTY						
	ARYAN BHALERAO						
	YUNUS KHAN						
11	AKANKSHA VISHWAKARMA	Multi-function Arduino car	Prof. S. D. Gaikwad	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	VAISHNAVI PAWAR						
	KUNAL PADIYAR						
	KAUSHAL NIKAM						
12	ANUSHKA DHAMANKAR	Autonomous agricultural drone	Prof. A. L. Mangrulkar	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	BHAVNA KOLKONDI						
	AADITYA DHANANJAY						
	ARUN KUNCHUMUTHU						
13	AISHWARY KAKODKAR	Fabrication of blended wing body airplane	Prof. A. L. Mangrulkar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	AAKANKSHA SHIRKE						
	RUGVED RAOTE						
	GAURAV MORE						
14	KANCHAN BALAJI BANSODE	Railway track crack detection using Arduino	Prof. A. G. Londhekar	Application	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	QURESHI MOHD ADNAN MOHD NIZAM						
	POOJA SHARAD KOTHARKAR						
	RUHI DILIP MORE						
15	MEET SAMANT	Design and Fabrication of Material handling system	Prof. A. G. Londhekar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	DIPESH SHINDE						
	TEJAS SAWANT						
	SHIVANI CHAVAN						
16	PARSRAMANI SAHIL	Mechanical pick and place	Prof. Rehan Siddiqui	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	GAVIT KISHOR NARAYAN						
	JADHAV BALASAHEB DNYANDEV						
	AWASARMOL NITIN RATAN						
17	KURKUTE AVINASH KRUSHNA	Wave energy convertor	Prof. Rehan Siddiqui	Product	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	MAHALA PIYUSH CHANDU						
	SHAIKH ABDUL AZIM						
	SAWANT VAJRESH PRADEEP						
18	THOKE PRATIK PRABHAKAR	Manual R & D Bind sealing mechanism	Prof Ashwini Gotmare	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	AHIRE RIDDHESH SANJAY						
	ARYAN SURENDRAN KUMAR						
	SUMER KAMBLE						
19	VIKRANT PRAKASH DUNDALE	Remote Controlled Mini Forklift	Prof. R. Y. Kurane	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	GAURAV RAJU GAWADE						
	VENKATESH MAROTI KANOLE						
	ANKIT ASHOK CHOUKEKAR						

20	RUTURAJ JADHAV	Regenerative Braking system	Prof. R. Y. Kurane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	FAISAL MAKARANI						
	SAHIL AMERKAR						
	GAVIT ROHIT						
21	SANAULLAH ANSARI	Design and Fabrication of E-recumbent cycle	Prof. N. B. Shahapure	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	VARAD BANDIWADEKAR						
	TEJASHREE BENDALE						
	AAMIR MAKTABAY						
22	ANKIT THAKUR	Improvement of laser machine using OEE	Prof. N. B. Shahapure	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	JANMESH DALVI						
	DEEP MALI						
	ADITYA SANKHE						
23	RATHOD GAURANG VINOD	Prototype of furling wind turbine	Prof. N. N. Bhostekar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	VERNEKAR VEDANT VISHWAJIT						
	POTUL SUDARSHAN RAMKISHAN						
	BAKHDA SHREYA HIREN						
24	JADHAV PUSHKAR SANTOSH	Prototype design and fabrication of automatic waste classifier	Prof. N. N. Bhostekar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	MISHRA AMBUJ BRIJESH						
	PRATHAMESH SANJAY MAINKAR						
	SHIKALGAR WASIM FIROZ						
25	HARSH MHASKAR	Design, analysis and development of Exoskeleton based Bionic chair	Prof. Mukund Valse	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SANKET KADAM						
	AJINKYA KADAM						
	RAJ SALEKAR						
26	PRITHVIJ KAKADE	Braking System plausibility device	Prof. Mukund Valse	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	OMKAR SAPKAL						
	AMAN TRIVEDI						
	ALISHA VINERKAR						
27	PATIL TANVESH NITIN	Investigation of challenges in implementing LSS in assembly of EV	Prof. Nitin Panaskar	Review	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PRADNESH MOKAL						
	ANIRUDDH BHAI PAWAR						
	JADHAV SIDDHESH MERSING						
28	SAURABH SANTOSH SHIRSIKAR	Green and sustainable supply chain design	Prof. Nitin Panaskar	Review	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SHUBHAM SHAMRAO SHINTRE						
	ABDUL MAARIJ ARIF MOMIN						
	VARAD KUMBHAR						
29	YASH KARANDEKAR	Design and Implementation of HVAC system	Prof. N. K. Deshmukh	Product	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PO12	PSO1, PSO2
	UTSAV JAISWAL						
	NIKHIL THOSAR						
	BHUSHAN KOKATE						
30	ONKAR SUDRIK	Creating dashboard of SCM using power BI	Dr. Y. P. Deshmukh	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	JAY SAVALE						
	HARSHAL YEOLE						
	KAUSHAL BHARAMBE						
31	SAYYAD AIYAZ HUSSAIN	AI based automatic solar tracking	Prof. R. R. Gujar	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	TUSHAR HINWAR PRAMOD						
	MOHAMMED WAJEED HAMDULE						
	CHIRAG KHADUCHA						
32	KISHORE SHAJI	Design and optimisation of Automatic drone	Prof. R. R. Gujar	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SIDDHESH DESHMUKH						
	VAIBHAV KELKAR						
	NEHA PATNE						
33	SHRAVAN BANGERA	Surface water trash collecting bot	Prof Chetan Rane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	ADITYA GUPTA						
	KUNAL KAMTEKAR						
	CHAITANYA DIWADKAR						

34	MITESH S. BHANGARE	E-Recumbant cycle	Prof Chetan Rane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	TANVI S. GAIKWAD						
	DISHANT GAWANE						
	SONALI KHAMKAR						
35	OMKAR KEER	Numerical investigation of thermal hydraulic performance in ribbed channel	Prof. Parmeshwar Paul	Research	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	YASH JAIN						
36	JAYESH GHAGARE	Investigation of thermal hydraulic performance in ribbed channel	Prof. Parmeshwar Paul	Research	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	ABHIJIT MESTRI						
	VIVEK GOSWAMI						
	PRATHAMESH CHOUGULE						
37	SIDDIQUI MOHD SUFIYAN	Design and fabrication of Automobile lifting mechanism	Prof. Nikhil V. S	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	UMANG GOSAVI						
	DARSHAN RAIKAR						
	HITESH RAJPUT						
38	KAMBLE BHAVESH GANESH	Noise reduction of air compressor	Prof. Nikhil V. S	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	KUMAVAT TANMAY SANJAY						
	DIVTE SIDDESH MOHAN						
	DESLE RAJ RAVINDRA						
39	JAY SHETTY	Arduino 2 D writing machine	Prof Ashwini Gotmare	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	JAGADALE SHUBHAM NARAYAN						