

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

PROJECT-I & II (2019-2020)

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	Internal Examiner	Project Category	Project Domain	PO Mapping	PSO Mapping
1	MASTAKAR PRASAD	Design and optimization of mould for injection moulding	Prof. A. L. Mangrulkar	Research	Design	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SAWANT CHAITANYA						
	MHATRE RUSHIKESH						
	BIJOLI IMRAN ASLAM						
2	SHINDE ADARSH ANILKUMAR	Design analysis and prototype development of injection molding	Prof. A.L. Mangrulkar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SUTAR NISHANT ASHOK						
	UBALE KAUSTUBH HARILAL						
	YEOLA SAURABH SUNIL						
3	KAZI AWAIS SAYEED	IOT enabled smart window for controlling brightness: A perspective of heat transfer rate	Prof. P.R. Potdar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	KULKARNI TEJAS GAJANAN						
	MUJUMDAR SUMEET SANTOSH						
	SHINDE NIKHIL RAJENDRA						

4	KANTAK ATHARVA AMAR	Cohesive zone modelling of crackinitiation and propogation in pipes	Prof. R.M. Siddiqui	Research	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	LOHIA SUMIT SIDDHARTH						
	BHANDARI JAINISH RAKESH						
	BHURKE SOHAM NITIN						
5	SAKARWALA BURHANUDDIN IBRAHIM	Sizing, design and modelling of chemical dosing skid	Prof. R.M. Siddiqui	Application	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	CHENNAPRAGADA VAMSIDATTA						
	REDKAR SUYASH PRAKASH						
	SAYYED SAIFULLAH IRFAN						
6	PARAB KANISHK PRAMOD	Design and fabrication of automatic drum cleaner	Prof. S.D. Gaikwad	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PAWAR KIRAN ABHAYSING						
	PHADKE NIKHIL PRADYOT						
	CHOWTA PAWAN NAGESH						
7	NANDGAONKAR SWAPNIL SHRIDHAR	Design, analysis and fabrication of transmission and suspension of FSAE vehicle	Prof. S.D. Gaikwad	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	REDKAR VEDANT PRASHANT						
	MORE DHAWAL ASHOK						
	SALEMA ZAID RIZWAN						
8	HADAWALE VISHAL SHANKAR	Design of exhaust muffler with nano fiber filter	Prof. A. V. Gotmare	Product	Design	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PATIL AMIT MANOHAR						
	POWAR KOMAL BHIMRAO						
	RATHOD HIMANSHU HIRAMAN						
9	RINAIT TILAK LAXMAN	Design and development of window evacuation system during fire accidents	Prof. A.V. Gotmare	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	WAGH KAMLESH ARUN						
	FURNITUREWALA ABBASALI RAZA RASHID						
	GHADGE ATUL SAMBHAJI						
10	GHOLAP ARATI VIJAY	Design and fabrication of oil revamp system using solar power	Prof. Nikhil V.S.	Application	Design and Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	AKHADE BHAVIKA SHANTARAM						
	DAMRE SHWETA GANGARAM						
11	DEVARE JAGRUTI YOGESH	Design and analysis of HVAC systems	Dr. R. V. Kale	Application	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SANKHE HIMANK SANTOSH						
	SANKHE SAYLI SURESH						
	SHAH ABHIJITH						
12	SHARMA YOGESH KOUSHAL	CFD analysis and optimization of condenser in AC system	Dr. K.M. Chaudhari	Research	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	KACHARE HARSHAL PANDURANG						
	KURRI OMKAR RAMESH						
	MALI NINAD DHANESH						
13	JAIN PARAG HAJARI	Design and optimisation of heat transfer in double helical concentric coil heat exchanger	Dr. K.M. Chaudhari	Research	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PILLAI SHIVANAND PARAMASHIVAM						
	SABLE VISHAKHA DNYANESHWAR						
	BHALERAO ASHUTOSH VIJAY						
	JAIN SACHIN DHARMCHAND						

