

MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
 (Permanently Affiliated to University of Mumbai)
DEPARTMENT OF MECHANICAL ENGINEERING
PROJECT-I & II (2020-2021)

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.	Name	Project Title	Name of Project Guide	Project Category	Project Domain	PO Mapping	PSO Mapping
1	SHINDE ROHAN MADHUKAR MANISHA	Beash Cleaner	Prof. P. M. Deshmukh	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SHIMPI HARSH SHIVAJI VAISHALI						
	KUMBHAR FALGUNI SUNIL MANDA						
	DHATRAK ASHWINI BALU MANJU						
2	BARIA KSHITIJ BHAVYESH DIVYA	Application of kers in bicycle	Prof. S.D. Gaikwad	Application	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	CHOUGULE MAYUR HARIBA NANDATAI						
	CHOUDHARY RAHUL MADAN SAVITA						
	CHIKHALE SAHIL SATYAJIT						
3	GHONGADE JAY SANJAY RAJKANYA	Analysis on Aerodynamic design and Performance of Bladeless Fan	Prof. R.R. Gujar	Research	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	RAWATE TEJAS SAMPAT PRIYA						
	BHATTACHARJEE ARNAB SUSHMITA						
	KANDPAL HIMANSHU DEVAKINANDAN						
4	THAKARE ALISHA SANGRAM SAYLI	Integrated Rapid Prototyping: Efficient Development of Custom Orthotics'	Prof. A. L. Mangrulkar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	YELVE NEHA RAJAN SUSHAMA						
	TAMBE PRITAM ANAND APARNA						
	SHENDGE AMEYA NITIN MANISHA						
5	FARGOSE BLAIR WILLIAM LALITA	Pedal operated washing machine using four bar crank mechanisam	Prof. S. D Gaikwad	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	DHUMAL MANAS SAMIR RATNA						
	KHANVILKAR CHINMAY SANDIP SNEHA						
	RAORANE MIHIR MADHUSUDAN MANSI						
	BIDAYE PRATHAMESH SUBHASH						

6	SANGHANI PRITISH SANJAY NAMRATA	Design, analysis, and Prototype development of Ornothopter (Garuda)	Dr. S.U. Bokade	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	KEKANE PRADNYA DINKAR ANJANA						
	SATAN AAKASH SUNIL SUSHMA						
	SALUNKHE ABHISHEK PRAKASH						
7	KONDAGULI SPURTI NEELKANTHAPPA	Design Simulation & Optimization of MEMS devices	Prof V.B Sawant	Research	Design	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	MISTRY JAY SURESH VEENA						
	MORE RAHUL SANJAY SUPRIYA						
	PATIL GAURAV ANIL PRATIMA						
8	KANADE YOGESH BALKRISHNA LAXMI	IOT based autonomous wheel chair	Prof. R.M. Siddique	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PAWAR SIDDHANT NILESH VINANTA						
	SINGH HEMANT BRIJPAL POONAMLATA						
9	MAYEKAR SHIVANI DATTARAM	Battery Management System Using Markov Chain	Dr. A.G. Londhekar	Product	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PAWAR OM JITENDRA SAVITA						
	DIGHE SAKSHI ANIL MANISHA						
	NEVREKAR ANKEETA DEEPAK						
10	PUTHUKATTIL RAHUL MAHESH	Advanced two storey parking system	Prof. R.M. Siddiqui	Application	Design	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SHAIKH RAHEELA RIYAZ AMIRUNNISA						
	SAWANT OMKAR MANGESH						
11	MAKWANA VIVEK RAJESHBHAI ANITA	Multipurpose Agro Vehicle	Prof. P.R. Potdar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PARMAR JAY CHETAN JYOTSNA						
	KORDE KETAN SUNIL SUKESHANI						
	SHAH URVI PANKAJ BHAVANA						
12	DHUM JAGDISH SANDESH BHAGYASHRI	Fabrication of Pipe Inspection Robot	Prof. V.B.Sawant	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	JADHAV MAYUR RAJENDRA						
	SANCHETI ASHISH RAVIKUMAR PADMA						
	MAHORE RUSHIKESH RAMRAO						
13	VANJARE SIDDHESH VISHNU VEENA	Design and fabrication of pneumatic shearing and bending machine	Dr. R.V.Kale	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	GODE NIKHIL RANGNATH PALLAVI						
	VAJE ROHIT MANOHAR MADHAVI						
	TERVANKAR PRAVIN CHANDRAKANT						
14	YADAV SURAJ RAJESH REETADEVI	Pick And Place Vacuum End Effector	Prof. N.B.Shahapure	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	YADAV NITESH ANAND RAMADEVI						
	VESAVKAR KEVIN LALIT POONAM						
	YADAV RAHUL MOHANLAL AWADRANI						
15	DESHMUKH AKSHAY VIRAJ KAVITA	Water Purification Using Solar Energy	Prof. K.M. Chaudhary	Application	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	ADAWADE PRATHAMESH PRAKASH						
	BAGAL SANMEET SANJAY ASMITA						
	MANE PRATHAMESH DATTATRAY						
16	BATAVIA RAUNAK MANOJ NITA	IOT BASED BIAXIAL SOLAR TRACKING SYSTEM	Prof. A.L.Mangrulkar	Application	Design	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	DEVGANIA NAITIK SURESH GEETA						
	MAURYA NIKHIL PHOOLCHAND REETA						
	MAHIMKAR SMITESH SANJEEV						
	WANI ABHISHEK NITIN SANGITA						