14	SUVARNA AAKASH LEELADHAR	Design and manufacturing of Ornithopter	Prof. N.K. Deshmukh	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	TAMBADKAR KSHITIJA PRAKASH						
	TOMAR ABHIJEET						
	CHAVAN SHREYA TUSHAR						
15	JOSHI NEHA GANGADHAR	Intelligent baraking system using engine exhaust gas	Dr. A.G. Londhekar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	GHATKAR TEJASHREE SUNIL						
	GOSAVI KALPESH DNYANESHWAR						
	JADHAV KOMAL YASHWANT						
16	BHADARKA RAHUL RAMESH	To improve the performance of disel engine using additive	Dr. A.G. Londhekar	Research	Thermal and Fluids	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	BHOYE PRAMOD (Drop)						
	JOGANI JAY (Drop)						
	SHELAR MAYURESH						
17	SHEDAGE AMIT RAVINDRA	Paper bag making machine	Prof. M. R. Valse	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SINGH ANUP SHATRUJEET						
	TODANKAR SWARAJ VIKAS						
	VHAVALE PANKAJ SANJAY						
18	GHALOT AYUR JITENDRA	Reciprocating pump using rever force with HHO dry cell	Prof. M. R. Valse	Application	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	GUPTA SOMIL SANJAY						
	HAJARE SAURABH SANDEEP						
	JADHAO PRATHAMESH GANESH						
19	KHARE PRAVIN MAHENDRA	Design and fabrication of multipurpose pestisides sprinkler and fertilizer sprader machine	Prof. P.R Paul	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	BHOIR CHIRAG PRADEEP						
	CHACHARE AKSHAY DNYANESHWAR						
	DAVANDE TEJAS VIJAY						
20	PAI HRISHIKESH PANDURANG	Design and fabrication of bar feeding and clamping mechanism	Prof. R.Y. Kurane	Application	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PAREKH NIRAJ JAYANTILAL						
	PAWAR RAJKUMAR SAHEBRAO						
	PHAPALE RUTUJA ANANDA						
21	PATIL ONKAR RAJENDRA	Arduino based floor cleaning robot	Prof. N.N. Bhostekar	Product	Mechatronics and Robotics	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	RAUT SOURABH VIJAY						
	SAHU SANJAY DILCHANDRA						
	PINGALE PRASHANT ASHOK						
22	KHAN AKBAR AFSAR	Analysing the effect of process parameter to improve quality of friction stir welded join	Prof. N. J. Panaskar	Research	Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PATIL JAY PRADIP						
	DAGLE AKASH KALU						
	CHAUHAN RAHUL RAMKUMAR						
23	SHARMA DURGESHKUMAR GANESH	Design and development of vendor cart umbrella for maximum protection from rain	Prof. N. J. Panaskar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	SHARMA PRERNA YOGENDRA						
	WANI PRIYANKA BIJU						
	SHAIKH AKIF JAKIR						
	SHELKE AKASH PRAKASH						

24	MALE NINAD MAHENDRA	Pneumatic clamping system	Prof. R.Y. Kurane/ Prof. D.S. Pandey	Application	Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	MARUCHA TANVEET KESHAV						
	MULLAJI PARTH CHITRESH						
	SHAH PRERIT						
25	MASURKAR ISHAN MAHESH	Analysis of friction stir welding and optimization of its process parameters	Dr. S.U. Bokade	Research	Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	JADHAV VARUN RAJENDRA						
	JAGTAP RUTUJ RAJENDRA						
26	AGRAWAL AKHILESH SANJAY	Designing and prototyping of automated ceiling fan cleaning system	Prof. N. B. Shahapure	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	AGRAWAL RONAK ANIL						
	ALDAR ROHAN PANDHARINATH						
	BOKKA HARISH TATARAO						
27	PADMANABHAN ATHARVA	Design and development of semi automated beach cleaning robot	Prof. C. R. Rane	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PATEL MAYANK (Drop)						
	RANADE SHRADDHA MADHUKAR						
	TARLE SHRUTI SANJAY						
28	MANDARKAR SARIKA ASHOK	Automatic solar grass cutter	Prof. C. R. Rane/ Prof. D. S. Pandey	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	NAIK JAGRUTI ANKUSH						
	BHARAMBE DAMINI NITIN						
	DAMANKAR SAKSHI UDAY						
29	NAWALE PRANAV BALASAHEB	Numerical validation and MADM optimization of various geometro of MEMS devices	Prof. V. B. Sawant	Research	Thermal and Fluids	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PANDEY ARUN BALRAM						
	PATIL ROHAN RAJENDRA						
	PATIL SHUBHAM SUNIL						
30	GAIKWAD SHUBHAM	Condition monitoring of mechanical components using acoustic signals	Prof. V.B. Sawant	Application	Mechatronics and Robotics	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	QURESHI AKRAM FAZAL						
	BHADANE ANEEKET						
31	KADAM PRATHAMESH PRAKASH	Autonomous production line Robot	Prof. P.M. Deshmukh	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	KHAN MOHAMMAD JAVED MOHD.NASIM						
	KOUL SATYAM RAVINDER						
	KUMBHAR SUMIT KRISHNA						
32	PATHAVE RESHAMA LAXMAN	Design and fabrication of modular mechatronics laboratory kit	Prof. P.M. Deshmukh	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	THAKUR UTKARSHA SANJAY						
	VENGURLEKAR PRASAD SHRIDHAR						
	YADAV PRATHMESH BHUPESH						
33	PHAPALE HRISHIKESH KHANDU	Design and manufacturing of V8 engine	Prof. R.R.Gujar	Product	Design & Manufacturing	PO1, PO2, PO3, PO4,PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2
	PUJARI NIRMAY NIREN						
	SAINI PANKAJ SHIVKUMAR						
	SALVE RAHUL ADESH						