17	SHAIKH MUSHARRAF RAYEES AHMAD	Design of Automatic Brake Failure Detection system	Prof. A.V. Gotmare	Application	Design	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SHEWALE VINAY MADHUKAR SUPRIYA						
	SOLANKI BHAVESH SHIVLAL PUSHPA						
	THORAT SAI JITENDRA SHEETAL						
18	KANTALE ANIKET YASHWANT ANITA	Design and Fabrication of Automatic filling machine	Prof. K.M. Chaudhary	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	MORE OMKAR MARUTI BHARATI						
	MAGARE RITU RAMCHANDRA						
19	PRAJAPATI AJIT LALSAHEB ANITA	Design and fabrication of Fruit pulper	Prof. R.Y. Kurane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PRAJAPATI SUNNY MANOJ REETA						
	PITLEWAR DEVRAJ SUNIL						
20	SANKHE NIKHIL NILESH NIKITA	Monitoring and Vibrations Control for Cold Rolling Mills	Prof. M.R. Valse	Research	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SARFARE ANKIT SUMEDH SHWETA						
	SATHE SHUBHAM SHANKAR SHARAYU						
	PAWAR SHWETA MAHESH MANSI						
21	SHAH PARTH PARAS PINKI	Design and fabrication of pandemic ventilator	Prof A.V.Gotmare	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SAWANT SAHIL SHAHAJIRAO SHARDA						
	SHELAR HARSHAL MANOHAR						
	RATHOD SUMIT ZUMBAR SUMAN						
22	MEHTA PALLAVI RAJENDRA SUDHA	Design and Optimization of a Triple swirler in Jet engine	Dr. R.V.Kale	Research	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PARAB SOHAM RAMCHANDRA JANKI						
	PATEL PRAGNESH RAJESH POOJA						
	PATIL KARTIK MADHUKAR ASHA						
23	BHAT YASH RAMAKRISHNA SMITA	Design and of Simulation of Efficient Tractive system of Electric vehicle	Prof. N.N. Bhostekar	Research	Design & Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	KHAIRNAR DHANASHREE GOPAL						
	MANE SWAPNIL SURESH VANDANA						
	RAVAL TIRTH MANISHKUMAR DHRUVA						
	HUBLIKAR MALHARDUTT						
24	KASMANI AADIL ANIS YASMIN	Pneumatically Controlled Ramming Machine	Prof. Nikhil .V.S	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	DWIVEDI SHUBHAM						
	KOUNDER ROSHAN ARUMUGAM						
	MALIK MOHAMMED NOMAAN						
25	SUTHAR KIRAN BHANWARLAL REKHA	Dual Speed Semi-Automatic Power Hacksaw Machine Using Withworth Quick Return Mechanis	Prof. C.R. Rane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	KAKADE RAJENDRA NANA MANISHA						
	AWATE TEJAS PANDURANG RANJANA						
	WADKE AMOGH SUBODH NAYANA						
26	BORADE TRUPTI BALASAHEB	Transtibial Prosthetic Leg	Prof. P. M. Deshmukh	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	ABHANG BHAVESH EKNATH SHARDA						
	BHAVSAR TANMAY ANILKUMAR NEETA						
	PHATARPEKAR MOHIT NILESH						
	NIRANJANE SIMONY MAHENDRA						
27	DOSHI NIMEET MANISH RIKTA	Design and Fabrication of Automatic Screen Printing Machine	Prof. N.J. Panaskar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	CHATURVEDI YASH SANJAY SARITA						
	VYAS PAAVAN AKSHAY AMI						

28	REGE CHINMAY GIRISH MITA	Foldable E-Tricyc bag	Prof.R.Y.Kurane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	RANE SIDDHESH SANJAY SANJANA						
	SALUNKE SWARANG DILIPKUMAR						
	PATIL SIDDHI JITENDRA RACHANA						
29	GUDUR PRASHANT PRABHAKAR	DESIGN, FABRICATION AND TESTING OF SILENCER	Prof. M.R. Valse	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PALKAR PRANAV PRAKASH PRANALI						
	RAUT MOHNISH KIRAN KANCHAN						
	PATIL NIKITA KISHOR SNEHAL						
30	MANDAL ANIRUDHA ARUP RINA	Development of Experimental Setup to use Krypton Gas in Ion Thrusters	Prof. P.R. Potdar	Application	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	MHATRE DEVAM ATUL ADITI						
	MANAPURE MUKUL VIJAY SHALU						
	KADAM ABHISHEK RAJENDRA						
31	MAHADIK ANIKET ANIL ANAGHA	Design and Fabrication of Motorised Car Scissor jack	Prof. N.N. Bhostekar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	MAHAJAN HARSHAL RAVINDRA						
	GHOLAP ARTI						
32	MIRASHI TUSHAR TATURAM	An Analytical Investigation of Purification and Quantification for Exhaust Gases Emissions	Prof. N.B.Shahapure	Research	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	MUKADAM BHOOMI HEMANT SHEFALI						
	PHALE SAHIL SUNIL SUNITA						
	PIKHAN SOURAV ROMESH PAUL						
33	DHANDE PRATIK HEMRAJ ANITA	Experimental & Numerical Analysis of Honeycomb Structure Sandwich Panel Under Compressive Load	Prof. P.R. Paul	Research	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	FIRAKE TANMAY CHANDRAKANT						
	JADHAV GITESH KRISHNA MANISHA						
	DHERANGE SHUBHAM ARVIND SEEMA						
34	HEDAU RAJ SUNIL KALPANA	automatic storage and retrieval system	Prof. Nikhil .V.S	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	KAMBLE SHUBHAM DATTARAM						
	KARALKAR AKASH TUKARAM ARATI						
	KHAN SUFYAN BADRUDDIN SAFIA						
35	JOGANI JAY	Experimental Analysis Of Carbon Nano Tubes in CI Engine	Dr. A.G. Londhekar	Research	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SHARMA SAHIL						
	PATEL MAYANK						
	GAVIT ROHIT DILIP MURMA						
36	SHIRKE MANAS MAHENDRA MANSI	Simulation of Self Driving Car Using Machine Learning	Prof. N.K. Deshmukh	Application	Design	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SHAHANE SAURABH						
	TOPIWALA GANESH SHAILEN ARTI						
	SHRIVATSA CHANDRASHEKHAR						
37	BHADARGE ROSHAN DHANAJI NANDA	Design and Fabrication of Wheelchair using Rocker Bogie Mechanism	Prof. P.R. Paul	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	IDRISI RAHIL RUSTAM FARIDA						
	KHAN MAROOF YUSUF AKTHARI						
	SHINDE AKSHAY SUNIL AARATI						
	SANGANI SHUBH HEMAL JASMINA						